



**REGULAR CITY COUNCIL MEETING
MONDAY, JANUARY 22, 2024
5:30 PM**

1. Pledge of Allegiance

2. Call to Order

3. Approve Agenda

4. Approval of Minutes

4.1. City Council - Regular Meeting - January 8, 2024 - 5:30 PM

5. Public Input

6. Consent Agenda

6.1. Accounts Payable To Be Paid Proof List thru December 22, 2023

6.2. Financial Reports December 2023

6.3. Resolution No. 91-23/24 Mayor's Reappointment of David Volz to the Pekin Housing Authority Board to a term until January 14, 2029

6.4. Ordinance No. 4143-23/24 Site Plan Approval at 3312 S. Veterans Dr. with PIN# 11-11-07-400-035

6.5. Ordinance No. 4144-23/24 A Special Use request submitted by O'Rourke Enterprises, LLC for 1327 Executive Ct

6.6. Ordinance No. 4145-23/24 Approving a Variance for the Property Located at 2104 Lafayette Ave.

7. New Business

7.1. Ordinance No. 4146-23/24 Approving and Authorizing the Execution of a Third Amendment to the Tax Increment Financing (TIF) District and Business Development District Redevelopment Agreement by and between the City of Pekin, East Court Village LLC, and East Court Village II LLC

7.2. Ordinance No. 4147-23/24 Amending the City Code, Chapter 2 Governance and Organizational Structure, Article 6 Board, Commissions and Committees, creating the Economic Development Advisory Committee

7.3. Ordinance No. 4148-23/24 Amending the City Code, Chapter 2 Governance and

Organizational Structure, Article 6 Boards, Commissions and Committees, Modifying the Provisions Governing Boards, Commissions and Committees

- 7.4. Ordinance No. 4149-23/24 An Ordinance Annexing the Property known as Gamblewood Farms to the City of Pekin
- 7.5. Resolution No. 92-23/24 adopting the 2023 Tazewell County Multi-Jurisdictional Multi-Hazard Mitigation Plan
- 7.6. Resolution No. 93-23/24 Approval for Airport T- Hanger Construction Overage due to Unsuitable Soil Conditions
- 7.7. Resolution No. 94-23/24 Adopting Amendment to Court Street Engineering Design Agreement with Hanson
- 7.8. Ordinance No. 4150-23/24 Approve Acquisition of Stadium Drive Easements & Right of Way from Pekin High School for Multi-Use Path
- 7.9. Ordinance No. 4151-23/24 Approve Stadium Drive Easements from Pekin Park District for Multi-Use Path

8. Any Other Business To Come Before The Council

- 8.1. Solid Waste & Sewer Budget Presentation
- 8.2. Utility Billing Presentation

9. Executive Session 5 ILCS 120/2 (c)

10. Adjourn

**PROCEEDINGS OF THE REGULAR MEETING
OF THE CITY COUNCIL OF THE CITY OF PEKIN, ILLINOIS,
HELD IN THE COUNCIL CHAMBERS OF CITY HALL
111 S. CAPITOL ST
ON MONDAY, JANUARY 8, 2024 AT 5:30 PM
MAYOR MARY J. BURRESS PRESIDING**

Pledge of Allegiance Led by Women of the Moose Chapter 673 Pekin, Illinois

The Pledge of Allegiance was led by Women of the Moose Chapter 673 Pekin, Illinois. Women of the Moose presented a check in the amount of \$1,006.94 to Carole's House of Hope as a result of their fundraiser dedicated to the future of Pekin. Carol Merna, Chief Executive Officer of the Center for Prevention of Abuse, thanked the Women of the Moose for their donation.

Call to Order

City Clerk, Ms. Sue McMillan, confirmed all Council Members were physically present and logged in.

Attendee Name	Organization	Title	Status	Arrived
Rick Hilst	City of Pekin	Council Member	Present	5:30 PM
Karen Hohimer	City of Pekin	Council Member	Present	5:30 PM
Dave Nutter	City of Pekin	Mayor Pro Tem	Present	5:30 PM
Becky Cloyd	City of Pekin	Council Member	Present	5:30 PM
Mary Burress	City of Pekin	Mayor	Present	5:30 PM
Lloyd Orrick	City of Pekin	Council Member	Present	5:30 PM
John P Abel	City of Pekin	Council Member	Present	5:30 PM

Approve Agenda

RESULT:	PASSED (UNANIMOUS)
MOVER:	Council Member Karen Hohimer
SECONDER:	1st Alternate Mayor Pro Tem John Abel
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Hilst, Council Member Orrick, Council Member Hohimer

New Business

4.1. Resolution No. 84-23/24 Appointment of Fred Christopher Onken to fill a vacancy in the office of City Council Member

RESULT:	PASSED (5-0-1)
MOVER:	Council Member Karen Hohimer
SECONDER:	1st Alternate Mayor Pro Tem John Abel
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Orrick, Council Member Hohimer

ABSTAIN: Council Member Hilst

Oath of Office

City Clerk Sue McMillan conducted the Oath of Office and swore in Fred Christopher Onken as Council Member. Council Member Onken took his seat on the Dias.

Approval of Minutes

RESULT:	PASSED (6-0-1)
MOVER:	Council Member Karen Hohimer
SECONDER:	Mayor Pro-Tem Dave Nutter
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Hilst, Council Member Orrick, Council Member Hohimer
NAYS:	None
ABSTAIN:	Council Member Onken

6.1. City Council - Regular Meeting - December 11, 2023 - 5:30 PM

6.2. City Council - Special Meeting - December 27, 2023 - 8:00 AM

Public Input

Matthew Johnson raised a challenge regarding generating revenue ideas for the city's future. He proposed three potential avenues for revenue. Firstly, he suggested reopening Memorial Stadium to the public, which was previously available for activities like running and stair climbing. To generate revenue, he proposed installing turnstiles and RFID tag readers, selling seasonal passes at a rate of \$25 per month or \$200 per year. Mr. Johnson believed that citizens would be interested in such an offer. Secondly, he discussed the city's recent acquisition of property on Route 98 to extend Veteran's Drive. He suggested that instead of demolishing a home on the acquired property, the city could sell it for a quick profit, as the home was not in the right of way. The third point raised by Mr. Johnson involved the liquor code and the restriction on gas stations selling alcohol. He mentioned the interest from companies like Casey's or Thornton's to build a facility on Veteran's and Broadway. He advised caution and recommended obtaining a letter of intent from the businesses before moving forward. Additionally, he proposed selling a property to the Center of Prevention and Abuse at fair market value, expressing concern about selling it for \$1 and not generating real estate taxes. In closing, Mr. Johnson urged the Council to be good stewards during the upcoming budget season, paying close attention to luxury items. He congratulated the new council member and expressed gratitude to Mayor Burress for the opportunity to be considered.

Ted Golden addressed several points. Firstly, he discussed the property being sold and raised concerns about the site investigation not including lot lines in the site plan. He emphasized the importance of considering lot lines in relation to a federal ADA lawsuit and suggested that if the site investigation doesn't include this, the process should not move forward. Mr. Golden then turned his attention to the demolition of 827 Catherine, expressing uncertainty about the inclusion of attachment details in the agenda packet, particularly regarding slopes. He sought clarification on whether the attached sketch indicated that there would be no need for returned curbs after leveling the lot.

Moving on to the Pekin bicycle plan, Mr. Golden questioned how thoroughly the Council had reviewed the document. He highlighted maintenance costs as a key concern, citing a specific sidewalk on Highwood covered in mud for two years. He inquired about measures to prevent mud from washing onto the sidewalk. Mr. Golden also raised questions about specific items in the bike plan, including the installation of sidewalks and the completion of sidewalks in areas like cul-de-sacs.

He sought clarification on the requirements for a pool project that had variances and expressed concerns about sidewalk gaps and discontinuations. Additionally, Mr. Golden brought up issues with bike trail crossings, requesting attention to areas that were deemed awful and in need of improvement. He delved into the topic of traffic-calming measures, referencing the need for speed humps and drawing a comparison with Grandview Drive in Peoria. He questioned whether businesses were notified about snow removal responsibilities and highlighted the need for preventative measures, such as putting straw down on Derby to prevent muddy conditions. Council Member Hilst inquired about the source of mud on Sunset Hills, and Mr. Golden provided details about the specific property at 1823 and shared information about ADA training conducted by the Great Lakes ADA Center, including concerns about tripping hazards related to returned curbs.

Zoe Carter, a longtime resident of Pekin, expressed her connection to the city, with her family having lived there for 198 years. While she was not initially involved in city matters, she has become more engaged over time. Ms. Carter acknowledged the positive aspects of the city but also voiced concerns about what she perceives as childish games within the council and government. She congratulated Council Member Onken and expressed hope for effective leadership and direction for the city.

Consent Agenda

RESULT:	PASSED (UNANIMOUS)
MOVER:	Mayor Pro-Tem Dave Nutter
SECONDER:	Council Member Karen Hohimer
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Hilst, Council Member Orrick, Council Member Hohimer, Council Member Onken

Council Member Hilst requested Consent Agenda Item No. 8.1 Accounts Payable To Be Paid Proof List thru December 8, 2023 be moved to New Business.

- 8.2. Financial Reports November 2023**
- 8.3. Pekin Fire Department Monthly Incidents Report December 2023**
- 8.4. Ordinance No. 4138-23/24 A Special Use request submitted by Sean Rogers for the Operation of an Automobile Repair/Sales Business at 209 Derby Street**
- 8.5. Resolution No. 85-23/24 Mayor's Appointment of Shawn Powers to fill the unexpired term of Dori Smith to the Tourism Committee as member of the Pekin Park District for a term until the first Monday in May 2025**

Unfinished Business

- 9.1. Ordinance No. 4133-23/24 Amending Chapter 5, Article II, Division 4, Section 6-3 of the City Code to Limit the Number of Establishments Licensed to Operate Video Gaming Terminals**

RESULT:	FAILED (0 TO 7)
MOVER:	Mayor Pro-Tem Dave Nutter
SECONDER:	1st Alternate Mayor Pro Tem John Abel
AYES:	None

NAYS:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Hilst, Council Member Orrick, Council Member Hohimer, Council Member Onken
--------------	--

City Manager, Mr. John Dossey addressed Ordinance No. 4133-23/24, which involved amending the City Code to limit the number of establishments licensed to operate video gaming terminals. Mr. Dossey mentioned that this item was previously discussed in November, and the Council had tabled it for further investigation. He noted that, based on discussions with Council Member Hohimer, there was a decision to no longer proceed with the ordinance.

New Business

10.1. Ordinance No. 4139-23/24 An Ordinance Approving and Authorizing the Execution of a First Amendment to the Tax Increment Financing (TIF) District Redevelopment Agreement by and Between the City of Pekin and The Center for Prevention of Abuse

RESULT:	PASSED (6 TO 1)
MOVER:	Mayor Pro-Tem Dave Nutter
SECONDER:	Council Member Lloyd Orrick
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Orrick, Council Member Hohimer, Council Member Onken
NAYS:	Council Member Hilst

City Manager, Mr. John Dossey discussed Ordinance No. 4139-23/24, which involved approving a First Amendment to the Tax Increment Financing (TIF) District Redevelopment Agreement between the City of Pekin and The Center for Prevention of Abuse. Mr. Dossey explained that the original agreement, dated June 13, 2022, aimed to provide reimbursement for TIF-eligible costs on a property at 121 South 2nd Street. However, delays in the project prevented the sale of the property, causing the agreement to expire. Mr. Dossey proposed extending the agreement for completion and eligibility for reimbursement, with a provision to return the property to the city if the project fails, capped at \$10,000.

Council Member Hilst raised concerns about amending an expired agreement and inquired about the presence of a site plan.

Chief Building Official, Mr. Nic Maquet, mentioned that there was no site plan at this time and clarified that the original agreement was contingent on the purchase of the property. Carol Merna, representing The Center for Prevention of Abuse, explained that site control was now established, and Council Member Hilst questioned if the T-shirt house received a letter from the city about the proposal. Mr. Maquet clarified that no letter was sent to the T-shirt house for this agreement.

Council Member Orrick inquired about the timing of TIF money distribution, and Mr. Maquet explained that reimbursement would occur once costs were incurred, with the submission of bills, paid invoices, and canceled checks.

Council Member Nutter sought clarification on the financial impact, and Finance Consultant, Mr. Bob Grogan confirmed that there would be no change, as the budgeted amount was \$10,000, resulting in a net impact of \$0.

10.2. Ordinance No. 4140-23/24 An Ordinance Approving and Authorizing The Sale of Real Property Located at 121 South 2nd Street to The Center for Prevention of

Abuse (required 3/4 vote of Council)

RESULT:	PASSED (6 TO 1)
MOVER:	Council Member Lloyd Orrick
SECONDER:	Council Member Karen Hohimer
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Orrick, Council Member Hohimer, Council Member Onken
NAYS:	Council Member Hilst

City Manager, Mr. John Dossey, presented Ordinance No. 4140-23/24, which pertained to approving and authorizing the sale of real property located at 121 South 2nd Street to The Center for Prevention of Abuse. Mr. Dossey informed the Council that a request for proposals was issued, and the sole response was submitted by the Center for Prevention of Abuse. The details of the response and purchase agreement were included in the packet, and the proposed sale of the property was for \$1.

10.3. Ordinance No. 4141-23/24 An Ordinance Approving and Authorizing the Execution of a TIF District Redevelopment Agreement by and between the City of Pekin and Todd Erwin

RESULT:	PASSED (5-1-1)
MOVER:	Council Member Lloyd Orrick
SECONDER:	Council Member Karen Hohimer
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Orrick, Council Member Hohimer
NAYS:	Council Member Hilst
ABSTAIN:	Council Member Onken

City Manager Mr. John Dossey presented Ordinance No. 4141-23/24, which involved approving and authorizing the execution of a TIF District Redevelopment Agreement between the City of Pekin and Todd Erwin. Mr. Dossey provided background information on the approval of a TIF resolution on March 28, 2022, for the development of a property in the East residential TIF district to construct a new single-family home with up to \$40,000 in eligible expenses.

Council Member Orrick expressed concern about a specific provision on page 3 of 13. He noted that for a \$30,000 home in the TIF, with no home built on the property, lead to confusion and that the provision should be removed if no home was built. Economic Development Director, Mr. Josh Wray, clarified that the home was already built, and the purpose of the program was to reimburse tax increment, but if there's no home, there's no reimbursement. Council Member Orrick found this inconsistent and questioned if the document was prepared by Jacob and Klein, to which Mr. Wray confirmed.

Council Member Nutter raised concerns about future TIF reimbursements and asked about the guarantor of the spreadsheet to ensure timely payments. Mr. Wray explained that Jacob and Klein's services cover tracking reimbursements, and finance will also monitor and address it through audits.

Finance Consultant, Mr. Bob Grogan clarified that the reimbursement would be for land acquisition costs, and vertical construction costs were not included. Mr. Dossey emphasized that the property owner must request reimbursement, and the process involves multiple checks, including through Jacob and Klein.

10.4. Ordinance No. 4142-23/24 An Ordinance Approving and Authorizing the Execution of a TIF District Redevelopment Agreement by and between the City of Pekin and Heidi Edwards

RESULT:	PASSED (6 TO 1)
MOVER:	Council Member Lloyd Orrick
SECONDER:	None
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Orrick, Council Member Hohimer, Council Member Onken
NAYS:	Council Member Hilst

City Manager, Mr. John Dossey explained that on July 11, 2022, the council approved a TIF (Tax Increment Financing) inducement, an official declaration of intent to provide future TIF incentives to Heidi Edwards for the development of property at 170 South California Road in the East residential TIF District. The planned project involves constructing a new single-family home with a total investment of \$2,155,000 in TIF eligible expenses.

According to the existing incentive policy, the total incentive given from the fund will be up to \$70,000 in property tax increment rebates over a period not to exceed 10 years. The actual incentive provided will be based on the eligible expenses incurred and the new property assessment after the completion of the project.

Council Member Orrick confirmed that the property was on a septic.

10.5. Resolution No. 86-23/24 Adopting a Bicycle & Pedestrian Plan

RESULT:	PASSED (UNANIMOUS)
MOVER:	Council Member Rick Hilst
SECONDER:	1st Alternate Mayor Pro Tem John Abel
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Hilst, Council Member Orrick, Council Member Hohimer, Council Member Onken

City Manager Mr. John Dossey explained that the City of Pekin received a grant through the Tri-County Regional Planning to develop a Pedestrian and Bicycle Plan at no cost to the city. The Lochmueller Group was hired to create this plan, which is separate from the ADA transition plan. The focus of this plan is less on ADA compliance for existing sidewalks and more on future bicycle and pedestrian routes. The plan aims to be helpful when applying for future grants, and staff recommended the adoption of this plan.

City Engineer, Ms. Josie Esker introduced Kevin Miel from Lochmueller Group to provide a short power point presentation on the Pedestrian and Bicycle Plan.

Mr. Miel shared that the plan's vision is to make walking and biking safe, accessible, and convenient, connecting people to places, fostering development opportunities, supporting healthy living, and improving the quality of life. The plan includes goals and objectives focusing on safety, network design, policy, and programs.

The planning process involved community engagement, including a steering committee, public meetings, an online survey, and an online mapping tool. The Bicycle Network was highlighted, consisting of on-street bikeways and separated facilities, totaling over 65 miles. Spot improvements, such as crossing improvements, were also identified.

The Pedestrian Network included trails, side paths, and pedestrian priority corridors, focusing on arterial and collector roads. The plan identified Citywide improvements, programming opportunities, and prioritized physical recommendations into long-term, short-term, low priority, and opportunity improvements.

Mr. Miel emphasized the plan's flexibility and opportunities for incremental implementation. Early actions include short-term improvement projects, focusing on bicycle boulevards and improving the Pekin bike path. The plan envisions building incrementally and phasing in projects over time.

Overall, the plan aims to enhance the community's walking and biking environment, supporting various initiatives and creating a comprehensive network.

During the discussion on the Pedestrian and Bicycle Plan, Council Member Abel expressed concern about the fact that 35% of the streets in the city only have one sidewalk on each side. He suggested considering a requirement for new subdivisions to include two sidewalks on each side of the street. Council Member Hohimer raised a question about motorized bikes and whether there would be signage to prohibit them. City Manager Mr. Dossey explained that certain CC's of motorized bikes need to be licensed, and he didn't foresee a significant push for change. Council Member Onken sought clarification on the mention of "stadium," and City Engineer Esker explained that there is a multi-use path designed to enhance pedestrian safety connecting Court Street, Stadium Drive, and the existing path.

Council Member Nutter inquired about the progress of engineering by TMW and whether there are separate grants. Ms. Esker provided information that engineering plans have been submitted to IDOT, and there are indeed two separate grants involved.

Council Member Nutter emphasized that the plan doesn't impose financial responsibility on the city, and Ms. Esker confirmed that the plan is covered entirely by the grant, helping to foster long-term planning. Council Member Nutter also asked if the plan had been presented to the Park District, to which Ms. Esker mentioned that while the Park District is aware, they were involved in the process.

Council Member Abel shared his impression that the closure of the stadium was due to upgrades and expressed surprise that it would be closed indefinitely. Council Member Orrick inquired about Kevin Miel's background and learned about his experience in city and regional planning with a focus on biking. Council Member Orrick also sought clarification that adopting the plan doesn't obligate the city, expressing concerns about the current condition of the city's roads.

10.6. Resolution No. 87-23/24 Awarding Bid for Contract for a Demolition of Residential Structures at 827 Catherine Street with Wayne Litwiller Excavating LLC

RESULT:	PASSED (UNANIMOUS)
MOVER:	Council Member Rick Hilst
SECONDER:	Council Member Karen Hohimer
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Hilst, Council Member Orrick, Council Member Hohimer, Council Member Onken

City Manager Mr. John Dossey read the request, and Council Member Hohimer inquired about the ownership of the property.

Police Chief Seth Ranney explained that Morton Community Bank had turned the deed over to the city in October. Mr. Dossey provided context, mentioning that the property had been a problematic house involved in criminal activities, qualifying for assistance under the Community Development Block Grant (CDBG).

Council member Abel questioned the high price compared to others, and Mr. Maquet explained that the substantial size of the house and garage, along with necessary sidewalk work, contributed to the cost.

Council Member Nutter raised a point that once demolished, the property would belong to the city, which Mr. Dossey confirmed. Ms. Esker clarified that the involvement of sidewalks was due to a retaining wall, and she outlined plans to ensure compliance,

emphasizing the need to level and clean up the area. Council Member Nutter expressed support for the demolition as a positive step for the neighborhood. Council Member Orrick discussed an addendum related to sidewalk construction standards, commending its detail and adherence to IDOT (Illinois Department of Transportation) standards. Ms. Esker explained that they refer to IDOT specifications to maintain clarity and avoid excessive wording, with Council Member Orrick expressing satisfaction with the approach.

10.7. Resolution No. 88-23/24 Amending the 2023 Community Development Block Grant Program Annual Action Plan

RESULT:	PASSED (UNANIMOUS)
MOVER:	Council Member Rick Hilst
SECONDER:	Council Member Lloyd Orrick
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Hilst, Council Member Orrick, Council Member Hohimer, Council Member Onken

CDBG Program Manager Ms. Tina Hauk presented a request for council approval to submit the revision of the 2023 Annual Action Plan to HUD. The proposal sought the reallocation of \$75,000 from the public facilities line item to a new line item named Homeless Facilities. The purpose of these funds was to renovate the basement of an existing building into a day shelter for homeless individuals. The 30-day comment period for this proposal began on December 8, 2023 and concluded on January 8, 2024. Ms. Hauk provided a summary of the comments received, noting that there were nine speakers, with eight supporting the amendment and one opposing it. All comments were accepted. She invited questions from the council, and when asked about the amount, she confirmed it was \$75,000.

10.8. Resolution No. 89-23/24 Wastewater Treatment Plant Turbolex Blowers

RESULT:	PASSED (UNANIMOUS)
MOVER:	1st Alternate Mayor Pro Tem John Abel
SECONDER:	Council Member Karen Hohimer
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Hilst, Council Member Orrick, Council Member Hohimer, Council Member Onken

City Manager Mr. John Dossey presented the agenda item seeking approval for the 10-year service requirement of turbo blowers at the Wastewater Treatment Plant. These blowers play a vital role in the treatment plant process. Staff had obtained two quotes for the necessary maintenance. The first quote was \$18,956 to rebuild only one blower that was currently not working, and the second quote was \$55,853.40 to service all three blowers. The recommended service involved a complete rebuild of the blower components and controls, bringing all three blowers up to standard compliance. It was highlighted that Dryden Equipment, the original vendor, no longer provided this service, and the recommendation was to utilize Howden for the maintenance. Public Works Director Mr. Dean Schneider answered questions from the Council, explaining that the three blowers were meant to be set up in sequence to distribute usage. One blower had been down for quite some time and was in need of major repair. The Council discussed the cost of a new blower, and it was mentioned that the expense for the service would come out of the sludge removal line item due to it being an option not included in the budget.

10.9. Resolution No. 90-23/24 Approving GFL Recycling Agreement Extension

RESULT:	PASSED (4 TO 2)
MOVER:	1st Alternate Mayor Pro Tem John Abel
SECONDER:	Council Member Karen Hohimer
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Hohimer
NAYS:	Council Member Hilst, Council Member Orrick
ABSTAIN:	Council Member Onken

City Manager, Mr. Dossey explained that the original agreement with GFL, signed in December 2019, allowed for three years with options for one-year extensions. The proposed extension aims to align with the contracts for solid waste and leachate services, facilitating simultaneous negotiations. The agreement would also lock in tipping and recycling fees until May 2025.

During the discussion, Council Member Hilst raised concerns about the extended five months beyond the original agreement's terms.

City Attorney, Ms. Kate Swise, clarified that the extension involves amending the underlying agreement rather than exercising yearly extensions.

Council Members Nutter and Hilst expressed reservations about the overall benefits and costs of recycling, suggesting a thorough examination of expenses and potential alternatives.

Council Member Hilst stated he was not a supporter of the recycling program.

Council Member Orrick highlighted the need to make a collective decision on recycling during the upcoming contract negotiations, encompassing solid waste, leachate, and recycling services. The discussion touched upon issues such as the fluctuating costs of recycling and the perceived lack of revenue from recycling activities.

Council Member Nutter inquired about the revenue from recycling, pointing out the budgeted amount of \$288 and the cardboard credit.

Council Member Hilst echoed the need for a comprehensive review of the recycling program's financial aspects.

Mayor Burress emphasized the importance of addressing these concerns during the contract negotiations.

8.1. Accounts Payable To Be Paid Proof List thru December 8, 2023

Any Other Business To Come Before The Council

Council Member Hilst sought information about the receipt of three lease agreements from Cullinan. City Manager Mr. John Dossey responded, confirming that the city has seen the lease agreements, with one fully executed and the others under legal review. An amendment to the agreement is expected on the 22nd, and the construction timeline is not anticipated to be affected.

Council Member Hilst emphasized that the city only possesses one fully executed agreement, and this will be presented to the council for an amendment. Mr. Dossey acknowledged challenges with legal processes, expressing understanding of the complexity. Despite legal delays, he noted Cullinan's active investment in the project.

Council Member Hilst raised concerns about conflicting language in the contract, indicating potential disagreements.

Mr. Dossey then transitioned to the introduction of the new HR director, Shelly Costa, who began last week. He expressed confidence in Ms. Costa's experience and mentioned ongoing collaboration with the outgoing HR director, Joanna, until the 22nd.

11.1. Presentation - Fiscal Year 2025 Budget Police, Fire, Tourism

During the presentation on the Fiscal Year 2025 Budget for the Police Department,

Finance Consultant, Mr. Bob Grogan addressed IT expenses, emphasizing the transfer of software-related costs to departments with individual capabilities, such as the police department. He proposed the creation of a new department under the police chief for a social worker, aiming to enhance transparency in investigations.

The floor was then passed to Police Chief Seth Ranney, who presented the current financial pressures, including unfunded mandates for safety training and under performing revenue line items. Chief Ranney requested approval for a second social worker, citing the challenges of hiring qualified personnel in the current environment.

Chief Ranney discussed the difficulties in obtaining squad cars and the need for a proactive approach to address increasing equipment and vehicle costs. He highlighted the hiring of Misty, a social worker with specific training and expertise, and proposed a salary increase for hiring a second social worker. Chief Ranney addressed the delays in receiving squad cars, explaining that the manufacturer's production schedule impacts the timeline. Council Member Orrick raised concerns about the status of the agreement with Enterprise and questioned potential penalties for exceeding mileage limits.

Chief Ranney clarified that there is no mileage limit in the current program and elaborated on the challenges posed by the manufacturing process and delays in parts delivery. The discussion touched on the benefits of considering local vendors for repairs, with Council Member Hilst emphasizing the need for clear language in leases to avoid penalties associated with repairs.

Mr. Dossey and Council Member Hilst contributed to the discussion, highlighting the importance of exploring alternatives and addressing potential issues in future agreements. The presentation covered various aspects, including funding for the flock program, remodeling of bathrooms, and the proactive grants and partnerships valued by the police department.

Amy McCoy, the Executive Director of the Pekin Area Chamber of Commerce, presented a thorough overview of the city's tourism initiatives and upcoming plans. In her role, Ms. McCoy highlighted successful collaborations with regional organizations such as the Peoria Area Convention and Visitors Bureau and the Greater Peoria Economic Development Council. She detailed the Chamber's involvement in hosting events like Downtown street parties and Christmas on Court, as well as providing support to other community initiatives such as the Pekin Pride Soccer Tournament. Ms. McCoy also discussed the significant bicentennial year in 2025, unveiling plans for various celebratory events and a dedicated website, pekinbicentennial.com. Additionally, she addressed upcoming events like the state bowling championship and a fishing tournament, emphasizing the need for funding support for the Pekin fireworks and exploring alternative venues due to the closure of the high school stadium. Ms. McCoy expressed the Chamber's commitment to supporting ongoing events and outlined the development of a budget with Finance Consultant Bob Grogan to accommodate known and anticipated events, allowing flexibility for unforeseen requests throughout the year. In response to a query, she indicated the potential for funding requests related to the bicentennial celebrations through the Tourism Committee.

Finance Director Mr. Bob Grogan discussed a housekeeping matter related to overtime reimbursement. He mentioned Chief Ranney's concern about operational overtime being affected by large DEA reimbursements. In the upcoming budget, Mr. Grogan proposed creating a separate line item for reimbursed overtime to provide more flexibility and clarity. This would allow the police department to better manage regular overtime without being impacted by unexpected reimbursements. The goal is to enhance control and separation

between operational overtime and reimbursed overtime. The discussion also touched on addressing similar issues in the fire department, with further details to be covered later.

Fire Chief Trent Reeise provided a comprehensive overview of the Fire Department's needs assessment during his power point presentation. He outlined strengths such as a dedicated workforce and strong labor relations, while identifying weaknesses like aging fire stations and the need for improved training and technology. Chief Reeise discussed opportunities, including partnerships, grants, and a regional training program, as well as threats related to increased costs and rising service demand.

Chief Reeise highlighted notable achievements, such as the success of the Community CPR program, fire inspections, and the acquisition of a rescue boat and new engine. Training efforts, totaling over 7,600 in-house hours, were emphasized, with specific mention of the impact of the EMS coordinator's vehicle on timely responses to 122 emergencies. Chief Reeise reported a total of 6,971 calls for service.

Acknowledging the EMS department's success in cardiac arrest cases, the Chief commended their 39.2% average pulse recovery rate compared to the national average of 27%. Expressing gratitude for equipment, training, and opportunities, Chief Reeise moved on to discuss the Fire Department's budget priorities. Emphasis was placed on maintaining operations, refurbishing engines and aerial devices, continuing cardiac monitor replacement, and addressing training needs.

The Chief addressed challenges with Ladder 3, its bent frame, and the increasing cost and wait time for new engines. Proposing the consideration of refurbishing the 2000 tower truck at an estimated cost of under \$800,000, Chief Reeise presented it as a cost-effective option with a one-year turnaround and an upfront payment of \$10,000 to secure a spot in line. The Council was encouraged to contemplate this approach for budget planning.

Executive Session 5 ILCS 120/2 (c) 11. Pending Litigation

No Executive Session took place.

Adjourn

RESULT:	PASSED (UNANIMOUS)
MOVER:	Council Member Lloyd Orrick
SECONDER:	Mayor Pro-Tem Dave Nutter
AYES:	1st Alternate Mayor Pro Tem Abel, Mayor Burress, Mayor Pro-Tem Nutter, Council Member Hilst, Council Member Orrick, Council Member Hohimer, Council Member Onken

There being no further business to come to the Council a motion was made by Council Member Orrick seconded by Council Member Nutter to adjourn the meeting. Motion carried viva voice vote. Mayor Burress adjourned the meeting at 8:41 PM.

Accounts Payable

To Be Paid Proof List

User: cmbodine@ci.pekin.il.us
Printed: 12/13/2023 - 12:05PM
Batch: 00011.12.2023 - CMB_2023-12-15



City Of Pekin
111 S. Capitol
Pekin, IL 61554

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
Ace Hardware									
10911									
384163	12/8/2023	3.59	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				KEY					
	384163 Total:	3.59							
	Ace Hardware Total:	3.59							
Advance Auto Parts									
12965									
5146331065647	11/6/2023	-154.68	0.00	12/15/2023				No	0
100-032-534000 Automotive Expense				RETURN - PAINTED ROTORS #420					
	5146331065647 Total:	-154.68							
	Advance Auto Parts Total:	-154.68							
Altorfer Inc									
10019									
PC020774346	11/28/2023	111.14	0.00	12/15/2023				No	0
100-032-534000 Automotive Expense				HOSE COUPLING FOR ST 420-2					
	PC020774346 Total:	111.14							
	Altorfer Inc Total:	111.14							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
Amazon Capital Services									
10020									
1JYN-JJ4Q-94WH	12/1/2023	18.89	0.00	12/15/2023				No	0
100-034-529000 Equipment				CARGO NET FOR F6 VEHICLE					
	1JYN-JJ4Q-94WH Total:	18.89							
1PHR-HNNJ-6QQ6	9/1/2023	267.25	0.00	12/15/2023				No	0
100-034-529000 Equipment				METAL DETECTOR					
	1PHR-HNNJ-6QQ6 Total:	267.25							
	Amazon Capital Services T	286.14							
Atlas Supply Company									
10038									
36226	11/28/2023	640.30	0.00	12/15/2023				No	0
100-034-522400 General Supplies				PD CLEANING SUPPLIES					
	36226 Total:	640.30							
	Atlas Supply Company Tot	640.30							
Bank of New York Mellon									
14909									
12112023	12/6/2023	249,635.20	0.00	12/15/2023				No	0
261-321-591400 Loan Payments				PREPAYMENT ON SECT 108 LOAN ON FIRE TRUCK					
	12112023 Total:	249,635.20							
	Bank of New York Mellon	249,635.20							
Benson's									
12783									
AB2GSW	10/16/2023	295.00	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				FIRE STATION #2 WASHER DRYER					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
AB2GSW Total:		295.00							
Benson's Total:		295.00							
BoundTree Medical									
11262									
85170349	11/29/2023	297.85	0.00	12/15/2023				No	0
100-034-522500 Emergency Medical Supplie				EMERGENCY MEDICAL SUPPLIES					
85170349 Total:		297.85							
BoundTree Medical Total:		297.85							
Calpine Energy Solutions									
10590									
*** 2334200189980.	12/8/2023	1.99	0.00	12/15/2023				No	0
100-032-550100 Utilities				1208 KOCH ST 11/01-12/01/23					
*** 2334200189980.	12/8/2023	211.11	0.00	12/15/2023				No	0
100-032-550100 Utilities				1208 KOCH ST (72813995) 11/01-12/01/23					
*** 2334200189980.	12/8/2023	125.97	0.00	12/15/2023				No	0
100-032-550100 Utilities				1140 KOCH ST UNIT SLTDM 10/12-11/13/23					
*** 2334200189980.	12/8/2023	387.08	0.00	12/15/2023				No	0
100-034-550100 Utilities				3232 COURT ST 10/16-11/15/23					
*** 2334200189980.	12/8/2023	205.77	0.00	12/15/2023				No	0
100-034-550100 Utilities				272 DERBY ST 10/11-11/12/23					
*** 2334200189980.	12/8/2023	14.78	0.00	12/15/2023				No	0
100-068-550100 Utilities				1411 ELMGROVE TW 10/24-11/26/23					
*** 2334200189980.	12/8/2023	481.33	0.00	12/15/2023				No	0
100-068-550100 Utilities				1130 KOCH ST UNIT A (72878447) 11/01-12/01/23					
*** 2334200189980.	12/8/2023	56.36	0.00	12/15/2023				No	0
100-068-550100 Utilities				911 BRENKMAN DR 10/25-11/27/23					
*** 2334200189980.	12/8/2023	23.25	0.00	12/15/2023				No	0
100-068-550100 Utilities				95 COURT UNMETERED 11/01-12/04/23					
*** 2334200189980.	12/8/2023	32.39	0.00	12/15/2023				No	0
100-068-550100 Utilities				95 COURT (25850931) 11/01-12/04/23					
*** 2334200189980.	12/8/2023	3.06	0.00	12/15/2023				No	0

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
100-068-550100 Utilities *** 2334200189980	12/8/2023	0.73	0.00	310 MARGARET 10/26-11/28/23 12/15/2023				No	0
100-068-550100 Utilities *** 2334200189980	12/8/2023	1.55	0.00	2504 S 2ND ST/PEKIN CITY SIGN 10/19-11/20/23 12/15/2023				No	0
100-068-550100 Utilities *** 2334200189980	12/8/2023	6.71	0.00	98 COURT ST 11/01-12/04/23 12/15/2023				No	0
100-068-550100 Utilities *** 2334200189980	12/8/2023	1,379.45	0.00	407 ANN ELIZA ST 10/26-11/28/23 12/15/2023				No	0
100-068-550100 Utilities *** 2334200189980	12/8/2023	0.61	0.00	111 S CAPITOL ST 11/02-12/02/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	75.59	0.00	99 CAROLINE ST 10/26-11/28/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	2.90	0.00	235 WHITE PINE TRAIL 10/23-11/23/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	83.74	0.00	99 FAYETTE ST 11/01-12/04/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	26.56	0.00	805 EAST SHORE DR 10/17-11/16/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	60.85	0.00	801 SHERIDAN RD 10/10-11/08/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	237.88	0.00	1901 EL CAMINO DR 10/18-11/19/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	14.41	0.00	110 STATE UNIT FT 10/26-11/28/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	32.20	0.00	1802 OAKWOOD DR 10/17-11/16/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	10.64	0.00	2120 SUSAN HOPE DR 10/10-11/08/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	82.66	0.00	2 CAPE CT 10/10-11/08/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	70.43	0.00	1831 WINGED FOOT DR 10/23-11/23/23 12/15/2023				No	0
231-030-550100 Utilities *** 2334200189980	12/8/2023	37.33	0.00	2804 S 14TH ST 10/19-11/20/23 12/15/2023				No	0
231-031-550100 Utilities *** 2334200189980	12/8/2023	10,689.22	0.00	606 S FRONT ST (13161169) 10/24-11/24/23 12/15/2023				No	0
231-031-550100 Utilities *** 2334200189980	12/8/2023	17.59	0.00	606 S FRONT ST METER 72016358 11/02-12/01/23 12/15/2023				No	0
231-031-550100 Utilities				2500 S 2ND ST (FBOP) 10/19-11/20/23					

AP-To Be Paid Proof List (12/13/2023 - 12:05 PM)

Page 4

*** means this invoice number is a duplicate.

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
*** 2334200189980.	12/8/2023	120.30	0.00	12/15/2023				No	0
240-240-550500 Electricity For Street Lights				500 PETRI LN METERED STR LIGHTS 10/31-12/03/23					
*** 2334200189980.	12/8/2023	4,707.39	0.00	12/15/2023				No	0
240-240-550500 Electricity For Street Lights				1208 KOCH ST CUST OWN STR LIGHTS 10/13-11/14/23					
*** 2334200189980.	12/8/2023	1,199.57	0.00	12/15/2023				No	0
240-240-550500 Electricity For Street Lights				1208 KOCH ST STREET LIGHTS 10/13/-11/14/23					
*** 2334200189980.	12/8/2023	24.48	0.00	12/15/2023				No	0
240-240-550600 Electricity For Signal Lights				101 S PARKWAY DR (TRAFFIC LIGHT) 10/23-11/23/23					
*** 2334200189980.	12/8/2023	7.51	0.00	12/15/2023				No	0
240-240-550600 Electricity For Signal Lights				MALL & COMM TRF LIGHT UNMTRD 10/17-11/16/23					
*** 2334200189980.	12/8/2023	10.26	0.00	12/15/2023				No	0
240-240-550600 Electricity For Signal Lights				MALL & COMM TRF LIGHTS 25846706 10/16-11/15/23					
*** 2334200189980.	12/8/2023	125.76	0.00	12/15/2023				No	0
501-501-550100 Utilities				1130 KOCH ST METER (25901611) 11/01-12/01/23					
*** 2334200189980.	12/8/2023	474.89	0.00	12/15/2023				No	0
501-501-550100 Utilities				1130 KOCH ST UNIT B (1/2 VMF/BUS) 10/12-11/13/23					
*** 2334200189980.	12/8/2023	97.99	0.00	12/15/2023				No	0
525-525-550100 Utilities				13906 AIRPORT LN UNIT B 10/31-12/03/23					
*** 2334200189980.	12/8/2023	1,235.50	0.00	12/15/2023				No	0
525-525-550100 Utilities				13906 AIRPORT LN ELEC VLT 25682443 10/31-12/03/23					
*** 2334200189980.	12/8/2023	77.56	0.00	12/15/2023				No	0
525-525-550100 Utilities				13906 AIRPORT LN UNIT A 10/31-12/03/23					
*** 2334200189980.	12/8/2023	28.52	0.00	12/15/2023				No	0
525-525-550100 Utilities				13918 AIRPORT LN UNIT B1 2DU05338 10/31-12/03/23					
*** 2334200189980.	12/8/2023	125.77	0.00	12/15/2023				No	0
699-069-550100 Utilities				1130 KOCH ST UNIT B (1/2 VMF/BUS) 11/01-12/01/23					
233420018998033 Total:		22,609.64							
Calpine Energy Solutions T		22,609.64							
Conway Shield									
14482									
0514794	11/21/2023	141.50	0.00	12/15/2023				No	0
100-034-529000 Equipment				EXTRICATION GLOVES					
0514794 Total:		141.50							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
0514870	11/24/2023	745.00	0.00	12/15/2023				No	0
100-034-529000 Equipment				BOOTS					
0514870 Total:		745.00							
0514874	11/24/2023	838.50	0.00	12/15/2023				No	0
100-034-529000 Equipment				NOZZLE					
0514874 Total:		838.50							
0514881	11/24/2023	265.50	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				ENG 3 - TOOL BAG, LOCKOUT KIT					
0514881 Total:		265.50							
0514892	11/26/2023	43.50	0.00	12/15/2023				No	0
100-034-518900 Uniform Allowance				BELT FOR NEW HIRE SUTTLES					
0514892 Total:		43.50							
0514907	11/27/2023	262.50	0.00	12/15/2023				No	0
100-034-529000 Equipment				FAST LOK KIT					
0514907 Total:		262.50							
0515003	11/29/2023	782.16	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				BALL VALVE FOR NEW ENG 3					
0515003 Total:		782.16							
0515004	11/29/2023	264.60	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				CAP FOR INTAKE ON NEW ENG 3					
0515004 Total:		264.60							
Conway Shield Total:		3,343.26							
Enviro-Safe Refrigerants, Inc									
14747									
2022PAYABLE2023	12/5/2023	6,000.00	0.00	12/15/2023				No	0
273-273-591200 Developer Agreement Payments				TIF REIMBURSEMENT					

AP-To Be Paid Proof List (12/13/2023 - 12:05 PM)

Page 6

*** means this invoice number is a duplicate.

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
	2022PAYABLE2023 Total:	6,000.00							
	Enviro-Safe Refrigerants, I	6,000.00							
FedEx Freight 12213 834002771	12/7/2023	83.39	0.00	12/15/2023				No	0
100-004-520400 Postage				SIGNATURE PGS TO JACOB & KLEIN / E & S RES TIF					
	834002771 Total:	83.39							
	FedEx Freight Total:	83.39							
GFL Environmental Services USA, Inc. 14249 P60005202474	11/30/2023	4,241.79	0.00	12/15/2023				No	0
231-031-536400 Sludge Removal				DUMPING FEES FOR SLUDGE					
	P60005202474 Total:	4,241.79							
	GFL Environmental Servic	4,241.79							
GovTempsUSA, LLC 14876 *** 4302334	12/7/2023	4,413.30	0.00	12/15/2023				No	0
100-006-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	553.79	0.00	12/15/2023				No	0
208-208-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	1,662.59	0.00	12/15/2023				No	0
223-023-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	2,771.39	0.00	12/15/2023				No	0
231-029-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	553.79	0.00	12/15/2023				No	0
231-031-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	110.76	0.00	12/15/2023				No	0

AP-To Be Paid Proof List (12/13/2023 - 12:05 PM)

*** means this invoice number is a duplicate.

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
231-033-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	332.28	0.00	12/15/2023				No	0
270-270-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	221.52	0.00	12/15/2023				No	0
273-273-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	277.50	0.00	12/15/2023				No	0
275-275-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	332.28	0.00	12/15/2023				No	0
277-277-569000 Other Contractual Services				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	553.79	0.00	12/15/2023				No	0
501-501-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	277.50	0.00	12/15/2023				No	0
525-525-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
*** 4302334	12/7/2023	110.76	0.00	12/15/2023				No	0
570-570-569000 Other Contractual Service				FINANCE TEMP 11/26-12/10/23					
4302334 Total:		12,171.25							
*** 4302335	12/7/2023	5,925.00	0.00	12/15/2023				No	0
100-005-569000 Other Contractual Service				HR TEMP 11/26-12/10/23					
*** 4302335	12/7/2023	318.00	0.00	12/15/2023				No	0
223-023-569000 Other Contractual Service				HR TEMP 11/26-12/10/23					
*** 4302335	12/7/2023	212.00	0.00	12/15/2023				No	0
231-030-569000 Other Contractual Service				HR TEMP 11/26-12/10/23					
*** 4302335	12/7/2023	318.00	0.00	12/15/2023				No	0
231-031-569000 Other Contractual Service				HR TEMP 11/26-12/10/23					
*** 4302335	12/7/2023	3,599.00	0.00	12/15/2023				No	0
501-501-569000 Other Contractual Service				HR TEMP 11/26-12/10/23					
*** 4302335	12/7/2023	212.00	0.00	12/15/2023				No	0
699-069-569000 Other Contractual Service				HR TEMP 11/26-12/10/23					
4302335 Total:		10,584.00							
GovTempsUSA, LLC Tota		22,755.25							
Hanson Industrial-Peoria, Inc.									
11382									
112135221	11/21/2023	599.11	0.00	12/15/2023				No	0
100-032-534400 Equipment Repairs				REPAIR & INSPECT POWER WASHER					

AP-To Be Paid Proof List (12/13/2023 - 12:05 PM)

Page 8

*** means this invoice number is a duplicate.

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description			Reference					
	112135221 Total:	599.11							
	Hanson Industrial-Peoria, I	599.11							
Harris Pest Control									
10251									
126251	12/7/2023	125.00	0.00	12/15/2023				No	0
100-068-566600 Pest Control					9-1-1 BUS MAINTENANCE VEHICLE				
	126251 Total:	125.00							
126252	12/7/2023	75.00	0.00	12/15/2023				No	0
100-068-566600 Pest Control					SOLID WASTE STREET & MAINTENANCE				
	126252 Total:	75.00							
126253	12/7/2023	110.00	0.00	12/15/2023				No	0
100-068-566600 Pest Control					CITY HALL & FIRE DEPTS				
	126253 Total:	110.00							
126255	12/7/2023	60.00	0.00	12/15/2023				No	0
525-525-566600 Pest Control					PEST CONTROL				
	126255 Total:	60.00							
	Harris Pest Control Total:	370.00							
Herr Petroleum Corporation									
12712									
D41226	12/1/2023	10,210.73	0.00	12/15/2023				No	0
699-000-160100 Fuel Inventory					DIESEL - 3004 GAL @ 3.40 PER GAL				
	D41226 Total:	10,210.73							
	Herr Petroleum Corporatio	10,210.73							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
IL American Water 10291									
*** 210001172927	12/4/2023	123.05	0.00	12/15/2023				No	0
100-068-550100 Utilities				CITY HALL FIRE SUPPRESSION - DEC 02-JAN 02					
210001172927 Total:		123.05							
*** 210003326348	12/4/2023	18.82	0.00	12/15/2023				No	0
100-068-550100 Utilities				MARY ST YD HY - NOV 02-DEC 01					
210003326348 Total:		18.82							
IL American Water Total:		141.87							
Jeff Worms & Sons 14521									
12052023-01	12/5/2023	5,450.00	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				T & M DIST 8					
12052023-01 Total:		5,450.00							
12052023-02	12/5/2023	2,125.00	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				T & M DIST 7					
12052023-02 Total:		2,125.00							
Jeff Worms & Sons Total:		7,575.00							
Johnson Mechanical Service Inc. 11213									
169220	11/13/2023	218.32	0.00	12/15/2023				No	0
100-034-534400 Equipment Repairs				COFFEE POT SERVICING - ST 1					
169220 Total:		218.32							
169221	11/13/2023	218.32	0.00	12/15/2023				No	0
100-034-534400 Equipment Repairs				COFFEE MACHINE SERVICING - ST 2					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
169221 Total:		218.32							
169246	11/13/2023	211.00	0.00	12/15/2023				No	0
100-034-534400 Equipment Repairs				COFFEE POT SERVICING - ST 3					
169246 Total:		211.00							
Johnson Mechanical Servic		647.64							
Leander Construction, Inc 12713									
*** 5	12/12/2023	197,267.11	0.00	12/15/2023				No	0
525-000-150600 Building Improvements				PAY APP #5					
5 Total:		197,267.11							
*** 7	12/12/2023	73,192.61	0.00	12/15/2023				No	0
525-000-150600 Building Improvements				PAY APP #7					
7 Total:		73,192.61							
Leander Construction, Inc		270,459.72							
LHF Compost, Inc. 11829									
1710940	11/3/2023	2,197.72	0.00	12/15/2023				No	0
223-025-566501 Compost Site Expense				YARD WASTE FEE 10/30-11/03/2023					
1710940 Total:		2,197.72							
LHF Compost, Inc. Total:		2,197.72							
Linde Gas & Equipment 10518									
39571667	11/22/2023	316.14	0.00	12/15/2023				No	0
100-034-524000 Lease/rental Of Equipment				O2 - OCT 20-NOV 20					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
	39571667 Total:	316.14							
39800539	11/30/2023	263.12	0.00	12/15/2023				No	0
100-034-524000	Lease/rental Of Equipment			O2 - OCT 20-NOV 20					
	39800539 Total:	263.12							
	Linde Gas & Equipment To	579.26							
Menards									
10414									
62946	11/6/2023	116.55	0.00	12/15/2023				No	0
231-033-564100	Drainage Improvements			WOOD STAKES, CONST SCREWS, CATCH BASIN REF					
	62946 Total:	116.55							
63536	11/14/2023	12.10	0.00	12/15/2023				No	0
100-034-522400	General Supplies			SCREWS					
	63536 Total:	12.10							
64507	11/27/2023	10.68	0.00	12/15/2023				No	0
100-034-522400	General Supplies			SCREWS					
	64507 Total:	10.68							
*** 64617	11/28/2023	31.98	0.00	12/15/2023				No	0
100-034-522400	General Supplies			GARBAGE BAGS					
*** 64617	11/28/2023	110.79	0.00	12/15/2023				No	0
100-034-529000	Equipment			DESK HEATER, TOOL BAG, CARRYING STRAPS					
	64617 Total:	142.77							
64696	11/29/2023	60.50	0.00	12/15/2023				No	0
100-034-598100	Public Relations			CANDY CANES FOR CHRISTMAS PARADE					
	64696 Total:	60.50							
*** 64791	11/30/2023	79.95	0.00	12/15/2023				No	0
100-034-519000	Training And Education			COFFEE POT FOR TRAINING ROOM					

AP-To Be Paid Proof List (12/13/2023 - 12:05 PM)

*** means this invoice number is a duplicate.

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
*** 64791	11/30/2023	69.93	0.00	12/15/2023				No	0
100-034-522500 Emergency Medical Supplie				BINS FOR EMS SUPPLIES					
64791 Total:		149.88							
65145	10/5/2023	35.07	0.00	12/15/2023				No	0
100-032-523000 Traffic/Street Signs & Marking				GREEN TREATED POST FOR SIGNS					
65145 Total:		35.07							
65148	12/5/2023	618.58	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				PAINT SUPPLIES FOR CITY HALL					
65148 Total:		618.58							
65161	12/1/2023	51.88	0.00	12/15/2023				No	0
100-068-522400 General Supplies				CLEANING SUPPLIES PUBLIC PROPERTY					
65161 Total:		51.88							
65320	12/7/2023	148.39	0.00	12/15/2023				No	0
231-031-522400 General Supplies				GENERAL CLEANING SUPPLIES					
65320 Total:		148.39							
65390	12/8/2023	17.15	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				CONCRETE ANCHORS					
65390 Total:		17.15							
Menards Total:		1,363.55							
Mercury Medical 14716									
INV203048	11/30/2023	1,594.84	0.00	12/15/2023				No	0
100-034-522500 Emergency Medical Supplie				EMERGENCY MEDICAL SUPPLIES					
INV203048 Total:		1,594.84							
INV203063	11/30/2023	592.72	0.00	12/15/2023				No	0
100-034-522500 Emergency Medical Supplie				EMERGENCY MEDICAL SUPPLIES					

AP-To Be Paid Proof List (12/13/2023 - 12:05 PM)

*** means this invoice number is a duplicate.

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
INV203063 Total:		592.72							
INV203365	12/1/2023	900.00	0.00	12/15/2023				No	0
100-034-522500	Emergency Medical Supplie			EMERGENCY MEDICAL SUPPLIES					
INV203365 Total:		900.00							
Mercury Medical Total:		3,087.56							
Pace Analytical Services									
10473									
I9576960	11/30/2023	2,077.50	0.00	12/15/2023				No	0
231-031-561300	Testing Fees And Expenses			COPPER & SPECIAL COND HVY METAL TESTING					
I9576960 Total:		2,077.50							
Pace Analytical Services To		2,077.50							
Pekin Community High School #303									
11529									
*** 1	12/8/2023	700.00	0.00	12/15/2023				No	0
100-005-597900	Employee Recognition			EMPLOYEE HOLIDAY LUNCH					
1 Total:		700.00							
Pekin Community High Sc		700.00							
Ragan Communications Inc									
10533									
29558	11/17/2023	221.26	0.00	12/15/2023				No	0
100-034-555000	Radio Expense			COMPUTER MOUNTING EQUIP FOR NEW ENG 3					
29558 Total:		221.26							
29597	11/30/2023	110.00	0.00	12/15/2023				No	0
100-034-555000	Radio Expense			RADIO REPAIR					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
	29597 Total:	110.00							
29609	11/30/2023	110.00	0.00	12/15/2023				No	0
100-034-555000	Radio Expense			RADIO REPAIR					
	29609 Total:	110.00							
29686	11/30/2023	763.88	0.00	12/15/2023				No	0
100-034-555000	Radio Expense			MONTHLY SMR 11/30/2023-12/30/2023					
	29686 Total:	763.88							
	Ragan Communications In	1,205.14							
RoadSafe Traffic Systems, Inc									
12789									
191234	12/1/2023	686.00	0.00	12/15/2023				No	0
100-032-529000	Equipment			SIGN ALERT SPINNERS					
	191234 Total:	686.00							
	RoadSafe Traffic Systems,	686.00							
Sam Harris Clothing									
10563									
121692	8/14/2023	192.00	0.00	12/15/2023				No	0
100-034-529000	Equipment			POLOS FOR AMSTUTZ					
	121692 Total:	192.00							
	Sam Harris Clothing Total:	192.00							
SCADAware									
14952									
2007697	12/6/2023	424.03	0.00	12/15/2023				No	0
231-031-534400	Equipment Repairs			REPAIRS MADE ON SCADA SYSTEM					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description			Reference					
	2007697 Total:	424.03							
	SCADAware Total:	424.03							
Schneider, Dean 14724									
EXPENSE-DEC202	12/12/2023	296.80	0.00	12/15/2023				No	0
208-208-597700 Sponsorships				WALGREENS GIFT CARDS FOR BEAUTIFICATION					
	EXPENSE-DEC2023 Tota	296.80							
	Schneider, Dean Total:	296.80							
Schwartz Electric 10579									
18252	12/7/2023	899.29	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				FIRE STATION #2 HANGING HEATER MOTOR					
	18252 Total:	899.29							
	Schwartz Electric Total:	899.29							
Seico Inc 10587									
58558	12/1/2023	588.00	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				ALARM MONITORING					
	58558 Total:	588.00							
	Seico Inc Total:	588.00							
Topless Tree Service 14332									
2629	12/4/2023	1,800.00	0.00	12/15/2023				No	0

AP-To Be Paid Proof List (12/13/2023 - 12:05 PM)

Page 16

*** means this invoice number is a duplicate.

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
100-032-536000 Tree Removal / Replacemen				4TH & CHARLOTTE					
2629 Total:		1,800.00							
Topless Tree Service Total:		1,800.00							
Tristar Window Cleaning 13950									
1989	12/8/2023	933.00	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				CITY HALL WINDOWS					
1989 Total:		933.00							
Tristar Window Cleaning T		933.00							
Truck Centers Inc 10664									
F14041868001	12/5/2023	202.32	0.00	12/15/2023				No	0
223-023-534000 Automotive Expense				AIR DRYER FOR AIR BRAKES SW12/STOCK					
F14041868001 Total:		202.32							
F14041874001	12/5/2023	584.17	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				INJECTOR LADDER 3					
F14041874001 Total:		584.17							
Truck Centers Inc Total:		786.49							
USABluebook 10674									
INV00194491	11/13/2023	191.77	0.00	12/15/2023				No	0
231-031-561300 Testing Fees And Expenses				TUBING FOR SAMPLER HOSES					
INV00194491 Total:		191.77							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
USABluebook Total:		191.77							
Visa (business)									
11433									
*** 3994-1123	11/24/2023	1,258.94	0.00	12/15/2023				No	0
100-761-555000 Radio Expense				7 PORTABLE SHOULDER RADIOS					
*** 3994-1123	11/24/2023	177.73	0.00	12/15/2023				No	0
100-761-555000 Radio Expense				1 PORTABLE SHOULDER RADIO					
3994-1123 Total:		1,436.67							
*** 8522-1023	10/25/2023	2,520.00	0.00	12/15/2023				No	0
100-009-538000 Maintenance Agreements				CITY DROPBOX ACCOUNT 15 USERS					
*** 8522-1023	10/25/2023	131.85	0.00	12/15/2023				No	0
100-032-569000 Other Contractual Service				COMCAST 08/09-09/08/23					
*** 8522-1023	10/25/2023	131.85	0.00	12/15/2023				No	0
100-032-569000 Other Contractual Service				TRAFFIC CAMS 08/06-09/05/23					
*** 8522-1023	10/25/2023	131.85	0.00	12/15/2023				No	0
100-032-569000 Other Contractual Service				TRAFFIC CAMS 08/08-09/07/23					
*** 8522-1023	10/25/2023	199.00	0.00	12/15/2023				No	0
100-990-569000 Other Contractual Service				CABLE AT CITY HALL 08/08-09/07/23					
*** 8522-1023	10/25/2023	40.06	0.00	12/15/2023				No	0
501-501-569000 Other Contractual Service				CABLE FOR BUS DEPT 08/1-08/31/23					
*** 8522-1023	10/25/2023	636.56	0.00	12/15/2023				No	0
525-525-550300 Telephone				UTILITIES/PHONE/INTERNET 07/23-08/22/23					
8522-1023 Total:		3,791.17							
Visa (business) Total:		5,227.84							
Zoll Worldwide Headquarters									
14978									
3864126	11/28/2023	322.38	0.00	12/15/2023				No	0
100-034-519000 Training And Education				RESCUE CPR DEMO KIT					
3864126 Total:		322.38							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number					Description	Reference			

	Zoll Worldwide Headquart	322.38							
--	--------------------------	--------	--	--	--	--	--	--	--

	Report Total:	623,710.27							

Accounts Payable

To Be Paid Proof List

User: cmbodine@ci.pekin.il.us
Printed: 12/18/2023 - 11:26AM
Batch: 00014.12.2023 - CMB_2023-12-15_02



City Of Pekin
111 S. Capitol
Pekin, IL 61554

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
Advance Auto Parts									
12965									
5146329665497	10/23/2023	7.68	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				EXHAUST CLAMP TAZ16					
5146329665497 Total:		7.68							
5146329665499	10/23/2023	7.68	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				EXHAUST HANGER BUSES					
5146329665499 Total:		7.68							
5146331465751	11/10/2023	10.00	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				INDICATOR LIGHT TAZ#10 BUS					
5146331465751 Total:		10.00							
5146331965827	11/15/2023	13.79	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				BATTERY FOR SQUAD					
5146331965827 Total:		13.79							
5146333535849	12/1/2023	59.14	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				BRAKE CALIPER SQUAD 5201					
5146333535849 Total:		59.14							
5146333535851	12/1/2023	57.84	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				BRAKE CALIPER SQUAD 5201					
5146333535851 Total:		57.84							
5146333535858	12/1/2023	18.02	0.00	12/15/2023				No	0

AP-To Be Paid Proof List (12/18/2023 - 11:26 AM)

Page 1

*** means this invoice number is a duplicate.

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
100-034-534000 Automotive Expense				LED LIGHT RESCUE 2					
5146333535858 Total:		18.02							
5146333927367	12/5/2023	12.68	0.00	12/15/2023				No	0
223-023-534000 Automotive Expense				SWII ADHESIVE					
5146333927367 Total:		12.68							
5146334052481	12/6/2023	35.04	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				HEADLIGHT BUS #1911					
5146334052481 Total:		35.04							
5146334052485	12/6/2023	29.76	0.00	12/15/2023				No	0
699-069-522400 General Supplies				ANTI SEIZE COMPOUND SHOP SUPPLIES					
5146334052485 Total:		29.76							
5146334127431	12/7/2023	37.09	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				OIL FILTER LADDER 3					
5146334127431 Total:		37.09							
5146334136076	12/7/2023	55.98	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				LADDER 3 - COOLANT					
5146334136076 Total:		55.98							
5146334152509	12/7/2023	217.72	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				BRAKE PAD, ROTOR SQUAD 5160					
5146334152509 Total:		217.72							
5146334166110	12/7/2023	37.09	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				OIL FILTER LADDER 3					
5146334166110 Total:		37.09							
5146334226114	12/8/2023	392.54	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				ROTOR, BRAKE PADS SQUAD 5207					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
5146334226114 Total:		392.54							
5146334227466	12/8/2023	10.19	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				FUEL RETAINER SQUAD 5207					
5146334227466 Total:		10.19							
5146334227468	12/8/2023	16.55	0.00	12/15/2023				No	0
223-023-534000 Automotive Expense				SCREW SET SW21					
5146334227468 Total:		16.55							
5146334236117	12/8/2023	6.08	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				FUEL LINE CLIP SQUAD 5207					
5146334236117 Total:		6.08							
5146334627621	12/12/2023	392.54	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				ROTOR, BRAKE PADS					
5146334627621 Total:		392.54							
5146334752552	12/13/2023	170.76	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				SPIN ON FUEL FILTER LADDER 3					
5146334752552 Total:		170.76							
Advance Auto Parts Total:		1,588.17							
Affleck, Francis									
11888									
EXPENSE-1123	12/15/2023	54.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS SOCIAL STUDIES 11/30/23					
EXPENSE-1123 Total:		54.00							
EXPENSE-1223	12/2/2023	54.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS WRESTLING 12/02/23					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description			Reference					
	EXPENSE-1223 Total:	54.00							
	Affleck, Francis Total:	108.00							
All Purpose Polygraph 12588									
*** 1686	8/21/2023	150.00	0.00	12/15/2023				No	0
100-990-590900 Police And Fire Commission				PRE-EMPLOYMENT EXAM JS 08/21/23					
	1686 Total:	150.00							
1738	12/9/2023	150.00	0.00	12/15/2023				No	0
100-761-569000 Other Contractual Service				PRE-EMPLOYMENT EXAM SH 12/07/23					
	1738 Total:	150.00							
1740	12/12/2023	150.00	0.00	12/15/2023				No	0
100-990-590900 Police And Fire Commission				PRE-EMPLOYMENT EXAM DW 12/12/23					
	1740 Total:	150.00							
	All Purpose Polygraph Tot	450.00							
Allegra Print & Imaging 10016									
*** 69431	12/14/2023	112.99	0.00	12/15/2023				No	0
100-001-551000 Printing And Publications				NOTECARDS					
*** 69431	12/14/2023	168.87	0.00	12/15/2023				No	0
100-001-551000 Printing And Publications				NOTECARD ENVELOPES					
	69431 Total:	281.86							
	Allegra Print & Imaging To	281.86							
Amazon Capital Services 10020									

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
1134-YRYK-WWTC	10/1/2023	34.49	0.00	12/15/2023				No	0
100-761-520200 Office Supplies				PLANNER					
1134-YRYK-WWTG Total		34.49							
*** 1LY1-NHKH-H	12/1/2023	287.93	0.00	12/15/2023				No	0
501-501-522400 General Supplies				GEN. SUPPLIES, CLEANING, CUPS, WATER FILTER					
*** 1LY1-NHKH-H	12/1/2023	50.70	0.00	12/15/2023				No	0
501-501-599000 Miscellaneous				MISC EXPENSE EMPLOYEE APPRECIATION					
1LY1-NHKH-H491 Total:		338.63							
Amazon Capital Services T		373.12							
Amerencilco									
10021									
*** 0483154119	12/1/2023	60.58	0.00	12/15/2023				No	0
240-240-550500 Electricity For Street Lights				310 MARGARET TRAFFIC SIGN X 3RD 10/26-11/28/23					
0483154119 Total:		60.58							
Amerencilco Total:		60.58							
Ardelean, Joana									
14913									
11212023	12/12/2023	693.65	0.00	12/15/2023				No	0
100-005-569000 Other Contractual Service				JOANA ARDELEAN TRAVEL 11/21-12/05/23					
11212023 Total:		693.65							
Ardelean, Joana Total:		693.65							
Beck Oil Company of Illinois									
14623									
113023	11/30/2023	346.00	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				MONTHLY SQUAD WASHES 11/04-11/29/23					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description				Reference				
113023 Total:		346.00							
Beck Oil Company of Illin		346.00							
Britton Electronics 10083									
2239861	12/13/2023	179.99	0.00	12/15/2023				No	0
231-030-529000 Equipment					BACK-UPS CS FOR EL CAMINO LIFT STATION				
2239861 Total:		179.99							
2239863	12/13/2023	387.00	0.00	12/15/2023				No	0
231-030-534400 Equipment Repairs					EMERGENCY REPAIR @ ROSEWOOD LIFT ST				
2239863 Total:		387.00							
Britton Electronics Total:		566.99							
Bushue Background Screening 13292									
PEKINBUS2023113	11/30/2023	480.00	0.00	12/15/2023				No	0
501-501-569000 Other Contractual Service					NEW EMPLOYEE BG CHECKS 11/03-11/22/23				
PEKINBUS2023113 Total		480.00							
Bushue Background Screen		480.00							
Canary, Greg 12910									
EXPENSE-1223	12/15/2023	15.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging					PCHS WRESTLING 12/09/23				
EXPENSE-1223 Total:		15.00							
Canary, Greg Total:		15.00							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
Candler, Catharine 12915									
EXPENSE-1223	12/15/2023	50.00	0.00	12/15/2023				No	0
501-501-557200 License And Inspection Fees				CDL REIMBURSEMENT 12/02/23					
EXPENSE-1223 Total:		50.00							
Candler, Catharine Total:		50.00							
Cave, Misti 15059									
EXPENSE-0124	12/14/2023	819.50	0.00	12/15/2023				No	0
100-763-519000 Training And Education				U OF I ACADEMY TRAINING 01/07-01/12/24					
EXPENSE-0124 Total:		819.50							
Cave, Misti Total:		819.50							
CINTAS Corporation 10115									
4176313469	12/7/2023	220.90	0.00	12/15/2023				No	0
699-069-569000 Other Contractual Service				VMF UNIFORM CLEANING					
4176313469 Total:		220.90							
CINTAS Corporation Total		220.90							
Comcast Cable Communications, Inc. 14903									
203130107121	11/26/2023	41.79	0.00	12/15/2023				No	0
501-501-569000 Other Contractual Service				CABLE FOR BUS DEPT 12/01-12/31/23					
203130107121 Total:		41.79							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description			Reference					
	Comcast Cable Communic	41.79							
Confidential Security Corp 10891									
105120	11/30/2023	88.15	0.00	12/15/2023				No	0
100-761-569000 Other Contractual Service				DISPOSAL OF CONFIDENTIAL MTRL 11/01-11/29/23					
105120 Total:		88.15							
Confidential Security Corp		88.15							
CUES 11570									
970005243	9/21/2023	289.43	0.00	12/15/2023				No	0
231-030-524000 Lease/rental Of Equipment				SHIPPING/FUEL LOANER-RENTAL OF CAMERA					
970005243 Total:		289.43							
970005244	9/21/2023	482.54	0.00	12/15/2023				No	0
231-030-524000 Lease/rental Of Equipment				SHIPPING/FUEL LOANER RENTAL OF CAMERA					
970005244 Total:		482.54							
CUES Total:		771.97							
Dossey, John 12954									
EXPENSE-1223	12/13/2023	215.19	0.00	12/15/2023				No	0
100-005-597900 Employee Recognition				SUPPLIES & DRINKS FOR HOLIDAY LUNCH 12/06/23					
EXPENSE-1223 Total:		215.19							
Dossey, John Total:		215.19							
Doubet, Bradley									

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
14409									
EXPENSE-1223	12/15/2023	60.00	0.00	12/15/2023				No	0
501-501-557200 License And Inspection Fees				CDL IMBURSEMENT 12/06/23					
EXPENSE-1223 Total:		60.00							
Doubet, Bradley Total:		60.00							
FirsTech Inc.									
12035									
*** 13964	11/30/2023	37.50	0.00	12/15/2023				No	0
223-023-569000 Other Contractual Service				NOVEMBER 2023 MONTHLY FEES					
*** 13964	11/30/2023	37.50	0.00	12/15/2023				No	0
231-029-569000 Other Contractual Service				NOVEMBER 2023 MONTHLY FEES					
13964 Total:		75.00							
FirsTech Inc. Total:		75.00							
Five Star Water									
12219									
*** 106351	11/16/2023	56.01	0.00	12/15/2023				No	0
231-031-569000 Other Contractual Service				WATER DELIVERED TO WWTP 11/17-12/14/23					
106351 Total:		56.01							
Five Star Water Total:		56.01							
Foster, Megan									
14235									
EXPENSE-1223	12/18/2023	26.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS GIRLS BASKETBALL 12/06/23					
EXPENSE-1223 Total:		26.00							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description			Reference					
Foster, Megan Total:		26.00							
Gallery Ford Pekin 10683									
21823	12/6/2023	2,390.14	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				MULTIPLE SQUAD PART REPAIRS					
21823 Total:		2,390.14							
Gallery Ford Pekin Total:		2,390.14							
Gardner, Terry 12295									
EXPENSE-1223	12/15/2023	54.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS DANCE TEAM 12/09/23					
EXPENSE-1223 Total:		54.00							
Gardner, Terry Total:		54.00							
Gatehouse Media Illinois Holdings Inc. 14577									
6054392	12/14/2023	33.40	0.00	12/15/2023				No	0
100-004-551000 Printing And Publications				11/08/23 DEMOLITION 827 CATHERINE					
6054392 Total:		33.40							
6054804	12/14/2023	176.00	0.00	12/15/2023				No	0
100-004-551000 Printing And Publications				11/19, 11/29 AMENDMENT S & E RESIDENTIAL TIF					
6054804 Total:		176.00							
Gatehouse Media Illinois H		209.40							

Gatekeeper Systems USA Inc

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
13982									
U500055	12/14/2023	870.00	0.00	12/15/2023				No	0
501-501-569000 Other Contractual Service				HOSTED SVCS FOR BUS CAMERAS 12/01/23-02/28/24					
U500055 Total:		870.00							
Gatekeeper Systems USA I		870.00							
Gathman AG, Inc									
14871									
882272	11/29/2023	840.00	0.00	12/15/2023				No	0
501-501-557200 License And Inspection Fees				BUS INSPECTIONS					
882272 Total:		840.00							
Gathman AG, Inc Total:		840.00							
Gem City Tire									
12935									
42090	10/6/2023	284.72	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				TIRE WASTE BUS DEPT					
42090 Total:		284.72							
*** 42230	10/16/2023	110.00	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				SCRAP TIRES					
*** 42230	10/16/2023	77.00	0.00	12/15/2023				No	0
223-023-534000 Automotive Expense				SCRAP TIRES SW					
42230 Total:		187.00							
42728	11/17/2023	263.50	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				TIRE FOR SQUAD 2219					
42728 Total:		263.50							
42928	12/1/2023	1,261.16	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				TIRES 4 STOCK 4-5201					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
	42928 Total:	1,261.16							
43049	12/12/2023	773.05	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				TIRES FOR SQUADS					
	43049 Total:	773.05							
43055	12/12/2023	2,087.16	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				TIRES - ENGINE 2					
	43055 Total:	2,087.16							
43056	12/12/2023	647.30	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				TIRES RESCUE 2					
	43056 Total:	647.30							
	Gem City Tire Total:	5,503.89							
GFI Digital 13867									
*** 2718949	12/8/2023	284.40	0.00	12/15/2023				No	0
100-001-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	6.69	0.00	12/15/2023				No	0
100-006-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	56.96	0.00	12/15/2023				No	0
100-032-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	58.96	0.00	12/15/2023				No	0
100-034-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	8.84	0.00	12/15/2023				No	0
100-761-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	117.71	0.00	12/15/2023				No	0
100-763-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	298.39	0.00	12/15/2023				No	0
100-764-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	412.01	0.00	12/15/2023				No	0
100-990-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	187.71	0.00	12/15/2023				No	0

AP-To Be Paid Proof List (12/18/2023 - 11:26 AM)

*** means this invoice number is a duplicate.

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
501-501-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	93.95	0.00	12/15/2023				No	0
501-501-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	100.69	0.00	12/15/2023				No	0
501-501-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
*** 2718949	12/8/2023	8.09	0.00	12/15/2023				No	0
501-501-538000 Maintenance Agreements				COPIER USAGE 11/09-12/08/23					
2718949 Total:		1,634.40							
GFI Digital Total:		1,634.40							
GFL Environmental Services USA, Inc.									
14249									
P60005202467	11/30/2023	27,734.14	0.00	12/15/2023				No	0
223-023-566500 Landfill Expense				LANDFILL FEE 11/16/22-11/30/23					
P60005202467 Total:		27,734.14							
GFL Environmental Servic		27,734.14							
Grogan, Robert									
14883									
2029	12/14/2023	1,218.82	0.00	12/15/2023				No	0
100-006-569000 Other Contractual Service				MILEAGE & ACCOMMODATION FOR DEC 2023					
2029 Total:		1,218.82							
Grogan, Robert Total:		1,218.82							
Guerra, Dominick									
15084									
EXPENSE-1223	12/14/2023	39.52	0.00	12/15/2023				No	0
100-761-519000 Training And Education				FUEL DURING TRAINING 12/04/23					
EXPENSE-1223 Total:		39.52							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
Guerra, Dominick Total:		39.52							
Gutters by Tunyuck									
14510									
871357	11/14/2023	1,250.00	0.00	12/15/2023				No	0
100-766-534200 Building & Grounds Repair				MONTHLY MOWING FOR NOVEMBER					
871357 Total:		1,250.00							
871358	11/20/2023	975.00	0.00	12/15/2023				No	0
100-766-534200 Building & Grounds Repair				MONTHLY MOWING FOR NOVEMBER					
871358 Total:		975.00							
871359	11/16/2023	462.50	0.00	12/15/2023				No	0
100-793-536100 Property Cleanup Fees				PROPERTY BOARDUP SECURE AFTER FIRE					
871359 Total:		462.50							
871360	12/2/2023	2,370.00	0.00	12/15/2023				No	0
100-793-536100 Property Cleanup Fees				PROPERTY BOARDUP					
871360 Total:		2,370.00							
871361	12/6/2023	835.00	0.00	12/15/2023				No	0
100-766-534200 Building & Grounds Repair				YARD CLEANUP 101 HENRIETTA					
871361 Total:		835.00							
Gutters by Tunyuck Total:		5,892.50							
Hall, Alisa									
14630									
EXPENSE-1223	12/15/2023	26.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				RANKIN BOYS BASKETBALL 12/04/23					
EXPENSE-1223 Total:		26.00							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
Hall, Alisa Total:		26.00							
Harris Pest Control 10251									
126254	12/7/2023	215.00	0.00	12/15/2023				No	0
231-031-561300 Testing Fees And Expenses				SUBSTATION & PRISON PEST CONTROL 12/07/23					
126254 Total:		215.00							
Harris Pest Control Total:		215.00							
Havens, Michelle 11019									
*** EXPENSE-122:	12/15/2023	26.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS WRESTLING 12/05/23					
*** EXPENSE-122:	12/15/2023	26.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS BOYS BASKETBALL 12/09/23					
EXPENSE-1223 Total:		52.00							
Havens, Michelle Total:		52.00							
Hawkins Inc. 12742									
6626076	11/15/2023	30.00	0.00	12/15/2023				No	0
231-031-522200 Chemical Supplies				CHLORINE CYLINDER					
6626076 Total:		30.00							
6635474	11/27/2023	5,725.00	0.00	12/15/2023				No	0
231-031-522200 Chemical Supplies				POLYMER FOR SLUDGE TREATMENT					
6635474 Total:		5,725.00							
Hawkins Inc. Total:		5,755.00							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
Haynes, Jessica 14809									
EXPENSE-1123	12/15/2023	15.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS CNA PROGRAM 11/30/23					
EXPENSE-1123 Total:		15.00							
Haynes, Jessica Total:		15.00							
Herr Petroleum Corporation 12712									
*** D41233	12/8/2023	15,427.15	0.00	12/15/2023				No	0
699-000-160100 Fuel Inventory				DIESEL 4999 GAL @ 3.09/GAL					
*** D41233	12/8/2023	7,374.79	0.00	12/15/2023				No	0
699-000-160100 Fuel Inventory				REG N/L 3001 GAL @ 2.46/GAL					
D41233 Total:		22,801.94							
Herr Petroleum Corporatio		22,801.94							
IACP 12148									
319643	11/14/2023	190.00	0.00	12/15/2023				No	0
100-761-551600 Dues And Subscriptions				ANNUAL RENEWAL SR 01/01-12/31/24					
319643 Total:		190.00							
326983	11/14/2023	190.00	0.00	12/15/2023				No	0
100-761-551600 Dues And Subscriptions				ANNUAL RENEWAL CH 01/01-12/31/24					
326983 Total:		190.00							
IACP Total:		380.00							
Icenogle, Greg 15037									

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
EXPENSE-1223	12/15/2023	54.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS SPEECH 12/02/23					
	EXPENSE-1223 Total:	54.00							
	Icenogle, Greg Total:	54.00							
IL American Water 10291									
*** 210000997451	12/6/2023	60.76	0.00	12/15/2023				No	0
100-068-550100 Utilities				FIRE STATION #2 11/03-12/04/23					
	210000997451 Total:	60.76							
*** 210001081786	12/6/2023	18.82	0.00	12/15/2023				No	0
100-068-550100 Utilities				7TH ST YD HY 11/04-12/05/23					
	210001081786 Total:	18.82							
*** 210002547388	12/8/2023	90.12	0.00	12/15/2023				No	0
100-068-550100 Utilities				FIRE STATION #3 11/07-12/06/23					
	210002547388 Total:	90.12							
*** 210003041258	12/8/2023	18.82	0.00	12/15/2023				No	0
100-068-550100 Utilities				DERBY ST YD HY 11/08-12/07/23					
	210003041258 Total:	18.82							
*** 210003090717	12/8/2023	61.09	0.00	12/15/2023				No	0
100-068-550100 Utilities				STREET DEPT 11/08-12/07/23					
	210003090717 Total:	61.09							
	IL American Water Total:	249.61							
IL Oil Marketing Equipment 10313									
45329	11/29/2023	171.13	0.00	12/15/2023				No	0

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number					Description	Reference			
231-031-534400 Equipment Repairs					COUPLER ADAPTER TO REPAIR DRAIN STATION				
45329 Total:		171.13							
IL Oil Marketing Equipme		171.13							
Illini Plumbing, Inc. 12264 19119	12/7/2023	442.96	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep					INSTALL RECIPROCATING PUMP FIRE STATION #1				
19119 Total:		442.96							
Illini Plumbing, Inc. Total:		442.96							
Illinois Tollway 13159 VW5105614028	11/21/2023	46.10	0.00	12/15/2023				No	0
231-031-599000 Miscellaneous					TAKING PUMP FOR REPAIRS 08/31, 12/09 & 12/21/23				
VW5105614028 Total:		46.10							
Illinois Tollway Total:		46.10							
Innovative Medical Therapies LLC 14507 1900	12/11/2023	150.00	0.00	12/15/2023				No	0
501-501-559000 Medical Expense/supplies					NEW EMPLOYEE PHYSICAL & DRUG SCREEN HF				
1900 Total:		150.00							
Innovative Medical Therap		150.00							
Interstate Batteries of Centra 10330									

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
*** 20026257	11/30/2023	137.19	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				BATTERY - FIRE					
*** 20026257	11/30/2023	308.86	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				BATTERY STOCK BUS					
20026257 Total:		446.05							
Interstate Batteries of Cent		446.05							
IWIRC									
10335									
*** 394322	11/20/2023	102.00	0.00	12/15/2023				No	0
100-032-559000 Medical Expense/supplies				STREET DEPT DRUG/ALC SCREENINGS 11/01/23					
*** 394322	11/20/2023	450.00	0.00	12/15/2023				No	0
501-501-559000 Medical Expense/supplies				BUS DEPT DRUG/ALC SCREENINGS 11/01/23					
394322 Total:		552.00							
394537	11/20/2023	42.00	0.00	12/15/2023				No	0
501-501-559000 Medical Expense/supplies				RANDOM DRUG SCREEN FOR MGM 11/06/23					
394537 Total:		42.00							
394570	11/20/2023	125.00	0.00	12/15/2023				No	0
501-501-559000 Medical Expense/supplies				NEW EMP DRUG/PHYSICAL FOR PP 11/08/23					
394570 Total:		125.00							
394616	11/20/2023	74.00	0.00	12/15/2023				No	0
501-501-559000 Medical Expense/supplies				POST INCIDENT FOR RR 11/06/23					
394616 Total:		74.00							
394632	11/20/2023	44.00	0.00	12/15/2023				No	0
501-501-559000 Medical Expense/supplies				POST ACCIDENT DRUG SCREEN TS 11/01/23					
394632 Total:		44.00							
394697	11/20/2023	125.00	0.00	12/15/2023				No	0
501-501-559000 Medical Expense/supplies				NEW EMP DRUG/PHYSICAL FOR BW 11/10/23					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
394697 Total:		125.00							
394963	12/7/2023	108.00	0.00	12/15/2023				No	0
100-006-559000 Medical Expense/supplies				FINANCE PRE-EMPLOY SCREEN CB 11/28/23					
394963 Total:		108.00							
395082	11/30/2023	108.00	0.00	12/15/2023				No	0
100-761-569000 Other Contractual Service				PRE-EMPLOYMENT EXAM SH 11/30/23					
395082 Total:		108.00							
395304	12/7/2023	108.00	0.00	12/15/2023				No	0
100-001-559000 Medical Expense/supplies				ECON DEV PRE-EMP SCREENS JW 11/20/23					
395304 Total:		108.00							
IWIRC Total:		1,286.00							
Johnson Mechanical Service Inc.									
11213									
169310	11/20/2023	1,029.84	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				ICE MACHINE REPAIR AT ST. 1					
169310 Total:		1,029.84							
Johnson Mechanical Servic		1,029.84							
Kallister, David									
12389									
EXPENSE-1223	12/15/2023	41.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS CHEERLEADERS 12/09/23					
EXPENSE-1223 Total:		41.00							
Kallister, David Total:		41.00							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
Key Equipment 10353									
STL205551	12/6/2023	181.72	0.00	12/15/2023				No	0
231-033-534000 Automotive Expense				CHAIN & SPROCKET KIT FOR SWEEPER					
STL205551 Total:		181.72							
STL205582	12/7/2023	380.66	0.00	12/15/2023				No	0
231-033-534000 Automotive Expense				GRIPPER POD FOR SWEEPER					
STL205582 Total:		380.66							
Key Equipment Total:		562.38							
Kimball Midwest 11679									
101709542	12/7/2023	138.72	0.00	12/15/2023				No	0
231-030-522400 General Supplies				JULIE MARKING PAINT					
101709542 Total:		138.72							
101717961	12/11/2023	345.71	0.00	12/15/2023				No	0
100-032-522400 General Supplies				PUMISHER/BLAST WIPES/PRESTO PENS/GRS FITTIN					
101717961 Total:		345.71							
101719551	12/11/2023	123.75	0.00	12/15/2023				No	0
231-030-522400 General Supplies				JULIE MARKING GREEN FLAGS					
101719551 Total:		123.75							
101724502	12/12/2023	23.75	0.00	12/15/2023				No	0
100-032-522400 General Supplies				BOLTS FOR SHOP					
101724502 Total:		23.75							
101733250	12/14/2023	42.12	0.00	12/15/2023				No	0
100-032-522400 General Supplies				DRILL BITS FOR SHOP					
101733250 Total:		42.12							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
Kimball Midwest Total:		674.05							
Knackmuhs, Bridget 14836									
EXPENSE-1223	12/15/2023	26.00	0.00	12/15/2023					
501-501-554200 Meals/Lodging				BROADMOOR BOYS BASKETBALL 12/05/23					
EXPENSE-1223 Total:		26.00							
Knackmuhs, Bridget Total:		26.00							
LHF Compost, Inc. 11829									
1711026	12/8/2023	1,027.55	0.00	12/15/2023					
223-025-566501 Compost Site Expense				YU FEE 12/04-12/08/23					
1711026 Total:		1,027.55							
LHF Compost, Inc. Total:		1,027.55							
Marien, Charles 14857									
EXPENSE-1223	12/15/2023	26.00	0.00	12/15/2023					
501-501-554200 Meals/Lodging				BROADMOOR BOYS BASKETBALL 12/07/23					
EXPENSE-1223 Total:		26.00							
Marien, Charles Total:		26.00							
Mathews, Trenten 15008									
EXPENSE-1223	12/12/2023	66.46	0.00	12/15/2023					
100-032-557200 License And Inspection Fees				CDL REIMBURSEMENT 12/12/23					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
	EXPENSE-1223 Total:	66.46							
	Mathews, Trenten Total:	66.46							
McCabe, Tara 11649									
EXPENSE-1223	12/15/2023	15.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				SPGS - MORTON CINEMA 12/08/23					
	EXPENSE-1223 Total:	15.00							
	McCabe, Tara Total:	15.00							
McDaniels Marketing Communications 10839									
10235	12/8/2023	500.00	0.00	12/15/2023				No	0
208-208-560500 Consulting Services				SEO & WEB MAINTENANCE DECEMBER 2023					
	10235 Total:	500.00							
10236	12/8/2023	300.00	0.00	12/15/2023				No	0
208-208-560500 Consulting Services				DISC. PEKIN WEB HOST QRTLY 12/2023-02/2024					
	10236 Total:	300.00							
	McDaniels Marketing Com	800.00							
McMaster-Carr 11784									
18463920	12/4/2023	419.24	0.00	12/15/2023				No	0
231-031-534400 Equipment Repairs				REPAIRS ON CLARIFIERS DRIVE					
	18463920 Total:	419.24							
	McMaster-Carr Total:	419.24							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
Menards									
10414									
65333	12/7/2023	79.97	0.00	12/15/2023				No	0
100-766-534000 Automotive Expense				TRIBALL MOUNT CODE ENFORCEMENT					
65333 Total:		79.97							
65341	12/7/2023	903.49	0.00	12/15/2023				No	0
100-766-536100 Property Cleanup Fees				PROPERTY CLEANUP					
65341 Total:		903.49							
65381	12/8/2023	14.99	0.00	12/15/2023				No	0
100-032-529000 Equipment				7 DIAL WATERING WAND FOR SIDEWALK					
65381 Total:		14.99							
65628	12/12/2023	16.44	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				PAINT SUPPLIES					
65628 Total:		16.44							
Menards Total:		1,014.89							
Midwest Equipment - Tremont									
14556									
706549	12/7/2023	73.97	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				FUEL SHUT OFF FIRE DEPT RESCUE 2					
706549 Total:		73.97							
707223	12/11/2023	46.99	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				STOP SWITCH FIRE LADDER 3					
707223 Total:		46.99							
Midwest Equipment - Trem		120.96							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
Midwest Transit Equipment 10421									
X10106921401	12/6/2023	128.51	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				GLASS BUS #1204					
	X10106921401 Total:	128.51							
*** X10106927001	11/29/2023	203.35	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				REARVIEW MIRROR BUS #1935					
	X10106927001 Total:	203.35							
X10106937001	12/6/2023	203.35	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				REARVIEW MIRROR BUS 1905					
	X10106937001 Total:	203.35							
X10106941601	12/11/2023	114.66	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				HORN BUS #1918					
	X10106941601 Total:	114.66							
X10106943401	12/12/2023	32.15	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				FOAM CUSHION BUS 1908					
	X10106943401 Total:	32.15							
X10106943402	12/13/2023	318.15	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				CUSHION ASSEMBLY BUS #1908					
	X10106943402 Total:	318.15							
	Midwest Transit Equipmen	1,000.17							
Miller Hall & Triggs 10423									
*** 70	12/5/2023	14,277.82	0.00	12/15/2023				No	0
100-003-560600 Corporate Counsel Fees				11/2023 GENERAL LEGAL MATTERS					
*** 70	12/5/2023	1,401.72	0.00	12/15/2023				No	0
100-003-560600 Corporate Counsel Fees				11/2023 ORDINANCE VIOLATIONS					
*** 70	12/5/2023	1,202.90	0.00	12/15/2023				No	0

AP-To Be Paid Proof List (12/18/2023 - 11:26 AM)

Page 25

*** means this invoice number is a duplicate.

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
100-003-560600 Corporate Counsel Fees				11/2023 BOARD OF REVIEW					
*** 70	12/5/2023	285.00	0.00	12/15/2023				No	0
100-003-560600 Corporate Counsel Fees				11/2023 LIQUOR COMMISSION					
*** 70	12/5/2023	3,180.36	0.00	12/15/2023				No	0
100-003-560600 Corporate Counsel Fees				11/2023 DEMOLITIONS					
*** 70	12/5/2023	447.55	0.00	12/15/2023				No	0
100-003-560600 Corporate Counsel Fees				11/2023 ZBA/PLANNING COMMISSION					
*** 70	12/5/2023	90.74	0.00	12/15/2023				No	0
100-003-560600 Corporate Counsel Fees				11/2023 DEANNA SHANKS CASE					
*** 70	12/5/2023	90.74	0.00	12/15/2023				No	0
100-003-560600 Corporate Counsel Fees				11/2023 HOWARD SEELYE CASE					
*** 70	12/5/2023	967.00	0.00	12/15/2023				No	0
100-003-560600 Corporate Counsel Fees				11/2023 ROTHERT LITIGATION					
*** 70	12/5/2023	1,041.00	0.00	12/15/2023				No	0
100-003-561001 Legal Services - Police Labor				11/2023 SIMMONS CASES					
*** 70	12/5/2023	437.00	0.00	12/15/2023				No	0
100-003-561001 Legal Services - Police Labor				11/2023 POLICE MATTERS					
*** 70	12/5/2023	207.00	0.00	12/15/2023				No	0
699-069-569000 Other Contractual Service				11/2023 GENERAL UNIT MATTERS					
70 Total:		23,628.83							
Miller Hall & Triggs Total:		23,628.83							
Modal Marketing									
10427									
INV101737	11/30/2023	222.51	0.00	12/15/2023				No	0
699-069-522400 General Supplies				SHOP SUPPLIES					
INV101737 Total:		222.51							
Modal Marketing Total:		222.51							
Municipal Collections of America, Inc									
13502									
62864	12/15/2023	3,259.59	0.00	12/15/2023				No	0
100-764-538000 Maintenance Agreements				MAINTENANCE AGREEMENT NOV 11/01-11/30/23					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
	62864 Total:	3,259.59							
	Municipal Collections of A	3,259.59							
Mutual Wheel 10439									
2802441	12/6/2023	10.65	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				ELBOW LADDER 3					
	2802441 Total:	10.65							
2803624	12/13/2023	78.21	0.00	12/15/2023				No	0
223-023-534000 Automotive Expense				VALVE SW12					
	2803624 Total:	78.21							
	Mutual Wheel Total:	88.86							
NAPA Auto Parts of Pekin 10441									
552701	10/4/2023	4.69	0.00	12/15/2023				No	0
100-032-534400 Equipment Repairs				FUSE - GENERATOR					
	552701 Total:	4.69							
552710	10/4/2023	-1.00	0.00	12/15/2023				No	0
100-032-534400 Equipment Repairs				FUSE - GENERATOR					
	552710 Total:	-1.00							
558092	12/4/2023	23.92	0.00	12/15/2023				No	0
223-026-534000 Automotive Expense				FITTINGS RC2					
	558092 Total:	23.92							
558361	12/6/2023	29.33	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				FITTING FIRE LADDER 3					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
558361 Total:		29.33							
558596	12/8/2023	13.99	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				FUEL CONNECTOR #5207					
558596 Total:		13.99							
NAPA Auto Parts of Pekin		70.93							
NCL of Wisconsin Inc 12393									
496145	11/27/2023	108.38	0.00	12/15/2023				No	0
231-031-561300 Testing Fees And Expenses				SAMPLES AND TESTING					
496145 Total:		108.38							
NCL of Wisconsin Inc Total		108.38							
Neff, Lisa 11600									
EXPENSE-1223	12/15/2023	26.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				FRIENDS AND HARMONY 12/02/23					
EXPENSE-1223 Total:		26.00							
Neff, Lisa Total:		26.00							
Newcomb, Phillip 15009									
EXPENSE-1223	12/15/2023	15.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS GIRLS BASKETBALL 12/02/23					
EXPENSE-1223 Total:		15.00							
Newcomb, Phillip Total:		15.00							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
Northwestern University 12175									
CPS122806	12/5/2023	1,100.00	0.00	12/15/2023				No	0
100-761-519000 Training And Education				TRAINING REGISTRATION RJ 01/08-03/01/24					
CPS122806 Total:		1,100.00							
Northwestern University To		1,100.00							
Otis Elevator 10461									
100401387469	12/7/2023	27.39	0.00	12/15/2023				No	0
100-761-569000 Other Contractual Service				ELEVATOR MAINTENANCE 01/01-03/31/24					
100401387469 Total:		27.39							
Otis Elevator Total:		27.39							
Otto Baum Co Inc 10462									
232003401	12/15/2023	24,322.50	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				MASONRY AT CITY HALL					
232003401 Total:		24,322.50							
Otto Baum Co Inc Total:		24,322.50							
Parkside Athletics 10470									
12132023	12/1/2023	474.00	0.00	12/15/2023				No	0
695-095-516700 Wellness Program				12/2023 PARKSIDE MEMBERSHIPS					
12132023 Total:		474.00							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description			Reference					
Parkside Athletics Total:		474.00							
Pekin Hardwood Lumber Co.									
11802									
532900	10/25/2023	412.00	0.00	12/15/2023				No	0
100-032-534000 Automotive Expense				WOOD PANELS FOR SALT TRUCK					
532900 Total:		412.00							
Pekin Hardwood Lumber C		412.00							
Peoria Prints									
15086									
2878	12/4/2023	425.00	0.00	12/15/2023				No	0
208-208-560500 Consulting Services				TOURISM FLYERS					
2878 Total:		425.00							
Peoria Prints Total:		425.00							
Phillips, Bethany									
14478									
EXPENSE-1223	12/15/2023	15.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS 12/01/23					
EXPENSE-1223 Total:		15.00							
Phillips, Bethany Total:		15.00							
Ragan Communications Inc									
10533									
29684	11/30/2023	1,248.65	0.00	12/15/2023				No	0
100-761-555000 Radio Expense				MONTHLY SMR CHARGES 11/30-12/30/23					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description			Reference					
	29684 Total:	1,248.65							
	Ragan Communications In	1,248.65							
Rainbo Oil Co 10534									
*** 9163701	11/30/2023	523.05	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				DEF-FIRE DEPT					
*** 9163701	11/30/2023	854.10	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				5W20 BULK					
	9163701 Total:	1,377.15							
	Rainbo Oil Co Total:	1,377.15							
Ray O'Herron Co Inc 10539									
2311167	12/7/2023	81.10	0.00	12/15/2023				No	0
100-761-554300 Tools & Uniforms				NEW HIRE UNIFORMS TT					
	2311167 Total:	81.10							
2311569	12/8/2023	99.49	0.00	12/15/2023				No	0
100-761-554300 Tools & Uniforms				NAME BARS FOR PROMOTIONS					
	2311569 Total:	99.49							
	Ray O'Herron Co Inc Total	180.59							
Reliable Environmental Solutions, Inc 14554									
14597	11/20/2023	145.00	0.00	12/15/2023				No	0
100-766-519000 Training And Education				TRAINING PB 11/08/23					
	14597 Total:	145.00							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description			Reference					
	Reliable Environmental So	145.00							
Schertz, Christy 13362									
EXPENSE-1223	12/15/2023	54.00	0.00	12/15/2023	PCHS SPEECH 12/09/23			No	0
501-501-554200 Meals/Lodging									
	EXPENSE-1223 Total:	54.00							
	Schertz, Christy Total:	54.00							
Schwartz Electric 10579									
18253	12/7/2023	3,150.00	0.00	12/15/2023	JULIE LOCATES 11/23-12/05/23			No	0
100-032-569000 Other Contractual Service									
	18253 Total:	3,150.00							
	Schwartz Electric Total:	3,150.00							
Screen Graphics 11875									
4898	12/5/2023	210.00	0.00	12/15/2023	OVERSIZE ITEM 810 STICKERS FOR SOLID WASTE			No	0
223-023-551000 Printing And Publications									
	4898 Total:	210.00							
	Screen Graphics Total:	210.00							
Seico Inc 10587									
58868	12/12/2023	187.50	0.00	12/15/2023	FIX 4K CARD PROGRAM 11/27/23			No	0
100-761-569000 Other Contractual Service									

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
58868 Total:		187.50							
Seico Inc Total:		187.50							
Sentry Safety Supply, Inc. 10882									
*** 0280703IN	12/13/2023	380.68	0.00	12/15/2023				No	0
100-032-529000 Equipment					FLASHLIGHT FOR STREETS				
*** 0280703IN	12/13/2023	71.80	0.00	12/15/2023				No	0
223-023-529000 Equipment					HARD HATS FOR SOLID WASTE				
0280703IN Total:		452.48							
Sentry Safety Supply, Inc.		452.48							
Shanklin, Toni 14988									
EXPENSE-1223	12/15/2023	41.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging					PCHS BOYS BASKETBALL 12/02/23				
EXPENSE-1223 Total:		41.00							
Shanklin, Toni Total:		41.00							
Sirchie Acquisition Company LLC 10604									
0622303IN	12/5/2023	286.78	0.00	12/15/2023				No	0
100-761-522400 General Supplies					EVIDENCE BAGS				
0622303IN Total:		286.78							
Sirchie Acquisition Compa		286.78							
Stafford, Jennifer									

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
13690									
EXPENSE-1223	12/15/2023	15.00	0.00	12/15/2023				No	0
501-501-554200 Meals/Lodging				PCHS GIRLS BASKETBALL 12/09/23					
	EXPENSE-1223 Total:	15.00							
	Stafford, Jennifer Total:	15.00							
Sunset Law Enforcement									
15087									
9287IN	11/17/2023	347.60	0.00	12/15/2023				No	0
100-761-592604 Emergency Services Team				DUTY AMMUNITION					
	9287IN Total:	347.60							
	Sunset Law Enforcement T	347.60							
SUR TEC, Inc									
14360									
15242	12/15/2023	2,963.00	0.00	12/15/2023				No	0
100-009-538000 Maintenance Agreements				MEMBERSHIP RENEWAL					
	15242 Total:	2,963.00							
	SUR TEC, Inc Total:	2,963.00							
Topless Tree Service									
14332									
2635	12/7/2023	2,756.25	0.00	12/15/2023				No	0
100-032-536000 Tree Removal / Replacemen				1226 STATE ST 12/05/23					
	2635 Total:	2,756.25							
2641	12/10/2023	1,565.00	0.00	12/15/2023				No	0
100-032-536000 Tree Removal / Replacemen				405 CHARLOTTE STUMPS 12/01/23					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
	2641 Total:	1,565.00							
2642	12/10/2023	1,825.00	0.00	12/15/2023				No	0
100-032-536000	Tree Removal / Replacemen			4TH & CHARLOTTE STUMPS 12/08/23					
	2642 Total:	1,825.00							
2644	12/12/2023	3,240.00	0.00	12/15/2023				No	0
100-032-536000	Tree Removal / Replacemen			BLENKIRON PARK STUMPS 12/12/23					
	2644 Total:	3,240.00							
	Topless Tree Service Total:	9,386.25							
Truck Centers Inc									
10664									
F12032604301	9/6/2023	17.88	0.00	12/15/2023				No	0
100-034-534000	Automotive Expense			CLAMP FIRE-ENGINE 3					
	F12032604301 Total:	17.88							
F14041871601	12/7/2023	136.18	0.00	12/15/2023				No	0
100-034-534000	Automotive Expense			CRANKCASE LADDERS					
	F14041871601 Total:	136.18							
F14041873801	12/8/2023	273.36	0.00	12/15/2023				No	0
223-023-534000	Automotive Expense			CONTROL VALVE SW					
	F14041873801 Total:	273.36							
F14041875001	12/11/2023	57.44	0.00	12/15/2023				No	0
100-032-534000	Automotive Expense			THREADED PLUG SW					
	F14041875001 Total:	57.44							
F14041890801	12/6/2023	-297.50	0.00	12/15/2023				No	0
223-026-534000	Automotive Expense			RETURN - NITROGEN SENSOR RCI					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
	F14041890801 Total:	-297.50							
F14041890901	12/6/2023	-350.00	0.00	12/15/2023				No	0
223-023-534000 Automotive Expense				RETURN TURBO CHARGER SW11					
	F14041890901 Total:	-350.00							
F14041898801	12/8/2023	316.50	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				ECOLITE FILTER / AIR FILTER LADDER 3					
	F14041898801 Total:	316.50							
F14041903901	12/8/2023	1,129.20	0.00	12/15/2023				No	0
100-032-534000 Automotive Expense				RADIATOR STREET 469					
	F14041903901 Total:	1,129.20							
F14041935601	12/14/2023	62.99	0.00	12/15/2023				No	0
100-032-534000 Automotive Expense				FITTINGS (RADIATOR) STREET #469					
	F14041935601 Total:	62.99							
F14041958701	12/14/2023	1,960.63	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				TURBOCHARGE - ACTUATOR ENGINE 3					
	F14041958701 Total:	1,960.63							
	Truck Centers Inc Total:	3,306.68							
Uftring Auto Group									
10829									
165797FOW	11/21/2023	27.81	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				SQUAD MAINTENANCE					
	165797FOW Total:	27.81							
166014FOW	12/1/2023	82.68	0.00	12/15/2023				No	0
100-034-534000 Automotive Expense				COVER - FIRE #5					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
166014FOW Total:		82.68							
166123FOW	12/6/2023	69.34	0.00	12/15/2023				No	0
501-501-534000 Automotive Expense				VALVE - 1075 (BUS VAN)					
166123FOW Total:		69.34							
166315FOW	12/14/2023	101.98	0.00	12/15/2023				No	0
100-032-534000 Automotive Expense				HOSE - STREET #465					
166315FOW Total:		101.98							
254438FOW	12/7/2023	291.00	0.00	12/15/2023				No	0
100-761-534000 Automotive Expense				ADAPTER SQUAD 6207					
254438FOW Total:		291.00							
Uftring Auto Group Total:		572.81							
Uline									
11578									
171710766	12/5/2023	328.76	0.00	12/15/2023				No	0
100-068-534200 Buildings And Grounds Rep				HANDRAIL FOR 9-1-1 ENTRANCE					
171710766 Total:		328.76							
Uline Total:		328.76							
UniFirst First Aid & Safety									
10749									
A129407	11/16/2023	196.61	0.00	12/15/2023				No	0
501-501-559000 Medical Expense/supplies				SUPPLIES FOR MEDICINE CABINET @ BUS DEPT					
A129407 Total:		196.61							
UniFirst First Aid & Safety		196.61							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
University of Illinois									
12891									
FY24123123PEKIN	12/12/2023	550.00	0.00	12/15/2023	No0				
100-763-519000 Training And Education				TRAINING REGISTRATION MC 01/08-01/12/24					
FY24123123PEKIN Total:		550.00							
University of Illinois Total:		550.00							
US Bank Equipment Finance									
13878									
*** 517033296	12/2/2023	127.71	0.00	12/15/2023	No0				
100-001-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
*** 517033296	12/2/2023	127.71	0.00	12/15/2023	No0				
100-006-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
*** 517033296	12/2/2023	127.71	0.00	12/15/2023	No0				
100-032-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
*** 517033296	12/2/2023	127.71	0.00	12/15/2023	No0				
100-034-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
*** 517033296	12/2/2023	127.71	0.00	12/15/2023	No0				
100-761-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
*** 517033296	12/2/2023	127.71	0.00	12/15/2023	No0				
100-763-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
*** 517033296	12/2/2023	127.71	0.00	12/15/2023	No0				
100-763-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
*** 517033296	12/2/2023	127.71	0.00	12/15/2023	No0				
100-764-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
*** 517033296	12/2/2023	127.71	0.00	12/15/2023	No0				
100-990-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
*** 517033296	12/2/2023	620.48	0.00	12/15/2023	No0				
501-501-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
*** 517033296	12/2/2023	127.71	0.00	12/15/2023	No0				
699-069-524000 Lease/rental Of Equipment				COPIER LEASE 12/02/2023					
517033296 Total:		1,897.58							
US Bank Equipment Finan		1,897.58							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
USABluebook 10674									
195049	11/14/2023	22.78	0.00	12/15/2023				No	0
231-031-534400 Equipment Repairs				REPAIRS TO NONPOTABLE LINE					
195049 Total:		22.78							
USABluebook Total:		22.78							
Visa (business) 11433									
*** 4890-1223	12/1/2023	109.00	0.00	12/15/2023				No	0
100-001-519000 Training And Education				11/30 IL FINANCIAL FORECAST FORUM - WEBINAR					
*** 4890-1223	12/1/2023	39.14	0.00	12/15/2023				No	0
100-001-519000 Training And Education				11/15 FRDM OIL - DOSSEY FUEL DURING TRAINING					
*** 4890-1223	12/1/2023	164.97	0.00	12/15/2023				No	0
100-001-519000 Training And Education				11/15 HAMP. INN - DOSSEY HOTEL WHILE TRAINING					
*** 4890-1223	12/1/2023	38.81	0.00	12/15/2023				No	0
100-001-519000 Training And Education				11/14 CIRCLE K - DOSSEY FUEL WHILE TRAINING					
*** 4890-1223	12/1/2023	12.06	0.00	12/15/2023				No	0
100-001-519000 Training And Education				11/14 WENDY'S - DOSSEY LUNCH WHILE TRAINING					
*** 4890-1223	12/1/2023	384.00	0.00	12/15/2023				No	0
100-001-551600 Dues And Subscriptions				11/29 SURVEY MONKEY - RENEWAL					
*** 4890-1223	12/1/2023	136.10	0.00	12/15/2023				No	0
100-004-599802 Computer Hardware				11/22 STAPLES - POWER SPLY SURFACE BOOK NS					
*** 4890-1223	12/1/2023	202.98	0.00	12/15/2023				No	0
100-005-597900 Employee Recognition				11/6 HOBBY LOBBY - CITY HALL XMAS DECOR.					
*** 4890-1223	12/1/2023	85.28	0.00	12/15/2023				No	0
100-005-597900 Employee Recognition				11/11 HOBBY LOBBY - CITY HALL XMAS DECOR.					
*** 4890-1223	12/1/2023	64.99	0.00	12/15/2023				No	0
100-006-599000 Miscellaneous				11/22 RLI - NOTARY NZ					
*** 4890-1223	12/1/2023	61.35	0.00	12/15/2023				No	0
100-007-551600 Dues And Subscriptions				11/27 IDFPR - PE LICENSE RENEWAL JE					
*** 4890-1223	12/1/2023	203.30	0.00	12/15/2023				No	0
100-009-538000 Maintenance Agreements				11/14 VERCARA - DNS 10-1-23 TO 10-31-23					
*** 4890-1223	12/1/2023	203.30	0.00	12/15/2023				No	0
100-009-538000 Maintenance Agreements				11/14 VERCARA - DNS 9-1-23 TO 9-30-23					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
*** 4890-1223	12/1/2023	203.30	0.00	12/15/2023				No	0
100-009-538000 Maintenance Agreements				11/14 VERCARA - DNS 8-1-23 TO 8-31-23					
*** 4890-1223	12/1/2023	599.00	0.00	12/15/2023				No	0
100-009-599801 Computer Software				11/27 ACTIVE DIR. PRO - MIGRATION SOFTWARE					
*** 4890-1223	12/1/2023	897.00	0.00	12/15/2023				No	0
100-761-519000 Training And Education				11/29 LEDA - TRAINING 3 OFFICERS					
*** 4890-1223	12/1/2023	186.24	0.00	12/15/2023				No	0
100-761-522400 General Supplies				10/31 SIRCHIE - EVIDENCE SUPPLIES					
*** 4890-1223	12/1/2023	40.77	0.00	12/15/2023				No	0
100-761-522400 General Supplies				11/20 SIRCHIE - EVIDENCE SUPPLIES					
*** 4890-1223	12/1/2023	110.32	0.00	12/15/2023				No	0
100-761-551600 Dues And Subscriptions				11/12 GODADDY - POLICE RECRUITMENT WEBSITE					
*** 4890-1223	12/1/2023	190.00	0.00	12/15/2023				No	0
100-761-551600 Dues And Subscriptions				11/20 IACP - MEMBERSHIP BW					
*** 4890-1223	12/1/2023	169.95	0.00	12/15/2023				No	0
100-763-529000 Equipment				11/2 HARMONY LAB/BOOT COVERS DEATH SCENES					
*** 4890-1223	12/1/2023	40.00	0.00	12/15/2023				No	0
100-763-551600 Dues And Subscriptions				11/21 ITOA - MEMBERSHIP SR					
*** 4890-1223	12/1/2023	41.75	0.00	12/15/2023				No	0
100-990-590900 Police And Fire Commission				11/7 TADOUGHS - RETIREMENT B'FAST MF					
*** 4890-1223	12/1/2023	400.00	0.00	12/15/2023				No	0
100-990-590900 Police And Fire Commission				11/22 IL FIRE & POLICE COMM. - MEMBERSHIP					
4890-1223 Total:		4,583.61							
Visa (business) Total:		4,583.61							
Wex Health, Inc									
14835									
31295	12/13/2023	36.19	0.00	12/15/2023				No	0
695-095-569000 Other Contractual Service				DECEMBER 2023 COBRA					
31295 Total:		36.19							
Wex Health, Inc Total:		36.19							

Will Harms Co

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
10706									
*** 37597	11/28/2023	9.65	0.00	12/15/2023				No	0
100-001-520200 Office Supplies				2024 CALENDAR					
*** 37597	11/28/2023	9.65	0.00	12/15/2023				No	0
100-001-520200 Office Supplies				2024 CALENDAR					
*** 37597	11/28/2023	11.45	0.00	12/15/2023				No	0
100-001-520200 Office Supplies				2024 CALENDAR					
*** 37597	11/28/2023	22.79	0.00	12/15/2023				No	0
100-006-520200 Office Supplies				2024 CALENDAR					
*** 37597	11/28/2023	9.99	0.00	12/15/2023				No	0
100-006-520200 Office Supplies				2024 CALENDAR					
*** 37597	11/28/2023	8.85	0.00	12/15/2023				No	0
100-006-520200 Office Supplies				2024 CALENDAR					
*** 37597	11/28/2023	9.99	0.00	12/15/2023				No	0
100-793-520200 Office Supplies				2024 CALENDAR					
*** 37597	11/28/2023	11.75	0.00	12/15/2023				No	0
223-023-520200 Office Supplies				2024 CALENDAR					
*** 37597	11/28/2023	9.79	0.00	12/15/2023				No	0
231-029-520200 Office Supplies				2024 CALENDAR					
37597 Total:		103.91							
*** 37598	11/28/2023	24.36	0.00	12/15/2023				No	0
100-004-520200 Office Supplies				2024 CALENDAR					
*** 37598	11/28/2023	6.39	0.00	12/15/2023				No	0
100-004-520200 Office Supplies				2024 CALENDAR					
*** 37598	11/28/2023	6.89	0.00	12/15/2023				No	0
100-007-520200 Office Supplies				2024 CALENDAR					
37598 Total:		37.64							
Will Harms Co Total:		141.55							
Willmert, Brian									
12133									
EXPENSE-1223	12/13/2023	29.54	0.00	12/15/2023				No	0
100-761-520200 Office Supplies				VELCRO DOTS FOR MAILBOX TAGS 12/01/23					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
	EXPENSE-1223 Total:	29.54							
	Willmert, Brian Total:	29.54							
WSWT-FM									
13796									
6331991	11/30/2023	470.00	0.00	12/15/2023				No	0
208-208-560500 Consulting Services				WXCL RADIO TIME 11/29-11/30/23					
	6331991 Total:	470.00							
6331992	12/3/2023	185.00	0.00	12/15/2023				No	0
208-208-560500 Consulting Services				WXCL RADIO TIME 12/01/23					
	6331992 Total:	185.00							
6332001	11/30/2023	433.00	0.00	12/15/2023				No	0
208-208-560500 Consulting Services				WSWT RADIO TIME 11/29-11/30/23					
	6332001 Total:	433.00							
6332002	12/3/2023	222.00	0.00	12/15/2023				No	0
208-208-560500 Consulting Services				WSWT RADIO TIME 12/01/23					
	6332002 Total:	222.00							
	WSWT-FM Total:	1,310.00							
	Report Total:	179,906.12							

Accounts Payable

To Be Paid Proof List

User: cmbodine@ci.pekin.il.us
Printed: 12/20/2023 - 7:48AM
Batch: 00015.12.2023 - CMB_2023-12-22



City Of Pekin
111 S. Capitol
Pekin, IL 61554

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description				Reference				
Amazon Capital Services									
10020									
1KKY773X3P9V	10/1/2023	9.77	0.00	12/22/2023				No	0
100-034-519000 Training And Education				BOOK FOR TRAINING					
	1KKY773X3P9V Total:	9.77							
	Amazon Capital Services T	9.77							
Atlas Supply Company									
10038									
3622601	12/14/2023	149.98	0.00	12/22/2023				No	0
100-034-522400 General Supplies				TRUCK WASH					
	3622601 Total:	149.98							
	Atlas Supply Company Tot	149.98							
Comcast Cable									
11073									
*** 203130001183	12/2/2023	227.23	0.00	12/22/2023				No	0
100-990-569000 Other Contractual Service				111 S CAPITOL 12/08/23 TO 01/07/24					
	203130001183 Total:	227.23							
	Comcast Cable Total:	227.23							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
Constellation Newenergy/Gas Division									
13810									
*** 3911954	12/13/2023	1,336.79	0.00	12/22/2023				No	0
100-032-550100 Utilities				11/23 - 1208 KOCH - GAS/ELEC					
*** 3911954	12/13/2023	198.39	0.00	12/22/2023				No	0
100-034-550100 Utilities				11/23 - 1000 N 14TH - GAS					
*** 3911954	12/13/2023	301.91	0.00	12/22/2023				No	0
100-034-550100 Utilities				11/23 - 3232 COURT - GAS/ELEC					
*** 3911954	12/13/2023	257.91	0.00	12/22/2023				No	0
100-034-550100 Utilities				11/23 - 272 DERBY - GAS					
*** 3911954	12/13/2023	503.56	0.00	12/22/2023				No	0
100-068-550100 Utilities				11/23 - 1130 KOCH ST GARAGE - GAS					
*** 3911954	12/13/2023	644.60	0.00	12/22/2023				No	0
100-068-550100 Utilities				11/23 - 111 S CAPITOL ST - GAS					
*** 3911954	12/13/2023	577.66	0.00	12/22/2023				No	0
100-068-550100 Utilities				11/23 - 1130 KOCH ST UNIT A - GAS/ELEC					
*** 3911954	12/13/2023	7,304.58	0.00	12/22/2023				No	0
231-031-550100 Utilities				11/23 - 606 S FRONT ST - GAS/ELEC					
*** 3911954	12/13/2023	303.31	0.00	12/22/2023				No	0
231-031-550100 Utilities				11/23 - 1508 EDGEWATER - GAS/ELEC					
*** 3911954	12/13/2023	435.54	0.00	12/22/2023				No	0
501-501-550100 Utilities				11/23 - 1130 KOCH UNIT B - ELEC					
*** 3911954	12/13/2023	190.03	0.00	12/22/2023				No	0
501-501-550100 Utilities				11/23 - 1130 KOCH ST - GAS					
*** 3911954	12/13/2023	157.34	0.00	12/22/2023				No	0
525-525-550100 Utilities				11/23 - 13906 AIRPORT LN UNIT C					
*** 3911954	12/13/2023	569.38	0.00	12/22/2023				No	0
525-525-550100 Utilities				11/23 - 13907 AIRPORT LN - GAS					
*** 3911954	12/13/2023	190.03	0.00	12/22/2023				No	0
699-069-550100 Utilities				11/23 - 1130 KOCH ST - GAS					
3911954 Total:		12,971.03							
Constellation Newenergy/G		12,971.03							
Conway Shield									
14482									
515244	12/6/2023	60.25	0.00	12/22/2023				No	0

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
100-034-529000 Equipment				NAME TAGS FOR NH SUTTLES					
515244 Total:		60.25							
515254	12/6/2023	880.00	0.00	12/22/2023				No	0
100-034-534000 Automotive Expense				WATER VALVES FOR NEW ENG 3					
515254 Total:		880.00							
515281	12/6/2023	180.29	0.00	12/22/2023				No	0
100-034-529000 Equipment				SCBA BRACKETS FOR TRUCKS					
515281 Total:		180.29							
515630	12/12/2023	1,985.00	0.00	12/22/2023				No	0
100-034-529000 Equipment				HOSE EQUIPMENT					
515630 Total:		1,985.00							
515741	12/14/2023	251.50	0.00	12/22/2023				No	0
100-034-518900 Uniform Allowance				UNIFORM FOR NH SUTTLES					
515741 Total:		251.50							
515750	12/14/2023	120.11	0.00	12/22/2023				No	0
100-034-529000 Equipment				COUPLINGS					
515750 Total:		120.11							
515757	12/14/2023	65.25	0.00	12/22/2023				No	0
100-034-529000 Equipment				NEW ENG 3 - PLUG FOR FLASHLIGHT					
515757 Total:		65.25							
Conway Shield Total:		3,542.40							
Dinges Fire Company									
12462									
47756	12/7/2023	152.00	0.00	12/22/2023				No	0
100-034-534400 Equipment Repairs				AMKUS REPAIR					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
	47756 Total:	152.00							
48101	12/15/2023	253.74	0.00	12/22/2023				No	0
100-034-529000 Equipment				EXTRICATION TOOL CARRYING STRAP					
	48101 Total:	253.74							
	Dinges Fire Company Tota	405.74							
Herr Petroleum Corporation 12712									
*** D41293	12/15/2023	10,392.14	0.00	12/22/2023				No	0
699-000-160100 Fuel Inventory				DIESEL 3000 GAL @ 3.46/GAL					
*** D41293	12/15/2023	7,510.34	0.00	12/22/2023				No	0
699-000-160100 Fuel Inventory				REG N/L 3000 GAL @ 2.50/GAL					
	D41293 Total:	17,902.48							
	Herr Petroleum Corporatio	17,902.48							
IL American Water 10291									
*** 210001171146	12/11/2023	366.21	0.00	12/22/2023				No	0
100-068-550100 Utilities				BUS 6 9-1-1 - NOV 08 TO DEC 07					
	210001171146 Total:	366.21							
2100037550453	12/12/2023	25.37	0.00	12/22/2023				No	0
100-068-550100 Utilities				VALLA VISTA HYDRANT - NOV 10 TO DEC 11					
	2100037550453 Total:	25.37							
*** 220001944051	12/11/2023	144.33	0.00	12/22/2023				No	0
100-068-550100 Utilities				BUS DEPT MAINT. SHOP - NOV 08 TO DEC 07					
	220001944051 Total:	144.33							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description			Reference					
IL American Water Total:		535.91							
Illinois Fire Inspectors Association 11328									
24080	11/15/2023	100.00	0.00	12/22/2023				No	0
100-034-551600 Dues And Subscriptions				IL FIRE INSPECTORS MEMBERSHIP - PETERSON					
24080 Total:		100.00							
Illinois Fire Inspectors Ass		100.00							
Linde Gas & Equipment 10518									
39891031	12/7/2023	392.37	0.00	12/22/2023				No	0
100-034-524000 Lease/rental Of Equipment				O2					
39891031 Total:		392.37							
Linde Gas & Equipment To		392.37							
Macqueen Emergency 10230									
P02186	12/7/2023	154.19	0.00	12/22/2023				No	0
100-034-534000 Automotive Expense				ENG 3					
P02186 Total:		154.19							
P02207	12/18/2023	856.57	0.00	12/22/2023				No	0
100-034-534000 Automotive Expense				LI REPAIRS					
P02207 Total:		856.57							
Macqueen Emergency Tota		1,010.76							

Martin, Matt

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
11687									
EXPENSE-0124	12/19/2023	265.50	0.00	12/22/2023				No	0
100-034-519000 Training And Education				ADVANCED FIRE OFFICER TRAINING 01/08-01/12/23					
	EXPENSE-0124 Total:	265.50							
	Martin, Matt Total:	265.50							
McKesson Medical-Surgical Inc. MMSGS									
10431									
21453524	12/13/2023	2,685.18	0.00	12/22/2023				No	0
261-319-511200 Public Serv Activity/Delivery				EMERGENCY MEDICAL SUPPLIES					
	21453524 Total:	2,685.18							
	McKesson Medical-Surgic	2,685.18							
McMillan, Sue									
10407									
EXPENSE-1223	12/19/2023	15.00	0.00	12/22/2023				No	0
100-004-519000 Training And Education				CENTRAL IL MUNICIPAL CLERKS ASSN 12/06/23					
	EXPENSE-1223 Total:	15.00							
	McMillan, Sue Total:	15.00							
Menards									
10414									
61332	10/17/2023	163.64	0.00	12/22/2023				No	0
100-034-522400 General Supplies				BINS, WASHERS, CLOTHS, SILICONE					
	61332 Total:	163.64							
65188	12/5/2023	137.24	0.00	12/22/2023				No	0
100-034-529000 Equipment				DRILL BITS, TV MOUNTS					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description			Reference		
	65188 Total:	137.24							
65326	12/7/2023	77.45	0.00	12/22/2023				No	0
100-034-522400 General Supplies				NUTS, BOLTS, WASHERS, CARRY STRAPS, MAT					
	65326 Total:	77.45							
*** 65634	12/12/2023	64.95	0.00	12/22/2023				No	0
100-034-522400 General Supplies				CORD HIDERS FOR WALL					
*** 65634	12/12/2023	25.98	0.00	12/22/2023				No	0
100-034-529000 Equipment				MONITOR WALL MOUNTS					
	65634 Total:	90.93							
65648	12/15/2023	23.92	0.00	12/22/2023				No	0
100-068-534200 Buildings And Grounds Rep				SPRAY PAINT CITY HALL					
	65648 Total:	23.92							
65722	12/13/2023	24.00	0.00	12/22/2023				No	0
100-034-529000 Equipment				MONITOR WALL MOUNTS					
	65722 Total:	24.00							
65723	12/13/2023	32.93	0.00	12/22/2023				No	0
100-034-522400 General Supplies				TRASH CAN, GLOVES					
	65723 Total:	32.93							
65858	12/15/2023	79.16	0.00	12/22/2023				No	0
100-068-534200 Buildings And Grounds Rep				STATE ST FENCE LIFT STATION					
	65858 Total:	79.16							
	Menards Total:	629.27							
NAPA Auto Parts of Pekin 10441									
559086	12/14/2023	15.99	0.00	12/22/2023				No	0
100-068-534200 Buildings And Grounds Rep				BELT 9-1-1 AIR HANDLER					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number	Description			Reference					
559086 Total:		15.99							
NAPA Auto Parts of Pekin		15.99							
Sam Harris Clothing 10563									
12016402	4/24/2023	59.95	0.00	12/22/2023				No	0
100-034-518900 Uniform Allowance				BURNS - UNIFORM PIECE					
12016402 Total:		59.95							
122135	10/5/2023	552.00	0.00	12/22/2023				No	0
100-034-518900 Uniform Allowance				OFFICE POLOS					
122135 Total:		552.00							
Sam Harris Clothing Total:		611.95							
Stewart, Nicole 13588									
EXPENSE-1223	12/19/2023	70.94	0.00	12/22/2023				No	0
100-004-519000 Training And Education				CIMCO DECEMBER MEETING 12/06/23					
EXPENSE-1223 Total:		70.94							
Stewart, Nicole Total:		70.94							
Supreme Radio Communications, Inc 12353									
185837	12/6/2023	688.26	0.00	12/22/2023				No	0
100-034-534000 Automotive Expense				NEW ENG 3 RADIO INSTALL					
185837 Total:		688.26							
Supreme Radio Communic		688.26							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			
Tazewell County Recorder 11172									
12182023	12/19/2023	237.00	0.00	12/22/2023				No	0
231-029-593300 Lien Filing Fee				FILING 4, RELEASE 1 WASTEWATER					
12182023 Total:		237.00							
Tazewell County Recorder		237.00							
Third Millennium Associates, Inc. 11953									
*** 30735	11/30/2023	2,169.59	0.00	12/22/2023				No	0
223-023-569000 Other Contractual Service				MONTHLY GREEN PAY SERVER FEES - NOV 2023					
*** 30735	11/30/2023	2,169.59	0.00	12/22/2023				No	0
231-029-569000 Other Contractual Service				MONTHLY GREEN PAY SERVER FEES - NOV 2023					
30735 Total:		4,339.18							
Third Millennium Associat		4,339.18							
Visa (business) 11433									
*** 4890-1223	12/1/2023	65.65	0.00	12/22/2023				No	0
100-006-599000 Miscellaneous				FINANCE CHARGES					
4890-1223 Total:		65.65							
*** 4924-1223	12/1/2023	682.84	0.00	12/22/2023				No	0
100-068-550100 Utilities				11/28 IL AMERICAN WATER CO - 210002282773					
*** 4924-1223	12/1/2023	907.98	0.00	12/22/2023				No	0
100-763-522000 Photographic Supplies				11/29 PEORIA CAMERA - INVES. PHOTO SUPPLIES					
*** 4924-1223	12/1/2023	230.00	0.00	12/22/2023				No	0
100-766-519000 Training And Education				12/01 INT'L CODE COUNCIL - TRAIN. REGISTRATION					
*** 4924-1223	12/1/2023	212.84	0.00	12/22/2023				No	0
231-031-550100 Utilities				11/28 IL AMERICAN WATER CO - 210004789874					

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description	Reference				
4924-1223 Total:		2,033.66							
*** 4932-1223	12/1/2023	212.48	0.00	12/22/2023				No	0
501-501-529000 Equipment				11/27 BEST BUY - TV'S FOR BUS DEPT					
*** 4932-1223	12/1/2023	9.00	0.00	12/22/2023				No	0
501-501-557200 License And Inspection Fees				11/29 IL SEC. OF STATE - SCHOOL BUS PERMITS					
*** 4932-1223	12/1/2023	37.00	0.00	12/22/2023				No	0
501-501-557200 License And Inspection Fees				11/07 IL SEC. OF STATE - SCHOOL BUS PERMITS					
*** 4932-1223	12/1/2023	153.27	0.00	12/22/2023				No	0
501-501-599000 Miscellaneous				11/22 PC NAMETAG - MISC EMPLOY. APPRECIATION					
4932-1223 Total:		411.75							
*** 5388-1123	11/24/2023	299.00	0.00	12/22/2023				No	0
100-034-529000 Equipment				11/15 1ST ARRIVING IO/STICKER E. SIDE BAY					
*** 5388-1123	11/24/2023	308.00	0.00	12/22/2023				No	0
100-034-529000 Equipment				10/31 PAYPAL-MCT/POWER CHGR FOR NEW ENG					
*** 5388-1123	11/24/2023	41.00	0.00	12/22/2023				No	0
100-034-557200 License And Inspection Fees				10/31 IDPH/PARAMEDIC LICENSE GRANDY					
*** 5388-1123	11/24/2023	90.18	0.00	12/22/2023				No	0
100-034-598100 Public Relations				11/7 SCHNUCKS/MF RETIREMENT B'FAST					
*** 5388-1123	11/24/2023	29.44	0.00	12/22/2023				No	0
100-034-598100 Public Relations				10/28 TADDOUGHS/DONUTS FOR NH TESTING					
5388-1123 Total:		767.62							
Visa (business) Total:		3,278.68							
Williams, Eldonna									
15088									
12192023	12/19/2023	750.00	0.00	12/22/2023				No	0
231-030-569000 Other Contractual Service				BACKWATER VALVE PROGRAM - 1705 BROADWAY					
12192023 Total:		750.00							
Williams, Eldonna Total:		750.00							

Invoice Number	Invoice Date	Amount	Quantity	Payment Date	Task Label	Type	PO #	Close PO	Line #
Account Number				Description		Reference			

Report Total:	50,834.62
---------------	-----------



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
208	Tourism					
208-208-411005	Home Rule Motel Tax	\$ 360,000.00	\$ 12,499.98	\$ 236,647.29	\$ 123,352.71	65.74%
	Taxes	\$ 360,000.00	\$ 12,499.98	\$ 236,647.29	\$ 123,352.71	65.74%
208-208-442500	Federal Grants	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-463500	Late Payment Penalty	\$ 4,500.00	\$ -	\$ 190.87	\$ 4,309.13	4.24%
208-208-463600	Interest Charges	\$ 1,600.00	\$ -	\$ 38.17	\$ 1,561.83	2.39%
	Fines And Forfeitures	\$ 6,100.00	\$ -	\$ 229.04	\$ 5,870.96	3.75%
208-208-490100	Interest Earnings	\$ 800.00	\$ 7.79	\$ 220.95	\$ 579.05	27.62%
	Investment Earnings	\$ 800.00	\$ 7.79	\$ 220.95	\$ 579.05	27.62%
208-208-493600	Training Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-498700	Farmer's Market Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-499201	Tourism Contributions	\$ -	\$ 2,500.00	\$ 3,500.00	\$ (3,500.00)	0.00%
208-208-499800	Miscellaneous Receipts	\$ 2,500.00	\$ -	\$ -	\$ 2,500.00	0.00%
	Other Revenue	\$ 2,500.00	\$ 2,500.00	\$ 3,500.00	\$ (1,000.00)	140.00%
208-208-492100	Loan Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-511600	Salary: All Personnel	\$ 12,261.00	\$ 1,009.55	\$ 7,345.52	\$ 4,915.48	59.91%
208-208-515000	Overtime	\$ -	\$ -	\$ 0.39	\$ (0.39)	0.00%
208-208-515500	Vacation Pay	\$ 1,300.00	\$ 114.95	\$ 776.34	\$ 523.66	59.72%
208-208-515600	Holiday Pay	\$ 400.00	\$ 77.56	\$ 167.27	\$ 232.73	41.82%
208-208-515800	Sick Pay	\$ 75.00	\$ 40.45	\$ 94.12	\$ (19.12)	125.49%
208-208-516700	Wellness Program	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-517000	Oasdi/city Share 6.2%	\$ 870.00	\$ 80.36	\$ 475.64	\$ 394.36	54.67%
208-208-517001	Medicare/city Share 1.45%	\$ 204.00	\$ 17.74	\$ 110.36	\$ 93.64	54.10%
208-208-517401	IMRF	\$ 1,020.00	\$ 90.42	\$ 486.60	\$ 533.40	47.71%
208-208-518000	Group Insurance	\$ 2,400.00	\$ 171.95	\$ 983.61	\$ 1,416.39	40.98%
208-208-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ 18,530.00	\$ 1,602.98	\$ 10,439.85	\$ 8,090.15	56.34%
208-208-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-520200	Office Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-520400	Postage	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-598505	Special Events	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-551600	Dues And Subscriptions	\$ 47,500.00	\$ -	\$ 47,500.00	\$ -	100.00%
208-208-559900	Receivable Charge Off	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-560500	Consulting Services	\$ 76,000.00	\$ 3,727.85	\$ 45,969.09	\$ 30,030.91	60.49%
208-208-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-569000	Other Contractual Service	\$ -	\$ 918.79	\$ 2,457.86	\$ (2,457.86)	0.00%
208-208-573100	Grants	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-583000	Loan Agreements	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
208-208-591200	Developer Agreement Paym	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-598100	Public Relations	\$ -	\$ -	\$ 394.94	\$ (394.94)	0.00%
	Contractual Services	\$ 123,500.00	\$ 4,646.64	\$ 96,321.89	\$ 27,178.11	77.99%
208-208-580201	Land Improvements	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-590600	Bank fees	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-597700	Sponsorships	\$ 74,000.00	\$ 296.80	\$ 19,296.80	\$ 54,703.20	26.08%
208-208-598500	Farmer's Market Expense	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	0.00%
208-208-599000	Miscellaneous	\$ -	\$ -	\$ 8,852.85	\$ (8,852.85)	0.00%
	Other Expenditures	\$ 84,000.00	\$ 296.80	\$ 28,149.65	\$ 55,850.35	33.51%
208-208-590400	Interest Paid	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-591400	Loan Payments	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Service	\$ -	\$ -	\$ -	\$ -	0.00%
208-208-520277	Transfer to BDD	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
208	Tourism	\$ 143,370.00	\$ 8,461.35	\$ 105,685.89	\$ 37,684.11	73.72%
208	Tourism	\$ 143,370.00	\$ 8,461.35	\$ 105,685.89	\$ 37,684.11	73.72%
223	Solid Waste					
223-023-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-452300	Garbage Fees	\$ -	\$ 1,590.00	\$ 13,150.00	\$ (13,150.00)	0.00%
223-023-452400	Garbage Fees Non-resident	\$ -	\$ 60.00	\$ 390.00	\$ (390.00)	0.00%
223-023-459000	Sanitation Fee	\$ 2,832,062.00	\$ 236,176.59	\$ 1,891,570.15	\$ 940,491.85	66.79%
223-023-459400	Special Refuse Pickups	\$ 3,000.00	\$ 248.00	\$ 2,089.36	\$ 910.64	69.65%
223-023-498900	Non Sufficient Funds Fee	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ 2,835,062.00	\$ 238,074.59	\$ 1,907,199.51	\$ 927,862.49	67.27%
223-023-421000	Garbage Licenses	\$ -	\$ -	\$ -	\$ -	0.00%
	Licenses And Permits	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-490100	Interest Earnings	\$ 1,500.00	\$ 8.55	\$ 50.78	\$ 1,449.22	3.39%
	Investment Earnings	\$ 1,500.00	\$ 8.55	\$ 50.78	\$ 1,449.22	3.39%
223-023-491000	Rental Of Municipal Propert	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-491500	Sale Of Municipal Property	\$ 50,000.00	\$ 2,400.00	\$ 27,730.00	\$ 22,270.00	55.46%
223-023-495600	Insurance Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-499700	Transfer In	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-499800	Miscellaneous Receipts	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
223-023-499802	Cash Over/short	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ 51,000.00	\$ 2,400.00	\$ 27,730.00	\$ 23,270.00	54.37%
223-023-492000	Bond Proceeds - Principal	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
223-023-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-511600	Salary: All Personnel	\$ 595,509.00	\$ 56,423.54	\$ 339,676.06	\$ 255,832.94	57.04%
223-023-511601	Admin Cost Allocation	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-515000	Overtime	\$ 30,000.00	\$ 5,820.52	\$ 25,236.25	\$ 4,763.75	84.12%
223-023-515500	Vacation Pay	\$ 30,946.00	\$ 1,840.63	\$ 13,673.10	\$ 17,272.90	44.18%
223-023-515600	Holiday Pay	\$ 26,000.00	\$ 2,820.24	\$ 10,352.62	\$ 15,647.38	39.82%
223-023-515800	Sick Pay	\$ 12,106.00	\$ 1,949.04	\$ 6,620.49	\$ 5,485.51	54.69%
223-023-515900	Compensated Absences	\$ 9,000.00	\$ -	\$ 707.04	\$ 8,292.96	7.86%
223-023-516700	Wellness Program	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-517000	Oasdi/city Share 6.2%	\$ 42,944.00	\$ 4,205.76	\$ 23,681.37	\$ 19,262.63	55.14%
223-023-517001	Medicare/city Share 1.45%	\$ 10,146.00	\$ 982.50	\$ 5,537.07	\$ 4,608.93	54.57%
223-023-517401	IMRF	\$ 64,006.00	\$ 4,999.64	\$ 28,389.63	\$ 35,616.37	44.35%
223-023-518000	Group Insurance	\$ 183,055.00	\$ 14,264.64	\$ 114,197.66	\$ 68,857.34	62.38%
223-023-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-518300	Workers Comp Insurance	\$ 40,000.00	\$ -	\$ -	\$ 40,000.00	0.00%
223-023-554300	Uniforms And Tools	\$ 3,300.00	\$ 900.00	\$ 4,848.61	\$ (1,548.61)	146.93%
223-023-559000	Medical Expense/supplies	\$ 500.00	\$ -	\$ 74.00	\$ 426.00	14.80%
	Personnel	\$ 1,047,512.00	\$ 94,206.31	\$ 572,993.90	\$ 474,518.10	54.70%
223-023-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-520200	Office Supplies	\$ 300.00	\$ 11.75	\$ 34.47	\$ 265.53	11.49%
223-023-520400	Postage	\$ 28,000.00	\$ 3,036.31	\$ 26,047.70	\$ 1,952.30	93.03%
223-023-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-522400	General Supplies	\$ 2,000.00	\$ 204.00	\$ 1,185.43	\$ 814.57	59.27%
223-023-529000	Equipment	\$ 65,000.00	\$ 251.76	\$ 14,134.72	\$ 50,865.28	21.75%
223-023-556100	Gasoline/diesel Fuel	\$ 110,000.00	\$ 16,782.13	\$ 132,700.92	\$ (22,700.92)	120.64%
	Supplies & Materials	\$ 205,300.00	\$ 20,285.95	\$ 174,103.24	\$ 31,196.76	84.80%
223-023-518100	Liability Insurance Premium	\$ 28,500.00	\$ -	\$ -	\$ 28,500.00	0.00%
223-023-524000	Lease/rental Of Equipment	\$ -	\$ -	\$ 1,200.00	\$ (1,200.00)	0.00%
223-023-534000	Automotive Expense	\$ 150,000.00	\$ 11,573.11	\$ 102,549.70	\$ 47,450.30	68.37%
223-023-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-538000	Maintenance Agreements	\$ 1,500.00	\$ -	\$ 1,214.32	\$ 285.68	80.95%
223-023-550100	Utilities	\$ 600.00	\$ -	\$ -	\$ 600.00	0.00%
223-023-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-551600	Dues And Subscriptions	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-555000	Radio Expense	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
223-023-559900	Bad debt	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-560100	Auditing Fees	\$ 1,400.00	\$ 2,728.29	\$ 5,153.29	\$ (3,753.29)	368.09%
223-023-561000	legal fees	\$ 800.00	\$ -	\$ -	\$ 800.00	0.00%
223-023-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-566400	Garbage Removal Contract	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-566500	Landfill Expense	\$ 650,000.00	\$ 54,496.49	\$ 407,284.06	\$ 242,715.94	62.66%
223-023-566600	Pest Control	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-569000	Other Contractual Service	\$ 50,000.00	\$ 9,746.29	\$ 38,489.35	\$ 11,510.65	76.98%
223-023-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 883,300.00	\$ 78,544.18	\$ 555,890.72	\$ 327,409.28	62.93%
223-023-587000	Machinery And Equipment	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
223-023-587001	Lease/Purchase Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-587100	Office Equipment & Furnitu	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-599998	Capital Set Aside	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-551000	Printing And Publications	\$ 5,000.00	\$ 210.00	\$ 5,255.00	\$ (255.00)	105.10%
223-023-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-557200	License And Inspection Fees	\$ 500.00	\$ -	\$ 586.00	\$ (86.00)	117.20%
223-023-590600	Bank/Credit Card Fees	\$ 15,000.00	\$ 1,434.14	\$ 12,212.49	\$ 2,787.51	81.42%
223-023-599000	Miscellaneous	\$ 100.00	\$ -	\$ -	\$ 100.00	0.00%
223-023-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-599999	Contingency	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 20,600.00	\$ 1,644.14	\$ 18,053.49	\$ 2,546.51	87.64%
223-023-599905	OPEB Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-599906	IMRF Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Benefit Payments	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-590400	Interest Paid	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-591000	Bond Principal Retired	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Service	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-520100	Transfer To General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
223-023-520231	Transfer to Sewerage Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
023	Garbage	\$ 730,850.00	\$ 45,802.56	\$ 613,938.94	\$ 116,911.06	84.00%
223-025-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-511600	Salary: All Personnel	\$ 120,000.00	\$ 19,502.52	\$ 112,825.84	\$ 7,174.16	94.02%
223-025-515000	Overtime	\$ 8,500.00	\$ 2,165.31	\$ 6,175.55	\$ 2,324.45	72.65%
223-025-515500	Vacation Pay	\$ 2,500.00	\$ -	\$ 4,036.02	\$ (1,536.02)	161.44%
223-025-515600	Holiday Pay	\$ 4,214.00	\$ 707.04	\$ 3,770.88	\$ 443.12	89.48%
223-025-515800	Sick Pay	\$ 3,563.00	\$ 1,001.64	\$ 6,572.32	\$ (3,009.32)	184.46%
223-025-515900	Compensated Absences	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
223-025-517000	Oasdi/city Share 6.2%	\$ 8,525.00	\$ 1,440.08	\$ 8,077.27	\$ 447.73	94.75%
223-025-517001	Medicare/city Share 1.45%	\$ 2,110.00	\$ 336.80	\$ 1,888.95	\$ 221.05	89.52%
223-025-517401	IMRF	\$ 12,649.00	\$ 1,699.48	\$ 9,696.80	\$ 2,952.20	76.66%
223-025-518000	Group Insurance	\$ 48,350.00	\$ 4,394.26	\$ 35,224.40	\$ 13,125.60	72.85%
223-025-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-554300	Uniforms And Tools	\$ 1,250.00	\$ 450.00	\$ 1,650.00	\$ (400.00)	132.00%
223-025-559000	Medical Expense/supplies	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
	Personnel	\$ 213,161.00	\$ 31,697.13	\$ 189,918.03	\$ 23,242.97	89.10%
223-025-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-520200	Office Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-520400	Postage	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-522400	General Supplies	\$ -	\$ -	\$ 232.08	\$ (232.08)	0.00%
223-025-529000	Equipment	\$ -	\$ -	\$ 13,374.33	\$ (13,374.33)	0.00%
223-025-556100	Gasoline/diesel Fuel	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00	0.00%
	Supplies & Materials	\$ 20,000.00	\$ -	\$ 13,606.41	\$ 6,393.59	68.03%
223-025-518100	Liability Insurance Premium	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-524000	Lease/rental Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-534000	Automotive Expense	\$ 25,000.00	\$ -	\$ 1,973.55	\$ 23,026.45	7.89%
223-025-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-551600	Dues And Subscriptions	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-555000	Radio Expense	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
223-025-560500	Consulting Services	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-566501	Compost Site Expense	\$ 100,000.00	\$ 16,222.12	\$ 58,837.57	\$ 41,162.43	58.84%
223-025-569000	Other Contractual Service	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 125,500.00	\$ 16,222.12	\$ 60,811.12	\$ 64,688.88	48.46%
223-025-587000	Machinery And Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-587001	Lease/Purchase Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-587100	Office Equipment & Furnitu	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-551000	Printing And Publications	\$ 300.00	\$ -	\$ 361.00	\$ (61.00)	120.33%
223-025-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
223-025-557200	License And Inspection Fees	\$ 50.00	\$ -	\$ -	\$ 50.00	0.00%
223-025-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 350.00	\$ -	\$ 361.00	\$ (11.00)	103.14%
025	Yardwaste	\$ (359,011.00)	\$ (47,919.25)	\$ (264,696.56)	\$ (94,314.44)	73.73%
223-026-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-442700	County Grants	\$ 70,000.00	\$ -	\$ 70,651.00	\$ (651.00)	100.93%
	Intergovernmental	\$ 70,000.00	\$ -	\$ 70,651.00	\$ (651.00)	100.93%
223-026-459000	Recycling Revenue	\$ 288.00	\$ -	\$ 288.00	\$ -	100.00%
223-026-491500	Sale of Municipal Property	\$ 12,000.00	\$ 440.00	\$ 3,840.00	\$ 8,160.00	32.00%
223-026-495600	Insurance Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ 12,288.00	\$ 440.00	\$ 4,128.00	\$ 8,160.00	33.59%
223-026-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
223-026-511600	Salary: All Personnel	\$ 103,382.00	\$ 11,725.08	\$ 73,412.16	\$ 29,969.84	71.01%
223-026-515000	Overtime	\$ 6,500.00	\$ 1,649.76	\$ 5,037.66	\$ 1,462.34	77.50%
223-026-515500	Vacation Pay	\$ 3,820.00	\$ 1,649.76	\$ 4,301.16	\$ (481.16)	112.60%
223-026-515600	Holiday Pay	\$ 3,804.00	\$ 471.36	\$ 2,592.48	\$ 1,211.52	68.15%
223-026-515800	Sick Pay	\$ 2,365.00	\$ 294.60	\$ 1,119.48	\$ 1,245.52	47.34%
223-026-515900	Compensated Absences	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	0.00%
223-026-517000	Oasdi/city Share 6.2%	\$ 7,444.00	\$ 975.11	\$ 5,259.49	\$ 2,184.51	70.65%
223-026-517001	Medicare/city Share 1.45%	\$ 1,820.00	\$ 228.05	\$ 1,230.00	\$ 590.00	67.58%
223-026-517401	IMRF	\$ 10,939.00	\$ 1,147.98	\$ 6,285.86	\$ 4,653.14	57.46%
223-026-518000	Group Insurance	\$ 28,225.00	\$ 2,660.96	\$ 20,033.92	\$ 8,191.08	70.98%
223-026-518300	Workers Comp Insurance	\$ 7,000.00	\$ -	\$ -	\$ 7,000.00	0.00%
223-026-554300	Uniforms And Tools	\$ 1,200.00	\$ 300.00	\$ 1,100.00	\$ 100.00	91.67%
223-026-559000	Medical Expense/supplies	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ 178,499.00	\$ 21,102.66	\$ 120,372.21	\$ 58,126.79	67.44%
223-026-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-520200	Office Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-520400	Postage	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-522400	General Supplies	\$ 100.00	\$ -	\$ 125.00	\$ (25.00)	125.00%
223-026-529000	Equipment	\$ -	\$ -	\$ 5,099.34	\$ (5,099.34)	0.00%
223-026-556100	Gasoline/diesel Fuel	\$ 20,000.00	\$ 1,112.08	\$ 15,514.19	\$ 4,485.81	77.57%
	Supplies & Materials	\$ 20,100.00	\$ 1,112.08	\$ 20,738.53	\$ (638.53)	103.18%
223-026-518100	Liability Insurance Premium	\$ 2,600.00	\$ -	\$ -	\$ 2,600.00	0.00%
223-026-524000	Lease/rental Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-534000	Automotive Expense	\$ 25,000.00	\$ 4,820.28	\$ 17,347.06	\$ 7,652.94	69.39%
223-026-534400	Equipment Repairs	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
223-026-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-551600	Dues And Subscriptions	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-555000	Radio Expense	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
223-026-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-566502	Recycling Expense	\$ 80,000.00	\$ 6,020.85	\$ 43,885.32	\$ 36,114.68	54.86%
223-026-569000	Other Contractual Service	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-592000	Community Education	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-598200	Grant Expenses	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 108,600.00	\$ 10,841.13	\$ 61,232.38	\$ 47,367.62	56.38%
223-026-587000	Machinery And Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-587001	Lease/Purchase Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-587100	Office Equipment & Furnitu	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-550100	Utilities	\$ 600.00	\$ 61.42	\$ 333.00	\$ 267.00	55.50%
223-026-551000	Printing And Publications	\$ -	\$ -	\$ 85.00	\$ (85.00)	0.00%
223-026-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
223-026-557200	License And Inspection Fees	\$ 200.00	\$ -	\$ -	\$ 200.00	0.00%
223-026-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 800.00	\$ 61.42	\$ 418.00	\$ 382.00	52.25%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
026	Recycling	\$ (225,711.00)	\$ (32,677.29)	\$ (127,982.12)	\$ (97,728.88)	56.70%
223	Solid Waste	\$ 146,128.00	\$ (34,793.98)	\$ 221,260.26	\$ (75,132.26)	151.42%
231	Sewerage					
231-029-442500	Federal Grants	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-442505	Build America Rebates	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-452000	Sewage Treatment - N Pekin	\$ 57,565.00	\$ -	\$ 57,564.84	\$ 0.16	100.00%
231-029-452900	Sewer Connection Fees	\$ -	\$ -	\$ 4,910.00	\$ (4,910.00)	0.00%
231-029-458400	Vactor Disposal Fees	\$ -	\$ 52,068.63	\$ 60,501.63	\$ (60,501.63)	0.00%
231-029-459100	Basic Sewer Service Fees	\$ 6,300,000.00	\$ 497,114.82	\$ 4,275,606.64	\$ 2,024,393.36	67.87%
231-029-459200	Surcharge	\$ 25,000.00	\$ 1,339.28	\$ 17,469.75	\$ 7,530.25	69.88%
231-029-459300	Capital Replacement Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-494100	City Property Dmg Reimb	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-498900	Non Sufficient Funds Fee	\$ 3,000.00	\$ 300.00	\$ 3,100.00	\$ (100.00)	103.33%
	Fees/Charges For Service	\$ 6,385,565.00	\$ 550,822.73	\$ 4,419,152.86	\$ 1,966,412.14	69.21%
231-029-420900	Sewer Contractors License	\$ 2,000.00	\$ -	\$ 1,200.00	\$ 800.00	60.00%
231-029-427200	Sewer Permits	\$ 5,000.00	\$ 495.00	\$ 8,980.00	\$ (3,980.00)	179.60%
	Licenses And Permits	\$ 7,000.00	\$ 495.00	\$ 10,180.00	\$ (3,180.00)	145.43%
231-029-490100	Interest Earnings	\$ 5,000.00	\$ 47,900.64	\$ 409,563.34	\$ (404,563.34)	8191.27%
231-029-490101	Interest Income - UNUSED	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-490110	Ww Finance Charge	\$ 300,000.00	\$ 11,198.65	\$ 157,224.67	\$ 142,775.33	52.41%
231-029-490300	Court Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-491900	Incr/decr Investment Valu	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ 305,000.00	\$ 59,099.29	\$ 566,788.01	\$ (261,788.01)	185.83%
231-029-490500	Lien File & Release Fees	\$ 10,000.00	\$ 359.40	\$ 2,396.00	\$ 7,604.00	23.96%
231-029-490550	Lien Filing Search Fee	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-490600	Water Company Commission	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-490800	Developer Agreement Paym	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-491500	Sale Of Municipal Property	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-499400	Proceeds of Auction	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-499800	Miscellaneous Receipts	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
231-029-499802	Cash Over/short	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ 10,500.00	\$ 359.40	\$ 2,396.00	\$ 8,104.00	22.82%
231-029-492000	Bond Proceeds - Principal	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-492100	IL EPA Loan	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-440223	Transfer from Solid Waste	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-440261	Transfer From Hud	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-511600	Salary: All Personnel	\$ 183,273.06	\$ 15,039.91	\$ 122,531.58	\$ 60,741.48	66.86%
231-029-515000	Overtime	\$ 1,500.00	\$ 237.85	\$ 1,330.76	\$ 169.24	88.72%
231-029-515500	Vacation Pay	\$ 11,142.24	\$ 719.05	\$ 9,547.91	\$ 1,594.33	85.69%
231-029-515600	Holiday Pay	\$ 9,952.54	\$ 1,136.26	\$ 3,656.06	\$ 6,296.48	36.73%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
231-029-515800	Sick Pay	\$ 4,275.14	\$ 50.54	\$ 4,545.58	\$ (270.44)	106.33%
231-029-515900	Compensated Absences	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-516700	Wellness Program	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-517000	Oasdi/city Share 6.2%	\$ 12,855.00	\$ 1,048.39	\$ 8,351.49	\$ 4,503.51	64.97%
231-029-517001	Medicare/city Share 1.45%	\$ 3,007.00	\$ 244.30	\$ 1,952.35	\$ 1,054.65	64.93%
231-029-517401	IMRF	\$ 18,879.85	\$ 1,249.28	\$ 9,679.59	\$ 9,200.26	51.27%
231-029-518000	Group Insurance	\$ 40,611.33	\$ 2,282.11	\$ 26,037.52	\$ 14,573.81	64.11%
231-029-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-559000	Medical Expense/supplies	\$ 100.00	\$ -	\$ -	\$ 100.00	0.00%
	Personnel	\$ 285,596.16	\$ 22,007.69	\$ 187,632.84	\$ 97,963.32	65.70%
231-029-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-520200	Office Supplies	\$ 300.00	\$ 9.79	\$ 153.63	\$ 146.37	51.21%
231-029-520400	Postage	\$ 30,000.00	\$ 3,058.45	\$ 23,995.90	\$ 6,004.10	79.99%
231-029-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 30,300.00	\$ 3,068.24	\$ 24,149.53	\$ 6,150.47	79.70%
231-029-518100	Liability Insurance Premium	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-524000	Lease/rental Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-534400	Equipment Repairs	\$ 100.00	\$ -	\$ -	\$ 100.00	0.00%
231-029-538000	Maintenance Agreements	\$ 1,500.00	\$ -	\$ 1,214.32	\$ 285.68	80.95%
231-029-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-551600	Dues And Subscriptions	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-559900	Provisions For Bad Debts	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-560700	IL-Am Water Shut Off Expe	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
231-029-560701	American Water Consumptn I	\$ 12,000.00	\$ 2,069.84	\$ 7,264.80	\$ 4,735.20	60.54%
231-029-560800	Collection Agency Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-561800	Bond Issue Expense	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-562300	Summons Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-569000	Other Contractual Service	\$ 41,000.00	\$ 11,075.07	\$ 39,240.60	\$ 1,759.40	95.71%
231-029-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 56,100.00	\$ 13,144.91	\$ 47,719.72	\$ 8,380.28	85.06%
231-029-587100	Office Equipment & Furnitu	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-590600	Bank/Credit Card Fees	\$ 14,000.00	\$ 1,434.23	\$ 12,208.50	\$ 1,791.50	87.20%
231-029-593300	Lien Filing Fee	\$ 10,000.00	\$ 568.80	\$ 4,265.40	\$ 5,734.60	42.65%
231-029-593302	Judgement Filing Fee	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-599999	Contingency	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 24,000.00	\$ 2,003.03	\$ 16,473.90	\$ 7,526.10	68.64%
231-029-599905	OPEB Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
231-029-599906	IMRF Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Benefit Payments	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-590400	Interest Paid	\$ 530,000.00	\$ 325.33	\$ 287,522.03	\$ 242,477.97	54.25%
231-029-591000	Bond Principal Retired	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-591100	Bond Registrar Fees	\$ 500.00	\$ -	\$ 500.00	\$ -	100.00%
231-029-591101	Bond Issuance Costs	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-591102	Partial Defeasance Genera	\$ -	\$ -	\$ -	\$ -	0.00%
231-029-591400	Loan Payments	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Service	\$ 530,500.00	\$ 325.33	\$ 288,022.03	\$ 242,477.97	54.29%
231-029-520100	Transfer To General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
029	Waste Water	\$ 5,781,568.84	\$ 570,227.22	\$ 4,434,518.85	\$ 1,347,049.99	76.70%
231-030-499800	Miscellaneous Receipts	\$ 1,000.00	\$ -	\$ 647.00	\$ 353.00	64.70%
	Other Revenue	\$ 1,000.00	\$ -	\$ 647.00	\$ 353.00	64.70%
231-030-440100	Transfer from General Fund:	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-511600	Salary: All Personnel	\$ 222,067.00	\$ 18,132.77	\$ 135,546.28	\$ 86,520.72	61.04%
231-030-511601	Admin Cost Allocation	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-515000	Overtime	\$ 12,000.00	\$ 1,312.86	\$ 7,087.93	\$ 4,912.07	59.07%
231-030-515500	Vacation Pay	\$ 5,521.06	\$ 326.59	\$ 1,935.26	\$ 3,585.80	35.05%
231-030-515600	Holiday Pay	\$ 652.24	\$ 197.82	\$ 517.16	\$ 135.08	79.29%
231-030-515800	Sick Pay	\$ 447.55	\$ 60.18	\$ 258.64	\$ 188.91	57.79%
231-030-517000	Oasdi/city Share 6.2%	\$ 14,544.13	\$ 1,213.70	\$ 8,616.80	\$ 5,927.33	59.25%
231-030-517001	Medicare/city Share 1.45%	\$ 3,594.92	\$ 282.95	\$ 2,014.15	\$ 1,580.77	56.03%
231-030-517401	IMRF	\$ 19,000.00	\$ 1,455.58	\$ 10,438.86	\$ 8,561.14	54.94%
231-030-518000	Group Insurance	\$ 63,392.25	\$ 3,724.92	\$ 42,587.32	\$ 20,804.93	67.18%
231-030-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-554300	Uniforms & Tools	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-559000	Medical Expense/supplies	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ 341,219.15	\$ 26,707.37	\$ 209,002.40	\$ 132,216.75	61.25%
231-030-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-520200	Office Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-520400	Postage	\$ 100.00	\$ 345.24	\$ 345.24	\$ (245.24)	345.24%
231-030-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-522400	General Supplies	\$ 2,000.00	\$ 278.43	\$ 1,557.24	\$ 442.76	77.86%
231-030-529000	Equipment	\$ 6,000.00	\$ 179.99	\$ 17,290.81	\$ (11,290.81)	288.18%
231-030-556100	Gasoline/diesel Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 8,100.00	\$ 803.66	\$ 19,193.29	\$ (11,093.29)	236.95%
231-030-518100	Liability Insurance Premium	\$ 30,000.00	\$ -	\$ -	\$ 30,000.00	0.00%
231-030-524000	Lease/rental Of Equipment	\$ 10,000.00	\$ 771.97	\$ 771.97	\$ 9,228.03	7.72%
231-030-534000	Automotive Expense	\$ 5,000.00	\$ 1,099.88	\$ 1,999.56	\$ 3,000.44	39.99%
231-030-534400	Equipment Repairs	\$ 25,000.00	\$ 387.00	\$ 32,456.69	\$ (7,456.69)	129.83%
231-030-536000	Tree Removal / Replacemen	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
231-030-538000	Maintenance Agreements	\$ 2,900.00	\$ -	\$ -	\$ 2,900.00	0.00%
231-030-550100	Utilities	\$ 21,000.00	\$ 1,629.90	\$ 8,811.71	\$ 12,188.29	41.96%
231-030-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-551600	Dues And Subscriptions	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%
231-030-555000	Radio Expense	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-557300	Epa Permits	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-561300	Testing Fees And Expenses	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-564000	Sewer Maintenance/Improve	\$ 200,000.00	\$ 1,105.00	\$ 44,894.85	\$ 155,105.15	22.45%
231-030-569000	Other Contractual Service	\$ 150,000.00	\$ 1,091.00	\$ 46,771.06	\$ 103,228.94	31.18%
231-030-569001	Street Maintenance	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-569020	Contract Sewer Operation	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 448,900.00	\$ 6,084.75	\$ 135,705.84	\$ 313,194.16	30.23%
231-030-580200	Purchase Of Property	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-580400	Building Purchase/Construct	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-580401	Building Repair	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-580600	Sewer Construction	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-580601	Sewer Repair	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-587000	Machinery And Equipment	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	0.00%
231-030-587100	Office Equipment & Furnitu	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	0.00%
231-030-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-557310	Railroad Permit Fee	\$ 4,000.00	\$ 15.00	\$ 2,098.74	\$ 1,901.26	52.47%
231-030-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-599902	Amortization Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 4,000.00	\$ 15.00	\$ 2,098.74	\$ 1,901.26	52.47%
231-030-590400	Interest Paid	\$ 4,000.00	\$ -	\$ 3,100.84	\$ 899.16	77.52%
	Debt Service	\$ 4,000.00	\$ -	\$ 3,100.84	\$ 899.16	77.52%
231-030-520100	Transfer To General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
231-030-520445	Transfer To Capital Proje	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
030	Sanitary Sewer	\$ (815,219.15)	\$ (33,610.78)	\$ (368,454.11)	\$ (446,765.04)	45.20%
231-031-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-511600	Salary: All Personnel	\$ 386,103.83	\$ 42,554.79	\$ 276,541.57	\$ 109,562.26	71.62%
231-031-511601	Admin Cost Allocation	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-515000	Overtime	\$ 10,000.00	\$ 1,248.60	\$ 7,006.19	\$ 2,993.81	70.06%
231-031-515500	Vacation Pay	\$ 33,985.21	\$ 6,340.37	\$ 24,365.36	\$ 9,619.85	71.69%
231-031-515600	Holiday Pay	\$ 18,510.35	\$ 5,210.06	\$ 12,727.09	\$ 5,783.26	68.76%
231-031-515800	Sick Pay	\$ 17,011.16	\$ 1,075.92	\$ 10,677.86	\$ 6,333.30	62.77%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
231-031-515900	Compensated Absences	\$ 9,500.00	\$ -	\$ -	\$ 9,500.00	0.00%
231-031-516700	Wellness Program	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-517000	Oasdi/city Share 6.2%	\$ 27,975.00	\$ 3,478.89	\$ 20,030.25	\$ 7,944.75	71.60%
231-031-517001	Medicare/city Share 1.45%	\$ 6,543.00	\$ 812.81	\$ 4,683.77	\$ 1,859.23	71.58%
231-031-517401	IMRF	\$ 32,803.00	\$ 4,102.50	\$ 24,086.89	\$ 8,716.11	73.43%
231-031-518000	Group Insurance	\$ 96,530.81	\$ 10,130.73	\$ 80,778.22	\$ 15,752.59	83.68%
231-031-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-518300	Workers Comp Insurance	\$ 11,500.00	\$ -	\$ -	\$ 11,500.00	0.00%
231-031-554300	Uniforms And Tools	\$ 3,500.00	\$ 1,000.00	\$ 2,616.99	\$ 883.01	74.77%
231-031-559000	Medical Expense/supplies	\$ 500.00	\$ -	\$ 212.00	\$ 288.00	42.40%
	Personnel	\$ 654,462.36	\$ 75,954.67	\$ 463,726.19	\$ 190,736.17	70.86%
231-031-519000	Training And Education	\$ 7,000.00	\$ -	\$ -	\$ 7,000.00	0.00%
	Training & Education	\$ 7,000.00	\$ -	\$ -	\$ 7,000.00	0.00%
231-031-520200	Office Supplies	\$ 100.00	\$ -	\$ -	\$ 100.00	0.00%
231-031-520400	Postage	\$ 100.00	\$ -	\$ 135.82	\$ (35.82)	135.82%
231-031-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-522200	Chemical Supplies	\$ 160,000.00	\$ 12,014.16	\$ 108,138.67	\$ 51,861.33	67.59%
231-031-522400	General Supplies	\$ 6,000.00	\$ 381.38	\$ 2,634.90	\$ 3,365.10	43.92%
231-031-522600	Machine Lubricant & Oil	\$ 2,000.00	\$ -	\$ 26.62	\$ 1,973.38	1.33%
231-031-529000	Equipment	\$ 50,000.00	\$ -	\$ 569.75	\$ 49,430.25	1.14%
231-031-535000	Material And Hauling	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-556100	Gasoline/diesel Fuel	\$ 3,000.00	\$ 277.58	\$ 3,019.22	\$ (19.22)	100.64%
231-031-580401	Building Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 221,200.00	\$ 12,673.12	\$ 114,524.98	\$ 106,675.02	51.77%
231-031-518100	Liability Insurance Premium	\$ 12,500.00	\$ -	\$ -	\$ 12,500.00	0.00%
231-031-524000	Lease/rental Of Equipment	\$ 2,500.00	\$ -	\$ -	\$ 2,500.00	0.00%
231-031-534000	Automotive Expense	\$ 10,000.00	\$ 285.40	\$ 9,033.95	\$ 966.05	90.34%
231-031-534200	Buildings And Grounds Rep	\$ 10,000.00	\$ -	\$ 3,547.33	\$ 6,452.67	35.47%
231-031-534400	Equipment Repairs	\$ 50,000.00	\$ 1,549.00	\$ 72,660.52	\$ (22,660.52)	145.32%
231-031-536000	Tree removal, trim	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-536300	Snow Removal - Salt	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-536400	Sludge Removal	\$ 100,000.00	\$ 18,324.70	\$ 131,587.35	\$ (31,587.35)	131.59%
231-031-538000	Maintenance Agreements	\$ 12,000.00	\$ -	\$ -	\$ 12,000.00	0.00%
231-031-550100	Utilities	\$ 270,000.00	\$ 25,989.50	\$ 129,193.27	\$ 140,806.73	47.85%
231-031-550300	Telephone	\$ 2,500.00	\$ -	\$ -	\$ 2,500.00	0.00%
231-031-551600	Dues And Subscriptions	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-555000	Radio Expense	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-557300	Epa Permits	\$ 53,000.00	\$ -	\$ 52,500.00	\$ 500.00	99.06%
231-031-560100	Auditing Fees	\$ 3,000.00	\$ 7,280.40	\$ 12,130.40	\$ (9,130.40)	404.35%
231-031-560600	Corporate Counsel Fees	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
231-031-561000	Attorney Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-561300	Testing Fees And Expenses	\$ 50,000.00	\$ 2,978.33	\$ 21,403.54	\$ 28,596.46	42.81%
231-031-566600	Pest Control	\$ 2,600.00	\$ -	\$ 860.00	\$ 1,740.00	33.08%
231-031-569000	Other Contractual Service	\$ 25,000.00	\$ 1,486.80	\$ 4,992.39	\$ 20,007.61	19.97%
231-031-599801	Computer Software	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%
	Contractual Services	\$ 609,600.00	\$ 57,894.13	\$ 437,908.75	\$ 171,691.25	71.84%
231-031-580400	Building Purchase/Construct	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-580500	Road construction	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-587000	Machinery And Equipment	\$ 10,000.00	\$ -	\$ 6,005.43	\$ 3,994.57	60.05%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
231-031-587500	Vehicles	\$ -	\$ -	\$ 824.72	\$ (824.72)	0.00%
	Capital Outlay	\$ 10,000.00	\$ -	\$ 6,830.15	\$ 3,169.85	68.30%
231-031-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-554200	Meals Lodging	\$ -	\$ -	\$ 30.00	\$ (30.00)	0.00%
231-031-557200	License And Inspection Fees	\$ 500.00	\$ -	\$ 250.00	\$ 250.00	50.00%
231-031-599000	Miscellaneous	\$ -	\$ 46.10	\$ 46.10	\$ (46.10)	0.00%
231-031-599700	Fixed Asset Disposal	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
231-031-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 500.00	\$ 46.10	\$ 326.10	\$ 173.90	65.22%
231-031-520100	Transfer To General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
031	Wastewater Treatment Pla	\$ (1,502,762.36)	\$ (146,568.02)	\$ (1,023,316.17)	\$ (479,446.19)	68.10%
231-033-428000	Erosion Control	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-459100	Basic Service Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-414002	Impound Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Fines And Forfeitures	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-499800	Miscellaneous Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-492100	Loan Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-440100	Transfer from General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-440445	Transfer From Capital Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-511600	Salary: All Personnel	\$ 217,633.00	\$ 21,102.79	\$ 162,543.37	\$ 55,089.63	74.69%
231-033-515000	Overtime	\$ -	\$ 6,048.64	\$ 13,113.64	\$ (13,113.64)	0.00%
231-033-515500	Vacation Pay	\$ 3,263.31	\$ 504.91	\$ 2,758.40	\$ 504.91	84.53%
231-033-515600	Holiday Pay	\$ 1,261.78	\$ 386.92	\$ 1,040.54	\$ 221.24	82.47%
231-033-515800	Sick Pay	\$ 1,128.95	\$ 236.45	\$ 684.48	\$ 444.47	60.63%
231-033-517000	Oasdi/city Share 6.2%	\$ 14,656.42	\$ 1,705.61	\$ 10,789.66	\$ 3,866.76	73.62%
231-033-517001	Medicare/city Share 1.45%	\$ 3,428.03	\$ 398.05	\$ 2,522.56	\$ 905.47	73.59%
231-033-517401	IMRF	\$ 18,322.00	\$ 2,054.13	\$ 13,058.60	\$ 5,263.40	71.27%
231-033-518000	Group Insurance	\$ 52,674.88	\$ 5,955.39	\$ 43,661.24	\$ 9,013.64	82.89%
231-033-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-554300	Uniforms & Tools	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ 312,368.37	\$ 38,392.89	\$ 250,172.49	\$ 62,195.88	80.09%
231-033-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-520200	Office Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-520400	Postage	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
231-033-522400	General Supplies	\$ 1,000.00	\$ -	\$ 641.06	\$ 358.94	64.11%
231-033-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-535000	Material And Hauling	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%
231-033-556100	Gasoline/diesel Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 6,000.00	\$ -	\$ 641.06	\$ 5,358.94	10.68%
231-033-518100	Liability Insurance Premium	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-524000	Lease/rental Of Equipment	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
231-033-534000	Automotive Expense	\$ 10,000.00	\$ 562.38	\$ 12,226.84	\$ (2,226.84)	122.27%
231-033-534400	Equipment Repairs	\$ -	\$ -	\$ 3,235.28	\$ (3,235.28)	0.00%
231-033-555000	Radio Expense	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-557300	Epa Permits	\$ 1,500.00	\$ -	\$ 1,500.00	\$ -	100.00%
231-033-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-560701	Il-amer Ww Billing Charge	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-561300	Lab testing fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-564100	Drainage Improvements	\$ 380,000.00	\$ 112,276.55	\$ 391,753.70	\$ (11,753.70)	103.09%
231-033-569000	Other Contractual Service	\$ 4,000.00	\$ 183.76	\$ 416.58	\$ 3,583.42	10.41%
231-033-585400	Drainage District Assessm	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 397,000.00	\$ 113,022.69	\$ 409,132.40	\$ (12,132.40)	103.06%
231-033-580200	Land Purchase	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-580600	Sewer Construction	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-580601	Sewer Repair	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-587000	Machinery And Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-599998	Capital Set Aside	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-550100	Utilities	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-551000	Printing and Publications	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-593300	lien filing & release fees	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-599999	Contingency	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-590400	Interest Paid	\$ 4,300.00	\$ 433.88	\$ 4,276.53	\$ 23.47	99.45%
231-033-591400	Loan payments	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Service	\$ 4,300.00	\$ 433.88	\$ 4,276.53	\$ 23.47	99.45%
231-033-520100	Transfer To General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
231-033-520232	Transfer to Storm Water	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
033	Storm Water	\$ (719,668.37)	\$ (151,849.46)	\$ (664,222.48)	\$ (55,445.89)	92.30%
231	Sewerage	\$ 2,743,918.96	\$ 238,198.96	\$ 2,378,526.09	\$ 365,392.87	86.68%
240	Motor Fuel					
240-240-414000	Illinois Motor Fuel Tax	\$ 1,500,000.00	\$ 131,591.64	\$ 946,073.29	\$ 553,926.71	63.07%
	Taxes	\$ 1,500,000.00	\$ 131,591.64	\$ 946,073.29	\$ 553,926.71	63.07%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
240-240-435200	Traffic Lgt Maint Reimb	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-442500	Federal Grants	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-455001	Franchise Fee - Cilco	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-463500	Late Payment Penalty	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-463600	Interest Charges	\$ -	\$ -	\$ -	\$ -	0.00%
	Fines And Forfeitures	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-490100	Interest Earnings	\$ 50,000.00	\$ 22,950.50	\$ 175,993.41	\$ (125,993.41)	351.99%
240-240-490200	Gain On Securities Sold	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-491900	Incr/decr Investment Valu	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ 50,000.00	\$ 22,950.50	\$ 175,993.41	\$ (125,993.41)	351.99%
240-240-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-440261	Transfer From Hud	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-440445	Transfer from Capital	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-511600	Salary: All Personnel	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-515500	Vacation Pay	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-515600	Holiday Pay	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-515800	Sick Pay	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-517000	Oasdi/city Share 6.2%	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-517001	Medicare/city Share 1.45%	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-517401	IMRF	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-518000	Group Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-522400	General Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-523000	Traffic/Street Signs & Marki	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-535000	Material And Hauling	\$ -	\$ 1,568.81	\$ 56,403.83	\$ (56,403.83)	0.00%
	Supplies & Materials	\$ -	\$ 1,568.81	\$ 56,403.83	\$ (56,403.83)	0.00%
240-240-532000	Electronic Equipment Main	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-534900	Sidewalk Renovation	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-536000	Tree Removal / Replacemen	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-536300	Snow Removal - Salt & Che	\$ 100,000.00	\$ -	\$ 59,409.64	\$ 40,590.36	59.41%
240-240-550500	Electricity For Street Lights	\$ 140,000.00	\$ 9,476.89	\$ 87,467.94	\$ 52,532.06	62.48%
240-240-550600	Electricity For Signal Lights	\$ 14,000.00	\$ 8,347.94	\$ 15,994.62	\$ (1,994.62)	114.25%
240-240-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-561300	Testing Fees And Expenses	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-561301	Testing - Street Maintenance	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-563000	Contract Construction	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-564100	Drainage Improvements	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
240-240-569000	Other Contractual Service	\$ 15,500.00	\$ -	\$ -	\$ 15,500.00	0.00%
240-240-569001	Street Maintenance	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 269,500.00	\$ 17,824.83	\$ 162,872.20	\$ 106,627.80	60.43%
240-240-580200	Purchase Of Property	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-580500	Street Construction	\$ 3,832,795.00	\$ -	\$ -	\$ 3,832,795.00	0.00%
240-240-580501	Street Major Repair	\$ 500,000.00	\$ -	\$ -	\$ 500,000.00	0.00%
	Capital Outlay	\$ 4,332,795.00	\$ -	\$ -	\$ 4,332,795.00	0.00%
240-240-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-599999	Contingency	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-520100	Transfer To General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
240-240-520445	Transfer To Capital Proje	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
240	Motor Fuel	\$ (3,052,295.00)	\$ 135,148.50	\$ 902,790.67	\$ (3,955,085.67)	-29.58%
240	Motor Fuel	\$ (3,052,295.00)	\$ 135,148.50	\$ 902,790.67	\$ (3,955,085.67)	-29.58%
261	HUD - 14.218					
261-261-590600	Bank Charges	\$ -	\$ -	\$ 15.00	\$ (15.00)	0.00%
	Other Expenditures	\$ -	\$ -	\$ 15.00	\$ (15.00)	0.00%
261	Hud Administration	\$ -	\$ -	\$ 15.00	\$ (15.00)	0.00%
261-263-490101	Loan Interest	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ -	\$ -	\$ -	\$ -	0.00%
261-317-511000	Rehab Activity & Delivery	\$ -	\$ 47.40	\$ 142.20	\$ (142.20)	0.00%
261-317-511100	Demolition Activity & Deliv	\$ -	\$ -	\$ -	\$ -	0.00%
261-317-511200	Public Serv Activity/Deliver	\$ -	\$ -	\$ -	\$ -	0.00%
261-317-511300	Public Facilities & Infra	\$ -	\$ -	\$ -	\$ -	0.00%
261-317-511400	Fire Prevent Activity/Delive	\$ -	\$ -	\$ -	\$ -	0.00%
261-317-511500	Econ Development Assist	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ -	\$ 47.40	\$ 142.20	\$ (142.20)	0.00%
317	Grant Year 2017	\$ -	\$ (47.40)	\$ (142.20)	\$ 142.20	0.00%
261-319-511000	Rehab Activity & Delivery	\$ -	\$ -	\$ -	\$ -	0.00%
261-319-511100	Demo Activity & Delivery	\$ -	\$ -	\$ -	\$ -	0.00%
261-319-511200	Public Serv Activity/Deliver	\$ -	\$ 2,685.18	\$ 2,685.18	\$ (2,685.18)	0.00%
261-319-511300	Public Facilities & Infra	\$ -	\$ -	\$ -	\$ -	0.00%
261-319-511400	Fire Prevent Activity/Delive	\$ -	\$ -	\$ -	\$ -	0.00%
261-319-511500	Econ Development Assist	\$ -	\$ -	\$ -	\$ -	0.00%
261-319-560100	Auditing Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ -	\$ 2,685.18	\$ 2,685.18	\$ (2,685.18)	0.00%
261-319-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
319	Grant Year 2019	\$ -	\$ (2,685.18)	\$ (2,685.18)	\$ 2,685.18	0.00%
261-320-446100	Grant Income	\$ 181,516.00	\$ -	\$ 51,035.53	\$ 130,480.47	28.12%
261-320-446200	Countable Program Income	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ 181,516.00	\$ -	\$ 51,035.53	\$ 130,480.47	28.12%
261-320-490100	Revolving Loan Interest	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-498900	Non Sufficient Funds Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-490101	Loan Interest	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-499802	Cash Short & Over	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-511600	Salary: All Personnel	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-515000	Overtime	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-515500	Vacation Pay	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-515600	Holiday Pay	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-515800	Sick Pay	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-517000	OASDI - City Share 6.2%	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-517001	Medicare - City Share 1.45%	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-517401	IMRF	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-518000	Group Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-518300	Workers Compensation Insu	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-519000	Staff Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-520200	Office Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-520400	Postage	\$ -	\$ -	\$ 13.24	\$ (13.24)	0.00%
261-320-556100	Gasoline/Diesel Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ -	\$ -	\$ 13.24	\$ (13.24)	0.00%
261-320-511000	Rehab Activity & Delivery	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-511100	Demo Activity & Delivery	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-511200	Public Serv Activity/Deliver	\$ -	\$ -	\$ 21,035.53	\$ (21,035.53)	0.00%
261-320-511300	Public Facilities & Infra	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-511400	Fire Prevent Activity/Deliver	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-511500	Econ Development Assist	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-551600	Professional Dues/Subscriptic	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-559900	Provision For Bad Debts	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-560100	Auditing Fees	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-560500	Consulting Services	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ -	\$ -	\$ 21,035.53	\$ (21,035.53)	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
261-320-587100	Office Equip & Furniture	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-551000	Printing & Publication	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-554200	Meals & Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-599000	Miscellaneous Expenses	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
261-320-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%
320	Grant Year 2020	\$ 181,516.00	\$ -	\$ 29,986.76	\$ 151,529.24	16.52%
261-321-446100	Grant Income	\$ 180,525.00	\$ 238,944.45	\$ 238,944.45	\$ (58,419.45)	132.36%
261-321-446200	Countable Program Income	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ 180,525.00	\$ 238,944.45	\$ 238,944.45	\$ (58,419.45)	132.36%
261-321-490100	Revolving Loan Interest	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-498900	Non Sufficient Funds Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-490101	Loan Interest	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-499802	Cash Short & Over	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-511600	Salary: All Personnel	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-515000	Overtime	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-515500	Vacation Pay	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-515600	Holiday Pay	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-515800	Sick Pay	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-517000	OASDI - City Share 6.2%	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-517001	Medicare - City Share 1.45%	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-517401	IMRF	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-518000	Group Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-518300	Workers Compensation Insu	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-519000	Staff Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-520200	Office Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-520400	Postage	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-556100	Gasoline/Diesel Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-511000	Rehab Activity & Delivery	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-511100	Demo Activity & Delivery	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-511200	Public Serv Activity/Deliver	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
261-321-511300	Public Facilities & Infra	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-511400	Fire Prevent Activity/Deliver	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-511500	Econ Development Assist	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-551600	Professional Dues/Subscripti	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-559900	Provision For Bad Debts	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-560100	Auditing Fees	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-560500	Consulting Services	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-587100	Office Equip & Furniture	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-551000	Printing & Publication	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-554200	Meals & Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-599000	Miscellaneous Expenses	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%
261-321-591400	Loan Payments	\$ -	\$ 249,635.20	\$ 249,635.20	\$ (249,635.20)	0.00%
	Debt Service	\$ -	\$ 249,635.20	\$ 249,635.20	\$ (249,635.20)	0.00%
321	Grant Year 2021	\$ 180,525.00	\$ (10,690.75)	\$ (10,690.75)	\$ 191,215.75	-5.92%
261-322-446100	Grant Income	\$ -	\$ -	\$ 41,624.91	\$ (41,624.91)	0.00%
261-322-446200	Countable Program Income	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-492100	Sec 108 Loan Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ -	\$ -	\$ 41,624.91	\$ (41,624.91)	0.00%
261-322-490100	Revolving Loan Interest	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-498900	Non Sufficient Funds Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-490101	Loan Interest	\$ -	\$ -	\$ 0.48	\$ (0.48)	0.00%
	Investment Earnings	\$ -	\$ -	\$ 0.48	\$ (0.48)	0.00%
261-322-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-499802	Cash Short & Over	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-511600	Salary: All Personnel	\$ -	\$ 5,649.82	\$ 42,757.87	\$ (42,757.87)	0.00%
261-322-515000	Overtime	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-515500	Vacation Pay	\$ -	\$ 1,302.55	\$ 1,302.55	\$ (1,302.55)	0.00%
261-322-515600	Holiday Pay	\$ -	\$ 521.02	\$ 1,563.06	\$ (1,563.06)	0.00%
261-322-515800	Sick Pay	\$ -	\$ 341.92	\$ 1,204.87	\$ (1,204.87)	0.00%
261-322-517000	OASDI - City Share 6.2%	\$ -	\$ 476.95	\$ 2,842.52	\$ (2,842.52)	0.00%
261-322-517001	Medicare - City Share 1.45%	\$ -	\$ 111.54	\$ 664.75	\$ (664.75)	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
261-322-517401	IMRF	\$ -	\$ 568.17	\$ 3,404.40	\$ (3,404.40)	0.00%
261-322-518000	Group Insurance	\$ -	\$ 899.22	\$ 7,193.76	\$ (7,193.76)	0.00%
261-322-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-518300	Workers Compensation Insu	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ -	\$ 9,871.19	\$ 60,933.78	\$ (60,933.78)	0.00%
261-322-519000	Staff Training & Education	\$ -	\$ -	\$ 550.00	\$ (550.00)	0.00%
	Training & Education	\$ -	\$ -	\$ 550.00	\$ (550.00)	0.00%
261-322-520200	Office Supplies	\$ -	\$ -	\$ 82.83	\$ (82.83)	0.00%
261-322-520400	Postage	\$ 100.00	\$ -	\$ -	\$ 100.00	0.00%
261-322-556100	Gasoline/Diesel Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 100.00	\$ -	\$ 82.83	\$ 17.17	82.83%
261-322-511000	Rehab Activity & Delivery	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-511100	Demo Activity & Delivery	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-511200	Public Serv Activity/Deliver	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-511300	Public Facilities & Infra	\$ -	\$ -	\$ 25,797.87	\$ (25,797.87)	0.00%
261-322-511400	Fire Preven Activity/Deliver	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-511500	Econ Development Assist	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-551600	Professional Dues/Subscripti	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-559900	Provision for Bad Debts	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-560100	Auditing Fees	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-560500	Consulting Fees	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ -	\$ -	\$ 25,797.87	\$ (25,797.87)	0.00%
261-322-587100	Office Equip & Furniture	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-551000	Printing & Publications	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-554200	Meals & Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-599000	Miscellaneous Expenses	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%
261-322-590400	Interest Paid	\$ -	\$ -	\$ 8,677.82	\$ (8,677.82)	0.00%
261-322-591400	Loan Payments	\$ -	\$ -	\$ 30,000.00	\$ (30,000.00)	0.00%
	Debt Service	\$ -	\$ -	\$ 38,677.82	\$ (38,677.82)	0.00%
322	Grant Year 2022	\$ (100.00)	\$ (9,871.19)	\$ (84,416.91)	\$ 84,316.91	84416.91%
261-323-446100	Grant Income	\$ 464,422.00	\$ -	\$ -	\$ 464,422.00	0.00%
261-323-446200	Countable Program Income	\$ 60,137.00	\$ -	\$ -	\$ 60,137.00	0.00%
	Intergovernmental	\$ 524,559.00	\$ -	\$ -	\$ 524,559.00	0.00%
261-323-511600	Salary: All Peronnel	\$ 60,230.32	\$ -	\$ -	\$ 60,230.32	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
261-323-515500	Vacation Pay	\$ 2,541.60	\$ -	\$ -	\$ 2,541.60	0.00%
261-323-515600	Holiday Pay	\$ 2,541.60	\$ -	\$ -	\$ 2,541.60	0.00%
261-323-515800	Sick Pay	\$ 762.48	\$ -	\$ -	\$ 762.48	0.00%
261-323-517000	Oasdi/City Share 6.2%	\$ 4,096.71	\$ -	\$ -	\$ 4,096.71	0.00%
261-323-517001	Medicare/City Share 1.45%	\$ 958.10	\$ -	\$ -	\$ 958.10	0.00%
261-323-517401	IMRF	\$ 6,078.99	\$ -	\$ -	\$ 6,078.99	0.00%
261-323-518000	Group Insurance	\$ 10,790.64	\$ -	\$ -	\$ 10,790.64	0.00%
	Personnel	\$ 88,000.44	\$ -	\$ -	\$ 88,000.44	0.00%
261-323-511100	Demo Activity & Delivery	\$ 150,000.00	\$ -	\$ -	\$ 150,000.00	0.00%
261-323-511300	Public Facilities & Infra	\$ 400,000.00	\$ (29,068.34)	\$ (29,068.34)	\$ 429,068.34	-7.27%
	Contractual Services	\$ 550,000.00	\$ (29,068.34)	\$ (29,068.34)	\$ 579,068.34	-5.29%
261-323-551000	Printing & Publication	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
261-323-590400	Interest Paid	\$ 18,800.00	\$ -	\$ 8,451.62	\$ 10,348.38	44.96%
	Other Expenditures	\$ 19,300.00	\$ -	\$ 8,451.62	\$ 10,848.38	43.79%
261-323-591400	Loan Payments	\$ 68,000.00	\$ -	\$ -	\$ 68,000.00	0.00%
	Debt Service	\$ 68,000.00	\$ -	\$ -	\$ 68,000.00	0.00%
323	Department	\$ (200,741.44)	\$ 29,068.34	\$ 20,616.72	\$ (221,358.16)	-10.27%
261	HUD - 14.218	\$ 161,199.56	\$ 5,773.82	\$ (47,346.56)	\$ 208,546.12	-29.37%
270	TIF CBD					
270-270-410100	Real Estate Tax	\$ 490,000.00	\$ -	\$ 501,464.54	\$ (11,464.54)	102.34%
270-270-411001	Tif Sales Tax/city	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-411002	Tif Tax Allocation / State	\$ -	\$ -	\$ -	\$ -	0.00%
	Taxes	\$ 490,000.00	\$ -	\$ 501,464.54	\$ (11,464.54)	102.34%
270-270-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-442800	Park Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-490100	Interest Earnings	\$ 3,500.00	\$ -	\$ 429.43	\$ 3,070.57	12.27%
270-270-491900	Incr/decr Investment Valu	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ 3,500.00	\$ -	\$ 429.43	\$ 3,070.57	12.27%
270-270-491000	Rental Of Municipal Propert	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-491300	Prorated Re Tax/city Prop	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-491500	Sale Of Municipal Propert	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-498700	Farmer's Market	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-492000	Bond Proceeds - Principal	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-440261	Transfer From Hud	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-511600	Salary: All Personnel	\$ 19,750.00	\$ 1,097.07	\$ 4,001.50	\$ 15,748.50	20.26%
270-270-515000	Overtime	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
270-270-515500	Vacation Pay	\$ 510.00	\$ 283.56	\$ 614.56	\$ (104.56)	120.50%
270-270-515600	Holiday Pay	\$ 120.00	\$ 98.04	\$ 123.49	\$ (3.49)	102.91%
270-270-515800	Sick Pay	\$ 50.00	\$ -	\$ 3.25	\$ 46.75	6.50%
270-270-517000	Oasdi/city Share 6.2%	\$ 1,266.66	\$ 103.45	\$ 279.96	\$ 986.70	22.10%
270-270-517001	Medicare/city Share 1.45%	\$ 296.24	\$ 21.03	\$ 62.26	\$ 233.98	21.02%
270-270-517400	Imrf	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-517401	IMRF	\$ 3,677.36	\$ 107.57	\$ 271.00	\$ 3,406.36	7.37%
270-270-518000	Group Insurance	\$ -	\$ 193.17	\$ 390.03	\$ (390.03)	0.00%
270-270-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ 25,670.26	\$ 1,903.89	\$ 5,746.05	\$ 19,924.21	22.38%
270-270-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-520400	Postage	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-518100	Liability Insurance Premium	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-535200	Parking Lot Maintenance	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-551600	Dues And Subscriptions	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-557300	Epa Permits	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-560100	Auditing Fees	\$ -	\$ -	\$ 1,750.00	\$ (1,750.00)	0.00%
270-270-560500	Consulting Services	\$ 17,000.00	\$ -	\$ 45,886.64	\$ (28,886.64)	269.92%
270-270-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-561000	Legal Fees	\$ -	\$ -	\$ 24,000.00	\$ (24,000.00)	0.00%
270-270-561200	Engineering Fees	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	0.00%
270-270-562500	Demolition	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-562501	Asbestos Removal	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-569000	Other Contractual Service	\$ -	\$ 551.28	\$ 1,234.72	\$ (1,234.72)	0.00%
270-270-569001	Street Maintenance	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-583000	Tif Facade Grant/Loan	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-583100	Tif Interior Loan	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-591200	Developer Agreement Paym	\$ 10,000.00	\$ -	\$ 30,000.00	\$ (20,000.00)	300.00%
	Contractual Services	\$ 127,000.00	\$ 551.28	\$ 102,871.36	\$ 24,128.64	81.00%
270-270-580200	Purchase Of Property	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-580201	Land Improvements	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-580400	Building Purchase/constru	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-580500	Street Construction	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-580600	Sewer Construction	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-584000	Construction	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-584009	General Public Improvement	\$ 1,130,000.00	\$ 73,800.00	\$ 489,224.88	\$ 640,775.12	43.29%
270-270-599998	Capital Set Aside	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ 1,130,000.00	\$ 73,800.00	\$ 489,224.88	\$ 640,775.12	43.29%
270-270-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-522400	General Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-559800	Loan Forgiveness	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-565300	School Distr Tax Reimburse	\$ 150,000.00	\$ -	\$ -	\$ 150,000.00	0.00%
270-270-573100	Facade Grants	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-590300	Real Estate Tax Expense	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
270-270-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-598500	Farmer's Market Expense	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-599999	Contingency	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 150,000.00	\$ -	\$ -	\$ 150,000.00	0.00%
270-270-590400	Interest Paid	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-591000	Bond Principal Retired	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-591100	Bond Registrar Fees	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-591101	Bond Issuance Costs	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Service	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-520100	Transfer to General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-520273	Transfer to Tif 3	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-520445	Transfer To Capital Proje	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
270-270-580601	Sewer Repair & Improvemen	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Expense	\$ -	\$ -	\$ -	\$ -	0.00%
270	TIF CBD	\$ (939,170.26)	\$ (76,255.17)	\$ (95,948.32)	\$ (843,221.94)	10.22%
270	TIF CBD	\$ (939,170.26)	\$ (76,255.17)	\$ (95,948.32)	\$ (843,221.94)	10.22%
273	TIF SIPCA					
273-273-410100	Real Estate Tax	\$ 185,000.00	\$ -	\$ 233,592.97	\$ (48,592.97)	126.27%
273-273-411002	Tif Tax Allocation/State	\$ -	\$ -	\$ -	\$ -	0.00%
	Taxes	\$ 185,000.00	\$ -	\$ 233,592.97	\$ (48,592.97)	126.27%
273-273-490100	Interest Earnings	\$ 2,000.00	\$ -	\$ 283.36	\$ 1,716.64	14.17%
	Investment Earnings	\$ 2,000.00	\$ -	\$ 283.36	\$ 1,716.64	14.17%
273-273-494100	Property Damage Reimburse	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
273-273-440270	Transfer from Tif 1	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
273-273-511600	Salary: All Personnel	\$ 10,846.00	\$ 809.31	\$ 2,898.80	\$ 7,947.20	26.73%
273-273-515000	Overtime	\$ -	\$ -	\$ -	\$ -	0.00%
273-273-515500	Vacation Pay	\$ 325.00	\$ 205.08	\$ 429.99	\$ (104.99)	132.30%
273-273-515600	Holiday Pay	\$ 110.00	\$ 71.88	\$ 93.18	\$ 16.82	84.71%
273-273-515800	Sick Pay	\$ 30.00	\$ -	\$ 3.25	\$ 26.75	10.83%
273-273-517000	Oasdi/city share 6.2%	\$ 672.45	\$ 75.77	\$ 203.16	\$ 469.29	30.21%
273-273-517001	Medicare/city share 1.45%	\$ 157.27	\$ 15.47	\$ 45.21	\$ 112.06	28.75%
273-273-517400	IMRF	\$ -	\$ -	\$ -	\$ -	0.00%
273-273-517401	IMRF	\$ 1,200.00	\$ 78.96	\$ 199.82	\$ 1,000.18	16.65%
273-273-518000	Group Insurance	\$ 1,500.00	\$ 140.23	\$ 290.87	\$ 1,209.13	19.39%
	Personnel	\$ 14,840.72	\$ 1,396.70	\$ 4,164.28	\$ 10,676.44	28.06%
273-273-560100	Auditing Fees	\$ 1,500.00	\$ -	\$ 1,750.00	\$ (250.00)	116.67%
273-273-560500	Consulting Services	\$ 4,500.00	\$ -	\$ 1,965.50	\$ 2,534.50	43.68%
273-273-561200	Engineering	\$ 300,000.00	\$ -	\$ -	\$ 300,000.00	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
273-273-569000	Other Contractual Service	\$ -	\$ 367.52	\$ 823.15	\$ (823.15)	0.00%
273-273-591200	Developer Agreement Paym	\$ -	\$ 6,000.00	\$ 10,098.80	\$ (10,098.80)	0.00%
	Contractual Services	\$ 306,000.00	\$ 6,367.52	\$ 14,637.45	\$ 291,362.55	4.78%
273-273-584009	General Public Improvement	\$ 117,184.00	\$ -	\$ -	\$ 117,184.00	0.00%
	Capital Outlay	\$ 117,184.00	\$ -	\$ -	\$ 117,184.00	0.00%
273-273-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
273-273-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
273-273-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
273-273-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
273-273-565300	School Distr Tax Reimburse	\$ -	\$ -	\$ -	\$ -	0.00%
273-273-565400	Surplus Declaration	\$ 46,500.00	\$ -	\$ -	\$ 46,500.00	0.00%
273-273-590300	Real Estate Tax Expense	\$ -	\$ -	\$ 3,414.52	\$ (3,414.52)	0.00%
273-273-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 46,500.00	\$ -	\$ 3,414.52	\$ 43,085.48	7.34%
273	Tif SIPCA	\$ (297,524.72)	\$ (7,764.22)	\$ 211,660.08	\$ (509,184.80)	-71.14%
273	TIF SIPCA	\$ (297,524.72)	\$ (7,764.22)	\$ 211,660.08	\$ (509,184.80)	-71.14%
275	TIF Court Street					
275-275-410100	Real Estate Taxes	\$ 649,973.00	\$ -	\$ 637,085.31	\$ 12,887.69	98.02%
	Taxes	\$ 649,973.00	\$ -	\$ 637,085.31	\$ 12,887.69	98.02%
275-275-490100	Interest Earnings	\$ -	\$ -	\$ 68.82	\$ (68.82)	0.00%
	Investment Earnings	\$ -	\$ -	\$ 68.82	\$ (68.82)	0.00%
275-275-511600	Salary: All Personnel	\$ -	\$ 1,294.70	\$ 1,294.70	\$ (1,294.70)	0.00%
275-275-515500	Vacation Pay	\$ -	\$ 353.10	\$ 353.10	\$ (353.10)	0.00%
275-275-515600	Holiday Pay	\$ -	\$ 117.70	\$ 117.70	\$ (117.70)	0.00%
275-275-517000	Oasdi/city share 6.2%	\$ -	\$ 124.69	\$ 124.69	\$ (124.69)	0.00%
275-275-517001	Medicare/city share 1.45%	\$ -	\$ 25.13	\$ 25.13	\$ (25.13)	0.00%
275-275-517400	Imrf	\$ -	\$ -	\$ -	\$ -	0.00%
275-275-517401	IMRF	\$ -	\$ 128.40	\$ 128.40	\$ (128.40)	0.00%
275-275-518000	Group Insurance	\$ -	\$ 238.12	\$ 238.12	\$ (238.12)	0.00%
	Personnel	\$ -	\$ 2,281.84	\$ 2,281.84	\$ (2,281.84)	0.00%
275-275-560500	Consulting Services	\$ -	\$ -	\$ 4,653.00	\$ (4,653.00)	0.00%
275-275-569000	Other Contractual Service	\$ -	\$ 460.50	\$ 460.50	\$ (460.50)	0.00%
275-275-591200	Developer Agreement Paym	\$ 832,599.00	\$ -	\$ 196,869.59	\$ 635,729.41	23.65%
	Contractual Services	\$ 832,599.00	\$ 460.50	\$ 201,983.09	\$ 630,615.91	24.26%
275-275-584009	General Public Improvement	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
275-275-565300	School Distr Tax Reimburse	\$ 97,496.00	\$ -	\$ -	\$ 97,496.00	0.00%
275-275-565400	Surplus Declaration	\$ -	\$ -	\$ -	\$ -	0.00%
275-275-590400	Interest Paid	\$ -	\$ -	\$ 20.51	\$ (20.51)	0.00%
275-275-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 97,496.00	\$ -	\$ 20.51	\$ 97,475.49	0.02%
275-275-580601	Sewer Repair & Improveme	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Expense	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
275	TIF Court Street	\$ (280,122.00)	\$ (2,742.34)	\$ 432,868.69	\$ (712,990.69)	-154.53%
275	TIF Court Street	\$ (280,122.00)	\$ (2,742.34)	\$ 432,868.69	\$ (712,990.69)	-154.53%
277	BDD (#1)					
277-277-411006	BDD Sales Taxes	\$ 3,300,000.00	\$ 277,961.43	\$ 2,239,922.64	\$ 1,060,077.36	67.88%
277-277-411007	BDD Hotel/Motel Taxes	\$ 50,000.00	\$ -	\$ 37,357.87	\$ 12,642.13	74.72%
	Taxes	\$ 3,350,000.00	\$ 277,961.43	\$ 2,277,280.51	\$ 1,072,719.49	67.98%
277-277-490100	Interest Earnings	\$ 10,000.00	\$ -	\$ 1,478.88	\$ 8,521.12	14.79%
	Investment Earnings	\$ 10,000.00	\$ -	\$ 1,478.88	\$ 8,521.12	14.79%
277-277-492100	Loan Proceeds	\$ 5,500,000.00	\$ -	\$ 2,500,000.00	\$ 3,000,000.00	45.45%
	Debt Proceeds	\$ 5,500,000.00	\$ -	\$ 2,500,000.00	\$ 3,000,000.00	45.45%
277-277-511600	Salary: All Personnel	\$ -	\$ 3,595.46	\$ 3,595.46	\$ (3,595.46)	0.00%
277-277-515500	Vacation Pay	\$ -	\$ 980.58	\$ 980.58	\$ (980.58)	0.00%
277-277-515600	Holiday Pay	\$ -	\$ 326.86	\$ 326.86	\$ (326.86)	0.00%
277-277-517000	Oasdi/city share 6.2%	\$ -	\$ 346.31	\$ 346.31	\$ (346.31)	0.00%
277-277-517001	Medicare/city share 1.45%	\$ -	\$ 69.78	\$ 69.78	\$ (69.78)	0.00%
277-277-517400	Imrf	\$ -	\$ -	\$ -	\$ -	0.00%
277-277-517401	IMRF	\$ -	\$ 356.55	\$ 356.55	\$ (356.55)	0.00%
277-277-518000	Group Insurance	\$ -	\$ 661.32	\$ 661.32	\$ (661.32)	0.00%
	Personnel	\$ -	\$ 6,336.86	\$ 6,336.86	\$ (6,336.86)	0.00%
277-277-560500	Consulting Services	\$ 15,000.00	\$ -	\$ 2,326.50	\$ 12,673.50	15.51%
277-277-569000	Other Contractual Services	\$ -	\$ 551.28	\$ 551.28	\$ (551.28)	0.00%
277-277-591200	Developer Agreement Paym	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 15,000.00	\$ 551.28	\$ 2,877.78	\$ 12,122.22	19.19%
277-277-580200	Land Purchase	\$ -	\$ -	\$ -	\$ -	0.00%
277-277-584000	Construction	\$ -	\$ -	\$ -	\$ -	0.00%
277-277-584009	General Public Improvement	\$ 10,846,857.00	\$ 94,206.36	\$ 2,620,066.19	\$ 8,226,790.81	24.16%
	Capital Outlay	\$ 10,846,857.00	\$ 94,206.36	\$ 2,620,066.19	\$ 8,226,790.81	24.16%
277-277-590400	Interest Paid	\$ -	\$ -	\$ 598.31	\$ (598.31)	0.00%
277-277-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ -	\$ -	\$ 598.31	\$ (598.31)	0.00%
277-277-591400	Loan Payments	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Service	\$ -	\$ -	\$ -	\$ -	0.00%
277-277-520100	Transfer to General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
277	BDD (#1)	\$ (2,001,857.00)	\$ 176,866.93	\$ 2,148,880.25	\$ (4,150,737.25)	-107.34%
277	BDD (#1)	\$ (2,001,857.00)	\$ 176,866.93	\$ 2,148,880.25	\$ (4,150,737.25)	-107.34%
445	Capital Projects					
445-000-490100	Interest Earnings	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
000	Non Departmental	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-451800	50 / 50 Sidewalk Project	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-463500	Late Payment Penalties	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-463600	Interest Charges	\$ -	\$ -	\$ -	\$ -	0.00%
	Fines And Forfeitures	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-490100	Interest Earnings	\$ -	\$ 163.07	\$ 2,562.29	\$ (2,562.29)	0.00%
	Investment Earnings	\$ -	\$ 163.07	\$ 2,562.29	\$ (2,562.29)	0.00%
445-041-498900	Non Sufficient Funds Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-523000	Traffic Street Signs	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-529000	Equipment	\$ -	\$ -	\$ 86,491.36	\$ (86,491.36)	0.00%
445-041-535000	Material & Hauling	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-535200	Parking Lot Maintenance	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-580401	Building Repair	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ -	\$ -	\$ 86,491.36	\$ (86,491.36)	0.00%
445-041-532000	Electronic Equipment Main	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-534000	Automotive Expense	\$ -	\$ -	\$ 256,278.87	\$ (256,278.87)	0.00%
445-041-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-534900	Sidewalk Renovations	\$ 250,000.00	\$ 40,430.56	\$ 88,767.94	\$ 161,232.06	35.51%
445-041-560100	Auditing Fees	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-569001	Street Maintenance	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 250,000.00	\$ 40,430.56	\$ 345,046.81	\$ (95,046.81)	138.02%
445-041-584000	Construction	\$ 220,000.00	\$ -	\$ 148,358.01	\$ 71,641.99	67.44%
	Capital Outlay	\$ 220,000.00	\$ -	\$ 148,358.01	\$ 71,641.99	67.44%
445-041-590600	Bank Fees	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-591600	Developer Debt Write Off	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-590400	Interest Paid	\$ 8,300.00	\$ 492.20	\$ 46,527.47	\$ (38,227.47)	560.57%
	Debt Service	\$ 8,300.00	\$ 492.20	\$ 46,527.47	\$ (38,227.47)	560.57%
445-041-511600	Salary: All Personnel	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-515600	Holiday Pay	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-517000	Oasdi/city Share 6.2%	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-517001	Medicare/city Share 1.45%	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-517401	IMRF	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-520100	Transfer To General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-520240	Transfer to MFT	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-524000	Lease/Rental of Equipment	\$ 179,244.33	\$ 2,686.70	\$ 174,789.71	\$ 4,454.62	97.51%
445-041-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-556100	Gasoline/diesel Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-557300	Epa Permits	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
445-041-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-561200	Engineering Fees	\$ 1,860,000.00	\$ 119,096.85	\$ 648,545.61	\$ 1,211,454.39	34.87%
445-041-561300	Testing Fees And Expenses	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-563000	Contract Construction	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-569000	Other Contractual Service	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-580200	Purchase Of Property	\$ 800,000.00	\$ -	\$ 525,006.45	\$ 274,993.55	65.63%
445-041-580201	Land Improvements	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-580500	Street Construction	\$ 4,123,110.00	\$ 2,676.00	\$ 171,460.09	\$ 3,951,649.91	4.16%
445-041-580501	Street Improvement/Repair	\$ 7,000.00	\$ -	\$ 11,127.83	\$ (4,127.83)	158.97%
445-041-587000	Machinery & Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-587100	Office Equipment & Furnitu	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-590300	Real Estate Tax Expense	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-591500	Sale of Property	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Expense	\$ 6,969,354.33	\$ 124,459.55	\$ 1,530,929.69	\$ 5,438,424.64	21.97%
445-041-414001	Local Use Gas Tax	\$ 500,000.00	\$ 44,961.02	\$ 372,238.37	\$ 127,761.63	74.45%
445-041-414002	Impound Fees	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-440231	Transfer From Sewerage	\$ 5,555,136.00	\$ -	\$ -	\$ 5,555,136.00	0.00%
445-041-440240	Transfer From Motor Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-440270	Transfer From Tif 1	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-442500	Federal Grants	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-442700	County Grants	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-490800	Developer Agreement Paym	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-491000	Rental Of Municipal Prope	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-491500	Sale of Property	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-491900	Incr/decr Investment Valu	\$ -	\$ -	\$ -	\$ -	0.00%
445-041-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Revenue	\$ 6,055,136.00	\$ 44,961.02	\$ 372,238.37	\$ 5,682,897.63	6.15%
041	Capital Projects	\$ (1,392,518.33)	\$ (120,258.22)	\$ (1,782,552.68)	\$ 390,034.35	128.01%
445-042-587000	Machinery and Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Expense	\$ -	\$ -	\$ -	\$ -	0.00%
445-042-490800	Developer Agreement Paym	\$ -	\$ -	\$ -	\$ -	0.00%
445-042-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
042	Velde Drive Project	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-580401	Capital Purchases Buildings	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-580501	Capital Purchase Street	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-585400	Contract Storm Improvemen	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-587000	Capital Purchase Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-587500	Impound Capital Vehicle Ex	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Expense	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-440100	Transfer from General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-464500	Impound Fees TRX to Capi	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
445-043-535000	Material & Hauling	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-524000	Lease/Rental of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-569000	Other Contractual Services	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-520231	Transfer to Sewer Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
445-043-414002	Impound Fees	\$ 70,000.00	\$ 3,946.88	\$ 46,241.88	\$ 23,758.12	66.06%
	Capital Revenue	\$ 70,000.00	\$ 3,946.88	\$ 46,241.88	\$ 23,758.12	66.06%
043	Impound Fees	\$ 70,000.00	\$ 3,946.88	\$ 46,241.88	\$ 23,758.12	66.06%
445-045-587500	Capital Purchase Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Expense	\$ -	\$ -	\$ -	\$ -	0.00%
445-045-440100	Transfer from General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
445-045-524000	Lease/rental of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
445-045-534200	Buildings & Grounds Mainte	\$ -	\$ -	\$ -	\$ -	0.00%
445-045-569000	Other Contractual Service	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ -	\$ -	\$ -	\$ -	0.00%
445-045-580200	Purchase of Property	\$ -	\$ -	\$ -	\$ -	0.00%
445-045-580201	Land Improvements	\$ -	\$ -	\$ -	\$ -	0.00%
445-045-580401	Building Repair	\$ -	\$ -	\$ -	\$ -	0.00%
445-045-584009	General Public Improvement	\$ -	\$ -	\$ -	\$ -	0.00%
445-045-587000	Machinery and Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
445-045-587100	Office Equipment & Furnitu	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
045	Department	\$ -	\$ -	\$ -	\$ -	0.00%
445	Capital Projects	\$ (1,322,518.33)	\$ (116,311.34)	\$ (1,736,310.80)	\$ 413,792.47	131.29%
501	School Bus					
501-501-450011	District 108 Contract	\$ 3,924,460.95	\$ 365,730.09	\$ 2,441,049.21	\$ 1,483,411.74	62.20%
501-501-450012	Transportation Contract	\$ 116,500.00	\$ 14,501.94	\$ 128,227.68	\$ (11,727.68)	110.07%
501-501-450013	District 303	\$ 1,444,128.30	\$ 163,104.43	\$ 1,021,850.82	\$ 422,277.48	70.76%
501-501-450020	Bus passes	\$ 15,000.00	\$ 760.00	\$ 30,183.62	\$ (15,183.62)	201.22%
501-501-450030	Bus Special Charters	\$ 195,350.00	\$ 21,557.62	\$ 128,959.97	\$ 66,390.03	66.01%
501-501-454500	Other Contractual Revenue	\$ 327,352.30	\$ 31,083.00	\$ 212,999.52	\$ 114,352.78	65.07%
	Fees/Charges For Service	\$ 6,022,791.55	\$ 596,737.08	\$ 3,963,270.82	\$ 2,059,520.73	65.80%
501-501-494100	City Property Dmg Reimb	\$ -	\$ -	\$ -	\$ -	0.00%
	Fines And Forfeitures	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
501-501-490100	Interest Earnings	\$ 400.00	\$ -	\$ 183.65	\$ 216.35	45.91%
	Investment Earnings	\$ 400.00	\$ -	\$ 183.65	\$ 216.35	45.91%
501-501-442900	Other Grant Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-491000	Rental of Municipal Property	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-495600	Insurance Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-499404	Sale of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-499800	Miscellaneous Receipts	\$ 500.00	\$ -	\$ 314.87	\$ 185.13	62.97%
501-501-499802	Cash Over/Short	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ 500.00	\$ -	\$ 314.87	\$ 185.13	62.97%
501-501-492100	Loan Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-511600	Salary: All Personnel	\$ 389,145.00	\$ 114,303.69	\$ 566,448.28	\$ (177,303.28)	145.56%
501-501-511601	Admin Cost Allocation	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-511610	Wages - Full Time Bus	\$ 355,395.00	\$ -	\$ -	\$ 355,395.00	0.00%
501-501-514600	Wages-PartTime Drivers&M	\$ 2,000,000.00	\$ 243,404.53	\$ 1,216,708.08	\$ 783,291.92	60.84%
501-501-515000	Overtime	\$ 75,000.00	\$ 15,287.61	\$ 84,679.90	\$ (9,679.90)	112.91%
501-501-515200	Longevity Pay	\$ 75,000.00	\$ -	\$ -	\$ 75,000.00	0.00%
501-501-515500	Vacation Pay	\$ 45,000.00	\$ 2,640.95	\$ 17,758.82	\$ 27,241.18	39.46%
501-501-515600	Holiday Pay	\$ 85,000.00	\$ 16,183.02	\$ 59,576.63	\$ 25,423.37	70.09%
501-501-515800	Sick Pay	\$ 10,000.00	\$ 615.04	\$ 3,508.73	\$ 6,491.27	35.09%
501-501-515900	On Job Injury School Bus	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-515950	Compensated Absences	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-516700	Wellness Program	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-517000	Oasdi/city Share 6.2%	\$ 179,461.48	\$ 24,289.14	\$ 120,382.83	\$ 59,078.65	67.08%
501-501-517001	Medicare/city Share 1.45%	\$ 41,970.83	\$ 5,676.02	\$ 28,149.98	\$ 13,820.85	67.07%
501-501-517401	IMRF	\$ 97,671.00	\$ 9,452.11	\$ 50,372.77	\$ 47,298.23	51.57%
501-501-518000	Group Insurance	\$ 120,000.00	\$ 6,698.12	\$ 51,761.12	\$ 68,238.88	43.13%
501-501-518200	Unemployment Insurance	\$ 50,000.00	\$ -	\$ 90,240.76	\$ (40,240.76)	180.48%
501-501-518300	Workers Comp Insurance	\$ 110,000.00	\$ -	\$ -	\$ 110,000.00	0.00%
501-501-554300	Uniforms & Tools	\$ 800.00	\$ -	\$ 800.00	\$ -	100.00%
501-501-559000	Medical Expense/supplies	\$ 20,000.00	\$ 1,750.61	\$ 12,030.64	\$ 7,969.36	60.15%
	Personnel	\$ 3,654,443.31	\$ 440,300.84	\$ 2,302,418.54	\$ 1,352,024.77	63.00%
501-501-519000	Training And Education	\$ 8,000.00	\$ -	\$ 2,932.95	\$ 5,067.05	36.66%
	Training & Education	\$ 8,000.00	\$ -	\$ 2,932.95	\$ 5,067.05	36.66%
501-501-520200	Office Supplies	\$ 2,500.00	\$ -	\$ 839.75	\$ 1,660.25	33.59%
501-501-520400	Postage	\$ 200.00	\$ -	\$ 25.53	\$ 174.47	12.77%
501-501-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-522400	General Supplies	\$ 12,000.00	\$ 454.90	\$ 5,450.11	\$ 6,549.89	45.42%
501-501-529000	Equipment	\$ 8,500.00	\$ 212.48	\$ 1,068.73	\$ 7,431.27	12.57%
501-501-556100	Gasoline/diesel Fuel	\$ 400,000.00	\$ 43,733.33	\$ 289,194.95	\$ 110,805.05	72.30%
	Supplies & Materials	\$ 423,200.00	\$ 44,400.71	\$ 296,579.07	\$ 126,620.93	70.08%
501-501-518100	Liability Insurance Premium	\$ 84,000.00	\$ -	\$ -	\$ 84,000.00	0.00%
501-501-524000	Lease/rental Of Equipment	\$ 9,000.00	\$ 1,240.96	\$ 4,963.84	\$ 4,036.16	55.15%
501-501-534000	Automotive Expense	\$ 200,000.00	\$ 19,258.63	\$ 191,505.12	\$ 8,494.88	95.75%
501-501-534400	Equipment Repairs	\$ 500.00	\$ -	\$ 3,239.77	\$ (2,739.77)	647.95%
501-501-538000	Maintenance Agreements	\$ 3,000.00	\$ 390.44	\$ 11,992.21	\$ (8,992.21)	399.74%
501-501-550100	Utilities	\$ 25,000.00	\$ 1,867.24	\$ 10,077.20	\$ 14,922.80	40.31%
501-501-550300	Telephone	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
501-501-551600	Dues And Subscriptions	\$ 750.00	\$ -	\$ 130.00	\$ 620.00	17.33%
501-501-555000	Radio Expense	\$ 67,000.00	\$ -	\$ 76,042.00	\$ (9,042.00)	113.50%
501-501-559900	Provisions For Bad Debts	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-560100	Auditing Fees	\$ -	\$ 4,516.28	\$ 4,516.28	\$ (4,516.28)	0.00%
501-501-560600	Corporate Counsel Fees	\$ 3,000.00	\$ -	\$ -	\$ 3,000.00	0.00%
501-501-561000	Legal expense	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-566600	Pest Control	\$ 900.00	\$ -	\$ -	\$ 900.00	0.00%
501-501-569000	Other Contractual Service	\$ 6,500.00	\$ 8,148.64	\$ 46,348.02	\$ (39,848.02)	713.05%
501-501-599801	Computer Software	\$ 65,000.00	\$ -	\$ -	\$ 65,000.00	0.00%
	Contractual Services	\$ 469,650.00	\$ 35,422.19	\$ 348,814.44	\$ 120,835.56	74.27%
501-501-580200	Purchase Of Property	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-580400	Building Purchase/constructi	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-580401	Building Repair	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-587000	Machinery And Equipment	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	0.00%
501-501-587001	Lease / Purchase Equipmen	\$ 1,142,626.00	\$ -	\$ 1,054,591.99	\$ 88,034.01	92.30%
501-501-587100	Office Equipment & Furnitu	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
501-501-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ 1,145,626.00	\$ -	\$ 1,054,591.99	\$ 91,034.01	92.05%
501-501-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-534200	Bldng & Grnds Maint/Repai	\$ 6,000.00	\$ -	\$ 41.00	\$ 5,959.00	0.68%
501-501-551000	Printing And Publications	\$ 1,500.00	\$ -	\$ 35.00	\$ 1,465.00	2.33%
501-501-554200	Meals/Lodging	\$ 3,000.00	\$ 926.00	\$ 5,619.00	\$ (2,619.00)	187.30%
501-501-557200	License And Inspection Fees	\$ 12,000.00	\$ 1,856.00	\$ 6,884.00	\$ 5,116.00	57.37%
501-501-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-599000	Miscellaneous	\$ 1,000.00	\$ 304.88	\$ 1,919.29	\$ (919.29)	191.93%
501-501-599700	Fixed Asset Disposal	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-599901	Abandonment Loss	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-599999	Contingency	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 23,500.00	\$ 3,086.88	\$ 14,498.29	\$ 9,001.71	61.69%
501-501-599905	OPEB Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-599906	IMRF Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Benefit Payments	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-590400	Interest Paid	\$ -	\$ -	\$ 88,247.81	\$ (88,247.81)	0.00%
	Debt Service	\$ -	\$ -	\$ 88,247.81	\$ (88,247.81)	0.00%
501-501-520100	Transfer To General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-520500	Transfer To Municipal Bus	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-520695	Transfer To Insurance Fund	\$ -	\$ -	\$ -	\$ -	0.00%
501-501-520699	Transfer To Vehicle Maint	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
501	School Bus	\$ 299,272.24	\$ 73,526.46	\$ (144,313.75)	\$ 443,585.99	-48.22%
501	School Bus	\$ 299,272.24	\$ 73,526.46	\$ (144,313.75)	\$ 443,585.99	-48.22%
525	Airport					
525-525-442500	Federal Grants	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-442600	State Grants	\$ 790,770.00	\$ -	\$ -	\$ 790,770.00	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
	Intergovernmental	\$ 790,770.00	\$ -	\$ -	\$ 790,770.00	0.00%
525-525-450040	Gasoline Sales	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-450041	Sale of Oil	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-453001	Rental - Airport Shop	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-453002	Rental - Airport Hangars	\$ 60,000.00	\$ 5,810.00	\$ 44,445.00	\$ 15,555.00	74.08%
525-525-453003	Rental - Tie Down Spaces	\$ -	\$ -	\$ 150.00	\$ (150.00)	0.00%
525-525-453004	Sale of Gas	\$ 180,000.00	\$ 4,975.77	\$ 136,593.20	\$ 43,406.80	75.89%
525-525-498900	Non Sufficient Funds Fee	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ 240,000.00	\$ 10,785.77	\$ 181,188.20	\$ 58,811.80	75.50%
525-525-490100	Interest Earnings	\$ -	\$ -	\$ (99.38)	\$ 99.38	0.00%
	Investment Earnings	\$ -	\$ -	\$ (99.38)	\$ 99.38	0.00%
525-525-442601	Contributed Capital	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-454500	Other Contractual Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-491000	Rental Of Municipal Prope	\$ 20,000.00	\$ -	\$ 22,801.17	\$ (2,801.17)	114.01%
525-525-499800	Miscellaneous Receipts	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
	Other Revenue	\$ 20,500.00	\$ -	\$ 22,801.17	\$ (2,301.17)	111.23%
525-525-492100	Loan Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-511600	Salary All Personnel	\$ 41,392.00	\$ 1,378.27	\$ 9,474.07	\$ 31,917.93	22.89%
525-525-511601	Admin Cost Allocation	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-515000	Overtime	\$ -	\$ -	\$ 1.18	\$ (1.18)	0.00%
525-525-515500	Vacation Pay	\$ 2,904.00	\$ 223.12	\$ 833.60	\$ 2,070.40	28.71%
525-525-515600	Holiday	\$ 1,756.55	\$ 112.88	\$ 302.12	\$ 1,454.43	17.20%
525-525-515800	Sick Pay	\$ 1,047.86	\$ 112.84	\$ 171.77	\$ 876.09	16.39%
525-525-515900	Compensated Absences	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-517000	Oasdi/city Share 6.2%	\$ 2,566.30	\$ 43.05	\$ 568.60	\$ 1,997.70	22.16%
525-525-517001	Medicare/city Share 1.45%	\$ 600.18	\$ 9.53	\$ 132.51	\$ 467.67	22.08%
525-525-517401	IMRF	\$ 3,808.06	\$ 109.79	\$ 699.23	\$ 3,108.83	18.36%
525-525-518000	Group Insurance	\$ 8,863.16	\$ 195.19	\$ 1,332.85	\$ 7,530.31	15.04%
525-525-518300	Workers Comp Insurance	\$ 4,000.00	\$ -	\$ -	\$ 4,000.00	0.00%
	Personnel	\$ 66,938.11	\$ 2,184.67	\$ 13,515.93	\$ 53,422.18	20.19%
525-525-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-520200	Office Supplies	\$ 150.00	\$ -	\$ -	\$ 150.00	0.00%
525-525-520400	Postage	\$ 50.00	\$ -	\$ -	\$ 50.00	0.00%
525-525-522400	General Supplies	\$ 1,000.00	\$ -	\$ 179.99	\$ 820.01	18.00%
525-525-529000	Equipment	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
525-525-556200	Cost of Gas Sold	\$ 180,000.00	\$ 3,474.62	\$ 124,350.94	\$ 55,649.06	69.08%
525-525-556202	Cost of Parts Sold	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 182,700.00	\$ 3,474.62	\$ 124,530.93	\$ 58,169.07	68.16%
525-525-518100	Liability Insurance Premium	\$ 6,000.00	\$ -	\$ -	\$ 6,000.00	0.00%
525-525-524000	Lease/rental Of Equipment	\$ 500.00	\$ 32.95	\$ 292.15	\$ 207.85	58.43%
525-525-534000	Automotive Expense	\$ 2,000.00	\$ -	\$ 205.95	\$ 1,794.05	10.30%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
525-525-534200	Buildings And Grounds Rep	\$ 20,000.00	\$ -	\$ 723.99	\$ 19,276.01	3.62%
525-525-534400	Equipment Repairs	\$ 4,000.00	\$ 216.50	\$ 940.65	\$ 3,059.35	23.52%
525-525-536100	Property Cleanup Fees	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-536300	Snow Removal - Salt And C	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%
525-525-538000	Maintenance Agreement	\$ 350.00	\$ -	\$ -	\$ 350.00	0.00%
525-525-550100	Utilities	\$ 30,000.00	\$ 3,024.17	\$ 15,311.68	\$ 14,688.32	51.04%
525-525-550300	Telephone	\$ 3,000.00	\$ 961.63	\$ 2,585.20	\$ 414.80	86.17%
525-525-551600	Dues And Subscriptions	\$ 335.00	\$ -	\$ -	\$ 335.00	0.00%
525-525-556100	Fuel	\$ 800.00	\$ -	\$ -	\$ 800.00	0.00%
525-525-557300	Epa Permits	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-559900	Provisions For Bad Debts	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-560100	Auditing Fees	\$ -	\$ 2,662.13	\$ 2,662.13	\$ (2,662.13)	0.00%
525-525-560600	Corporate Counsel Fees	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
525-525-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-561301	Concrete Testing	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-566600	Pest Control	\$ 750.00	\$ 60.00	\$ 480.00	\$ 270.00	64.00%
525-525-569000	Other Contractual Service	\$ 45,000.00	\$ 7,170.61	\$ 41,292.88	\$ 3,707.12	91.76%
	Contractual Services	\$ 118,235.00	\$ 14,127.99	\$ 64,494.63	\$ 53,740.37	54.55%
525-525-580201	Land Improvements	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-580401	Building Repairs	\$ -	\$ -	\$ 320.00	\$ (320.00)	0.00%
525-525-587000	Machinery & Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-587001	Lease to own equipment	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-587100	Office Furniture & Equip	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ 320.00	\$ (320.00)	0.00%
525-525-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-557200	License & Inspection Fees	\$ 1,250.00	\$ 200.00	\$ 200.00	\$ 1,050.00	16.00%
525-525-590600	Bank/Credit Card Fees	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-599700	Fixed Asset Disposal	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-599999	Contingency	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 1,250.00	\$ 200.00	\$ 200.00	\$ 1,050.00	16.00%
525-525-599905	OPEB Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-599906	IMRF Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Benefit Payments	\$ -	\$ -	\$ -	\$ -	0.00%
525-525-590400	Interest Paid	\$ -	\$ -	\$ 1,110.82	\$ (1,110.82)	0.00%
	Debt Service	\$ -	\$ -	\$ 1,110.82	\$ (1,110.82)	0.00%
525-525-520100	Transfer to General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
525	Airport	\$ 682,146.89	\$ (9,201.51)	\$ (282.32)	\$ 682,429.21	-0.04%
525	Airport	\$ 682,146.89	\$ (9,201.51)	\$ (282.32)	\$ 682,429.21	-0.04%
570	Economic Development					
570-570-442500	Federal Grants	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
	Intergovernmental	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-490100	Interest Earnings	\$ 1,100.00	\$ -	\$ 239.36	\$ 860.64	21.76%
570-570-490101	Loan Interest	\$ 41,414.00	\$ -	\$ -	\$ 41,414.00	0.00%
570-570-490103	Hospital Loan Interest Reiml	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ 42,514.00	\$ -	\$ 239.36	\$ 42,274.64	0.56%
570-570-450600	Application Fees	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-491000	Rental Of Municipal Prope	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-491500	Sale Of Municipal Propert	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-493600	Training Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-499210	Donations	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-499802	Cash Over/short	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-492100	Loan Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-511600	Salary: All Personnel	\$ 73,654.10	\$ 5,006.24	\$ 6,551.97	\$ 67,102.13	8.90%
570-570-515000	Overtime	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-515500	Vacation Pay	\$ 3,076.80	\$ 407.08	\$ 550.72	\$ 2,526.08	17.90%
570-570-515600	Holiday Pay	\$ 3,076.80	\$ 141.50	\$ 167.09	\$ 2,909.71	5.43%
570-570-515800	Sick Pay	\$ 192.30	\$ 4.22	\$ 19.08	\$ 173.22	9.92%
570-570-515900	Compensated Absences	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-516700	Wellness Program	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-517000	Oasdi/city Share 6.2%	\$ 4,960.00	\$ 361.44	\$ 459.50	\$ 4,500.50	9.26%
570-570-517001	Medicare/city Share 1.45%	\$ 1,160.00	\$ 80.08	\$ 102.80	\$ 1,057.20	8.86%
570-570-517401	IMRF	\$ 7,360.00	\$ 404.16	\$ 505.45	\$ 6,854.55	6.87%
570-570-518000	Group Insurance	\$ 16,800.00	\$ 281.61	\$ 449.05	\$ 16,350.95	2.67%
570-570-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ 110,280.00	\$ 6,686.33	\$ 8,805.66	\$ 101,474.34	7.98%
570-570-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-520200	Office Supplies	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
570-570-520400	Postage	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
570-570-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
570-570-518100	Liability Insurance Premium	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-524000	Lease/rental Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-551600	Dues And Subscriptions	\$ 250.00	\$ -	\$ -	\$ 250.00	0.00%
570-570-560500	Consulting Services	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
570-570-567500	Build Illinois Grants	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-568102	Sales Tax Rebate	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-569000	Other Contractual Service	\$ -	\$ 183.76	\$ 8,361.57	\$ (8,361.57)	0.00%
570-570-591200	Developer Agreement Paym	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-591300	Developer Credit Applied	\$ 70,000.00	\$ -	\$ -	\$ 70,000.00	0.00%
570-570-598100	Public Relations	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 70,250.00	\$ 183.76	\$ 8,361.57	\$ 61,888.43	11.90%
570-570-580200	Purchase Of Property	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-580400	Building Purchase/constru	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-587100	Office Equipment & Furnitu	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
	Capital Outlay	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
570-570-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-551000	Printing And Publications	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
570-570-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-590300	Real Estate Tax Expense	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-593300	Lien Filing Fee	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
570-570-599905	OPEB Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-599906	IMRF Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Benefit Payments	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-590400	Interest Paid	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-591400	Loan Payment	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Service	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-520100	Transfer to General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-520261	Transfer To Hud #2	\$ -	\$ -	\$ -	\$ -	0.00%
570-570-520695	Transfer To Insurance Fun	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
570	Economic Development	\$ (140,516.00)	\$ (6,870.09)	\$ (16,927.87)	\$ (123,588.13)	12.05%
570	Economic Development	\$ (140,516.00)	\$ (6,870.09)	\$ (16,927.87)	\$ (123,588.13)	12.05%
695	Insurance					
695-092-490100	Interest	\$ -	\$ 1.68	\$ 9.25	\$ (9.25)	0.00%
	Investment Earnings	\$ -	\$ 1.68	\$ 9.25	\$ (9.25)	0.00%
695-092-479100	Sec 125 Flex Plan Contrib	\$ 58,000.00	\$ 7,244.43	\$ 44,614.60	\$ 13,385.40	76.92%
695-092-499801	Write Off Outstanding Che	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ 58,000.00	\$ 7,244.43	\$ 44,614.60	\$ 13,385.40	76.92%
695-092-517300	Sec 125 Flex Plan Claims	\$ 57,000.00	\$ 2,474.09	\$ 32,451.78	\$ 24,548.22	56.93%
695-092-517505	Flex Administration Fee	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 57,000.00	\$ 2,474.09	\$ 32,451.78	\$ 24,548.22	56.93%
695-092-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
	Other Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%
092	Section 125	\$ 1,000.00	\$ 4,772.02	\$ 12,172.07	\$ (11,172.07)	1217.21%
695-093-490100	Interest Earnings	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-495600	Insurance Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-440501	Transfer From School Bus	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-450500	Liability Ins Premiums Reim	\$ 650,000.00	\$ -	\$ -	\$ 650,000.00	0.00%
	Transfers From Other Fun	\$ 650,000.00	\$ -	\$ -	\$ 650,000.00	0.00%
695-093-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-518110	Claims Paid / General	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-518123	Claims Paid / Sanitation	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-518125	Claims Paid/Airport	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-518131	Claims Paid / Sewerage	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-518132	Claims Paid / Street Dept	\$ -	\$ -	\$ 8,822.13	\$ (8,822.13)	0.00%
695-093-518133	Claims Paid / Police Prot	\$ -	\$ 549.41	\$ (10,083.83)	\$ 10,083.83	0.00%
695-093-518134	Claims Paid / Fire Prot	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-518151	Claims Paid / School Bus	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-518157	Claims Paid / Economic De	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-518190	Claims Paid / Tpccc	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-518199	Mechanics	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-518400	Liability Ins Premiums Paid	\$ 650,000.00	\$ -	\$ 502,792.29	\$ 147,207.71	77.35%
695-093-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
695-093-561000	Attorney Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 650,000.00	\$ 549.41	\$ 501,530.59	\$ 148,469.41	77.16%
093	Liability Insurance	\$ -	\$ (549.41)	\$ (501,530.59)	\$ 501,530.59	0.00%
695-094-490100	Interest Earnings	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-495600	Insurance Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-440501	Transfer From School Bus	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-450500	Work Comp Ins Premiums R	\$ 550,000.00	\$ -	\$ -	\$ 550,000.00	0.00%
	Transfers From Other Fun	\$ 550,000.00	\$ -	\$ -	\$ 550,000.00	0.00%
695-094-518310	Workers Comp / General	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-518323	Workers Comp / Sanitation	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-518331	Workers Comp / Sewerage	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-518332	Workers Comp / Street Dep	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-518333	Workers Comp / Police Pro	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
695-094-518334	Workers Comp / Fire Prote	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-518350	Workers Comp / Municipal	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-518351	Workers Comp / School Bus	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-518390	Workers Comp / Tpccc	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-518399	Workers Comp / VMF	\$ -	\$ -	\$ -	\$ -	0.00%
695-094-518400	Workmans Comp Premiums	\$ 577,000.00	\$ -	\$ 726,057.09	\$ (149,057.09)	125.83%
695-094-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 577,000.00	\$ -	\$ 726,057.09	\$ (149,057.09)	125.83%
695-094-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%
094	Work Comp	\$ (27,000.00)	\$ -	\$ (726,057.09)	\$ 699,057.09	2689.10%
695-095-498900	Fees/Charges for Service	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-490100	Interest Earnings	\$ -	\$ 466.58	\$ 871.34	\$ (871.34)	0.00%
	Investment Earnings	\$ -	\$ 466.58	\$ 871.34	\$ (871.34)	0.00%
695-095-450505	Retiree Ins Premiums	\$ 350,000.00	\$ 26,577.15	\$ 204,413.56	\$ 145,586.44	58.40%
695-095-450515	Police Retiree Premiums	\$ 130,000.00	\$ 4,170.64	\$ 44,381.38	\$ 85,618.62	34.14%
695-095-495200	Excess Health Insurance R	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-495300	Claim Refund	\$ -	\$ -	\$ 133,868.65	\$ (133,868.65)	0.00%
695-095-495400	Ppo Refund	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-495500	Drug Card Rebate	\$ 100,000.00	\$ -	\$ -	\$ 100,000.00	0.00%
695-095-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-499801	Write Off Outstanding Che	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ 580,000.00	\$ 30,747.79	\$ 382,663.59	\$ 197,336.41	65.98%
695-095-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-450500	Premiums - Interfund	\$ 4,102,341.48	\$ 299,412.20	\$ 2,371,539.59	\$ 1,730,801.89	57.81%
695-095-450501	Premiums - Employees	\$ 445,658.52	\$ -	\$ -	\$ 445,658.52	0.00%
695-095-450510	Premiums - BCBS	\$ 1,300,000.00	\$ 99,627.13	\$ 788,949.33	\$ 511,050.67	60.69%
	Transfers From Other Fun	\$ 5,848,000.00	\$ 399,039.33	\$ 3,160,488.92	\$ 2,687,511.08	54.04%
695-095-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-517500	Health Claims Paid/Active	\$ -	\$ 2,570.60	\$ 33,886.29	\$ (33,886.29)	0.00%
695-095-517501	Administration Fees	\$ 2,500.00	\$ 349.65	\$ 26,346.86	\$ (23,846.86)	1053.87%
695-095-517502	Reinsurance Premium	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-517503	Organ Transplant Premium	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-517504	A D & D Life Premium	\$ 24,000.00	\$ 443.77	\$ 7,198.66	\$ 16,801.34	29.99%
695-095-517505	Flex Premium	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-517506	Vision Coverage	\$ 23,000.00	\$ 1,416.90	\$ 11,064.26	\$ 11,935.74	48.11%
695-095-517507	Health Insurance Premium	\$ 4,548,000.00	\$ 291,936.34	\$ 2,278,923.18	\$ 2,269,076.82	50.11%
695-095-517508	Stop Loss	\$ -	\$ -	\$ 34,778.04	\$ (34,778.04)	0.00%
695-095-517509	Police BCBS Health Ins Plar	\$ 1,300,000.00	\$ 132,634.53	\$ 910,742.99	\$ 389,257.01	70.06%
695-095-517511	Dental Coverage	\$ 67,000.00	\$ 16,710.54	\$ 130,543.75	\$ (63,543.75)	194.84%
695-095-517512	Dental Coverage-Retirees	\$ 17,500.00	\$ 3,916.58	\$ 30,909.00	\$ (13,409.00)	176.62%
695-095-517513	Vision Coverage Retirees	\$ 1,500.00	\$ 331.88	\$ 2,621.54	\$ (1,121.54)	174.77%
695-095-517515	Health Insurance Prem-Retir	\$ 350,000.00	\$ 71,433.85	\$ 636,271.00	\$ (286,271.00)	181.79%
695-095-517600	Central States Premium	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
695-095-517700	Drug Card Charges	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-551600	Dues And Subscriptions	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-569000	Other Contractual Service	\$ 25,000.00	\$ 36.19	\$ 19,220.83	\$ 5,779.17	76.88%
	Contractual Services	\$ 6,358,500.00	\$ 521,780.83	\$ 4,122,506.40	\$ 2,235,993.60	64.83%
695-095-516700	Wellness Program	\$ 42,000.00	\$ 610.97	\$ 7,452.25	\$ 34,547.75	17.74%
695-095-516900	Smoking Cessation Program	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-590600	Bank Charges	\$ -	\$ 15.00	\$ 15.00	\$ (15.00)	0.00%
695-095-599000	Miscellaneous	\$ 1,500.00	\$ -	\$ 2,058.03	\$ (558.03)	137.20%
695-095-599999	Contingency	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 43,500.00	\$ 625.97	\$ 9,525.28	\$ 33,974.72	21.90%
695-095-517510	Fire Ins Trust Fund Pmts	\$ -	\$ -	\$ -	\$ -	0.00%
	Benefit Payments	\$ -	\$ -	\$ -	\$ -	0.00%
695-095-520092	Transfer To Insurance Fle	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
095	Medical	\$ 26,000.00	\$ (92,153.10)	\$ (588,007.83)	\$ 614,007.83	-2261.57%
695	Insurance	\$ -	\$ (87,930.49)	\$ (1,803,423.44)	\$ 1,803,423.44	0.00%
699	Vehicle Maintenance					
699-069-450040	Gasoline Sales - Interfun	\$ 808,647.00	\$ 89,991.70	\$ 649,168.61	\$ 159,478.39	80.28%
699-069-450041	Sale of Oil	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-450042	Sale of Parts	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-450043	Labor	\$ 475,000.00	\$ 45,275.05	\$ 279,489.96	\$ 195,510.04	58.84%
	Fees/Charges For Service	\$ 1,283,647.00	\$ 135,266.75	\$ 928,658.57	\$ 354,988.43	72.35%
699-069-490100	Interest Earnings	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-495600	Insurance Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-499800	Miscellaneous Receipts	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
	Other Revenue	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
699-069-440100	Transfer From General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-440501	Transfer From School Bus	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-511600	Salary: All Personnel	\$ 290,695.24	\$ 27,531.23	\$ 168,686.55	\$ 122,008.69	58.03%
699-069-515000	Overtime	\$ 10,000.00	\$ 516.16	\$ 3,014.11	\$ 6,985.89	30.14%
699-069-515500	Vacation Pay	\$ 20,508.76	\$ 2,403.88	\$ 13,005.34	\$ 7,503.42	63.41%
699-069-515600	Holiday Pay	\$ 13,958.05	\$ 2,153.80	\$ 6,129.29	\$ 7,828.76	43.91%
699-069-515800	Sick Pay	\$ 6,643.95	\$ 930.54	\$ 5,308.87	\$ 1,335.08	79.91%
699-069-515900	Injury Pay	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-515950	Compensated Absences	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-517000	Oasdi/city Share 6.2%	\$ 22,736.00	\$ 2,021.50	\$ 11,788.12	\$ 10,947.88	51.85%
699-069-517001	Medicare/city Share 1.45%	\$ 5,317.00	\$ 472.76	\$ 2,756.61	\$ 2,560.39	51.85%
699-069-517401	IMRF	\$ 26,660.00	\$ 2,432.58	\$ 14,216.00	\$ 12,444.00	53.32%
699-069-518000	Group Insurance	\$ 71,001.95	\$ 6,812.60	\$ 54,585.07	\$ 16,416.88	76.88%
699-069-518300	Workers Comp Insurance	\$ 12,000.00	\$ -	\$ -	\$ 12,000.00	0.00%
699-069-554300	Uniforms And Tools	\$ 4,500.00	\$ -	\$ 3,245.80	\$ 1,254.20	72.13%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
699-069-559000	Medical Expense/supplies	\$ 300.00	\$ -	\$ -	\$ 300.00	0.00%
	Personnel	\$ 484,320.95	\$ 45,275.05	\$ 282,735.76	\$ 201,585.19	58.38%
699-069-519000	Training And Education	\$ 2,000.00	\$ 175.00	\$ 413.00	\$ 1,587.00	20.65%
	Training & Education	\$ 2,000.00	\$ 175.00	\$ 413.00	\$ 1,587.00	20.65%
699-069-520200	Office Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-520400	Postage	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-522400	General Supplies	\$ 5,000.00	\$ 320.67	\$ 1,630.13	\$ 3,369.87	32.60%
699-069-529000	Equipment	\$ 3,000.00	\$ 559.00	\$ 828.74	\$ 2,171.26	27.62%
699-069-556100	Gasoline/diesel Fuel	\$ -	\$ 67.05	\$ 873.07	\$ (873.07)	0.00%
699-069-556200	Cost Of Fuel Sold	\$ 750,000.00	\$ 90,029.50	\$ 650,831.11	\$ 99,168.89	86.78%
699-069-556201	Cost Of Oil	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-556202	Cost Of Parts	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 758,000.00	\$ 90,976.22	\$ 654,163.05	\$ 103,836.95	86.30%
699-069-518100	Liability Insurance Premium	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	0.00%
699-069-524000	Lease/rental Of Equipment	\$ 1,500.00	\$ 255.42	\$ 1,021.68	\$ 478.32	68.11%
699-069-534000	Automotive Expense	\$ 3,500.00	\$ 630.70	\$ 4,021.00	\$ (521.00)	114.89%
699-069-534200	Bldgs & Grnds Maint/Repa	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-534400	Equipment Repairs	\$ 3,000.00	\$ -	\$ 1,676.14	\$ 1,323.86	55.87%
699-069-534500	Core Charge/credit	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-538000	Maintenance Agreements	\$ 1,000.00	\$ -	\$ 24.16	\$ 975.84	2.42%
699-069-550100	Utilities	\$ 10,000.00	\$ 584.51	\$ 3,765.63	\$ 6,234.37	37.66%
699-069-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-551600	Dues And Subscriptions	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-555000	Radio Expense	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-557300	EPA Permit	\$ 850.00	\$ -	\$ 235.00	\$ 615.00	27.65%
699-069-566600	Pest Control	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-569000	Other Contractual Service	\$ 10,000.00	\$ 1,210.70	\$ 9,283.69	\$ 716.31	92.84%
699-069-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 39,850.00	\$ 2,681.33	\$ 20,027.30	\$ 19,822.70	50.26%
699-069-587000	Machinery And Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-557200	License And Inspection Fees	\$ -	\$ -	\$ 50.00	\$ (50.00)	0.00%
699-069-590400	Interest Paid	\$ -	\$ -	\$ 379.41	\$ (379.41)	0.00%
699-069-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-599000	Miscellaneous	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
699-069-599600	Overage & Shrinkage	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-599999	Contingency	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 1,000.00	\$ -	\$ 429.41	\$ 570.59	42.94%
699-069-599905	OPEB Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
699-069-599906	IMRF Pension Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Benefit Payments	\$ -	\$ -	\$ -	\$ -	0.00%
069	City Vehicle Maintenance	\$ (1,023.95)	\$ (3,840.85)	\$ (29,109.95)	\$ 28,086.00	2842.91%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
699-070-450040	Gasoline Sales - Tazwell Cn	\$ 6,500.00	\$ 666.40	\$ 3,931.90	\$ 2,568.10	60.49%
699-070-450041	Sale of Oil	\$ -	\$ -	\$ -	\$ -	0.00%
699-070-450042	Sale of Parts	\$ 1,000.00	\$ -	\$ 15.40	\$ 984.60	1.54%
699-070-450043	Labor	\$ 2,000.00	\$ -	\$ 578.50	\$ 1,421.50	28.93%
	Fees/Charges For Service	\$ 9,500.00	\$ 666.40	\$ 4,525.80	\$ 4,974.20	47.64%
699-070-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
699-070-511600	Salary: All Personnel	\$ 709.00	\$ -	\$ 231.89	\$ 477.11	32.71%
699-070-515000	Overtime	\$ -	\$ -	\$ 16.61	\$ (16.61)	0.00%
699-070-515500	Vacation Pay	\$ -	\$ -	\$ -	\$ -	0.00%
699-070-515600	Holiday Pay	\$ -	\$ -	\$ -	\$ -	0.00%
699-070-515800	Sick Pay	\$ -	\$ -	\$ -	\$ -	0.00%
699-070-517000	Oasdi/city Share 6.2%	\$ 43.00	\$ -	\$ 14.81	\$ 28.19	34.44%
699-070-517001	Medicare/city Share 1.45%	\$ 10.00	\$ -	\$ 3.45	\$ 6.55	34.50%
699-070-517401	IMRF	\$ 61.00	\$ -	\$ 18.06	\$ 42.94	29.61%
699-070-518000	Group Insurance	\$ 153.00	\$ -	\$ 71.25	\$ 81.75	46.57%
699-070-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ 976.00	\$ -	\$ 356.07	\$ 619.93	36.48%
699-070-556100	Gasoline/diesel Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
699-070-556200	Cost Of Fuel Sold	\$ 6,500.00	\$ 666.40	\$ 3,631.95	\$ 2,868.05	55.88%
699-070-556201	Cost Of Oil	\$ -	\$ -	\$ -	\$ -	0.00%
699-070-556202	Cost Of Parts	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 6,500.00	\$ 666.40	\$ 3,631.95	\$ 2,868.05	55.88%
699-070-518100	Liability Insurance Premium	\$ -	\$ -	\$ -	\$ -	0.00%
699-070-534000	Automotive Expense	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
	Contractual Services	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
070	Tazewell Co Vehicle Maint	\$ 1,024.00	\$ -	\$ 537.78	\$ 486.22	52.52%
699	Vehicle Maintenance	\$ 0.05	\$ (3,840.85)	\$ (28,572.17)	\$ 28,572.22	-57144340.00%
924	Library					
924-924-410100	Real Estate Tax	\$ 1,619,911.00	\$ 1,465.01	\$ 1,613,156.22	\$ 6,754.78	99.58%
924-924-412000	Replacement P/p Tax - State	\$ 396,870.00	\$ -	\$ 181,128.84	\$ 215,741.16	45.64%
	Taxes	\$ 2,016,781.00	\$ 1,465.01	\$ 1,794,285.06	\$ 222,495.94	88.97%
924-924-437900	South Pekin Revenue	\$ 13,000.00	\$ -	\$ 14,266.37	\$ (1,266.37)	109.74%
924-924-438300	South Pekin Per Capita Gran	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
924-924-438700	Other Grants	\$ 1,890.00	\$ -	\$ -	\$ 1,890.00	0.00%
924-924-445000	Per Capita Grant	\$ 46,810.00	\$ -	\$ 46,803.23	\$ 6.77	99.99%
	Intergovernmental	\$ 63,200.00	\$ -	\$ 61,069.60	\$ 2,130.40	96.63%
924-924-456900	Passports	\$ 15,000.00	\$ 1,505.00	\$ 11,925.45	\$ 3,074.55	79.50%
924-924-457001	Friends Book Sale	\$ 11,000.00	\$ 1,283.75	\$ 9,998.88	\$ 1,001.12	90.90%
924-924-457002	Copy Machines	\$ 3,000.00	\$ 124.85	\$ 1,445.76	\$ 1,554.24	48.19%
924-924-457003	Printing Fees (library)	\$ 7,000.00	\$ 285.58	\$ 4,995.59	\$ 2,004.41	71.37%
924-924-457005	Non-resident Fees	\$ 6,200.00	\$ 550.02	\$ 3,158.79	\$ 3,041.21	50.95%
924-924-457006	Books - Lost And Damaged	\$ 1,500.00	\$ 291.90	\$ 1,908.05	\$ (408.05)	127.20%
924-924-457007	Room Use Fees	\$ 1,800.00	\$ 175.00	\$ 1,314.90	\$ 485.10	73.05%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
924-924-457008	Book Rental Fee	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-457009	Staff Sales	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-457010	Fax Fee	\$ 2,200.00	\$ 70.50	\$ 1,028.35	\$ 1,171.65	46.74%
	Fees/Charges For Service	\$ 47,700.00	\$ 4,286.60	\$ 35,775.77	\$ 11,924.23	75.00%
924-924-465001	Library Fines - Adult Dep	\$ 5,000.00	\$ 215.35	\$ 2,743.33	\$ 2,256.67	54.87%
924-924-465002	Library Fines - Junior De	\$ -	\$ -	\$ 26.20	\$ (26.20)	0.00%
	Fines And Forfeitures	\$ 5,000.00	\$ 215.35	\$ 2,769.53	\$ 2,230.47	55.39%
924-924-490100	Interest Earnings	\$ 600.00	\$ 1,748.83	\$ 13,360.60	\$ (12,760.60)	2226.77%
924-924-490102	Endowment Interest	\$ 350.00	\$ 23.50	\$ 122.37	\$ 227.63	34.96%
924-924-490111	Interest Earnings Capital	\$ 50.00	\$ 5.26	\$ 42.81	\$ 7.19	85.62%
	Investment Earnings	\$ 1,000.00	\$ 1,777.59	\$ 13,525.78	\$ (12,525.78)	1352.58%
924-924-491100	Refund On Insurance Premi	\$ -	\$ -	\$ 582.00	\$ (582.00)	0.00%
924-924-498800	Capital Development	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-499100	Insurance Recoveries	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-499200	Gifts And Memorials	\$ 10,000.00	\$ 2,045.05	\$ 7,345.60	\$ 2,654.40	73.46%
924-924-499300	Iptip / Gift Fund	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-499800	Miscellaneous Receipts	\$ 2,500.00	\$ 46.56	\$ 2,089.87	\$ 410.13	83.59%
	Other Revenue	\$ 12,500.00	\$ 2,091.61	\$ 10,017.47	\$ 2,482.53	80.14%
924-924-440100	Transfer from Library	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-450500	Premiums	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Fun	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-511600	Salary: All Personnel	\$ 695,000.00	\$ 64,263.57	\$ 402,459.25	\$ 292,540.75	57.91%
924-924-515500	Vacation Pay	\$ 37,000.00	\$ 1,697.39	\$ 25,482.30	\$ 11,517.70	68.87%
924-924-515600	Holiday Pay	\$ 29,000.00	\$ 4,497.63	\$ 14,515.21	\$ 14,484.79	50.05%
924-924-515800	Sick Pay	\$ 22,000.00	\$ 5,455.10	\$ 17,701.43	\$ 4,298.57	80.46%
924-924-516700	Wellness Programs	\$ 250.00	\$ -	\$ -	\$ 250.00	0.00%
924-924-517000	Oasdi/city Share 6.2%	\$ 42,780.00	\$ 4,618.50	\$ 27,894.82	\$ 14,885.18	65.21%
924-924-517001	Medicare/city Share 1.45%	\$ 10,050.00	\$ 1,080.17	\$ 6,523.92	\$ 3,526.08	64.91%
924-924-517401	IMRF	\$ 60,800.00	\$ 4,788.06	\$ 28,699.95	\$ 32,100.05	47.20%
924-924-518000	Group Insurance	\$ 161,020.00	\$ 7,849.72	\$ 59,650.49	\$ 101,369.51	37.05%
924-924-518300	Workers Comp Insurance	\$ 2,300.00	\$ -	\$ 2,142.00	\$ 158.00	93.13%
	Personnel	\$ 1,060,200.00	\$ 94,250.14	\$ 585,069.37	\$ 475,130.63	55.18%
924-924-520200	Office Supplies	\$ 6,900.00	\$ 239.01	\$ 2,510.26	\$ 4,389.74	36.38%
924-924-520300	Library Supplies	\$ 9,400.00	\$ 330.14	\$ 2,978.80	\$ 6,421.20	31.69%
924-924-520303	Reader-printer - Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-520400	Postage	\$ 900.00	\$ 43.70	\$ 720.89	\$ 179.11	80.10%
924-924-520600	Oclc Cataloging	\$ 5,600.00	\$ -	\$ 5,954.98	\$ (354.98)	106.34%
924-924-522700	Electronic Resources	\$ 17,000.00	\$ -	\$ 17,000.00	\$ -	100.00%
924-924-522701	E-Books	\$ 12,000.00	\$ -	\$ 4,000.00	\$ 8,000.00	33.33%
924-924-522702	E-Audiobooks	\$ 10,400.00	\$ -	\$ 3,466.00	\$ 6,934.00	33.33%
924-924-522703	E-Videos	\$ 1,000.00	\$ -	\$ 1,000.00	\$ -	100.00%
924-924-523301	Adult * Books - Fiction	\$ 20,000.00	\$ 1,248.29	\$ 14,675.91	\$ 5,324.09	73.38%
924-924-523302	Children's * Books - Fict	\$ 18,500.00	\$ 2,587.32	\$ 11,444.49	\$ 7,055.51	61.86%
924-924-523304	Large Print Books	\$ 8,000.00	\$ 605.57	\$ 5,156.52	\$ 2,843.48	64.46%
924-924-523401	Adult * Books - Non-fict	\$ 20,000.00	\$ 1,770.35	\$ 13,218.02	\$ 6,781.98	66.09%
924-924-523402	Children's * Books - Non-	\$ 10,800.00	\$ 175.24	\$ 2,806.36	\$ 7,993.64	25.98%
924-924-523404	Large Print Books	\$ 300.00	\$ 30.39	\$ 114.84	\$ 185.16	38.28%
924-924-523500	Rental Book Purchase	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
924-924-523501	Adult * Periodicals	\$ 4,250.00	\$ -	\$ 2,345.49	\$ 1,904.51	55.19%
924-924-523502	Children's * Periodicals	\$ 600.00	\$ -	\$ 475.11	\$ 124.89	79.19%
924-924-523603	Music CD's	\$ 1,200.00	\$ 94.94	\$ 601.83	\$ 598.17	50.15%
924-924-523700	Video DVD's	\$ 6,000.00	\$ 382.29	\$ 3,281.34	\$ 2,718.66	54.69%
924-924-523701	Adult Audiobooks	\$ 3,000.00	\$ 77.98	\$ 1,799.74	\$ 1,200.26	59.99%
924-924-523702	Children's Audiobooks	\$ 1,300.00	\$ -	\$ 1,246.68	\$ 53.32	95.90%
924-924-523709	Capitalized Books	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-523900	Program Supplies	\$ 1,200.00	\$ 142.89	\$ 852.97	\$ 347.03	71.08%
924-924-523901	Adult * Programs	\$ 8,000.00	\$ 687.23	\$ 3,605.87	\$ 4,394.13	45.07%
924-924-523902	Children's * Programs	\$ 14,000.00	\$ 1,050.00	\$ 10,418.48	\$ 3,581.52	74.42%
924-924-529000	Equipment	\$ 4,900.00	\$ -	\$ 1,924.36	\$ 2,975.64	39.27%
	Supplies & Materials	\$ 185,250.00	\$ 9,465.34	\$ 111,598.94	\$ 73,651.06	60.24%
924-924-520302	Copy Machine - Rental And	\$ 10,500.00	\$ 986.11	\$ 11,550.99	\$ (1,050.99)	110.01%
924-924-534300	Equipment - Repairs And M	\$ 8,000.00	\$ -	\$ 10,183.67	\$ (2,183.67)	127.30%
924-924-534600	Building Repairs & Mainte	\$ 26,000.00	\$ 825.80	\$ 18,748.59	\$ 7,251.41	72.11%
924-924-538000	Maintenance Agreements	\$ 84,900.00	\$ 6,157.20	\$ 56,922.40	\$ 27,977.60	67.05%
924-924-550101	Electricity	\$ 60,000.00	\$ -	\$ 28,851.50	\$ 31,148.50	48.09%
924-924-550102	Water	\$ 5,775.00	\$ 410.05	\$ 3,758.74	\$ 2,016.26	65.09%
924-924-550103	Gas	\$ 13,500.00	\$ 106.18	\$ 5,021.25	\$ 8,478.75	37.19%
924-924-550300	Telephone	\$ 3,400.00	\$ 278.38	\$ 2,142.19	\$ 1,257.81	63.01%
924-924-550900	General Insurance	\$ 19,000.00	\$ -	\$ 20,150.00	\$ (1,150.00)	106.05%
924-924-551507	Purchases - Newspapers	\$ 3,700.00	\$ -	\$ 1,771.30	\$ 1,928.70	47.87%
924-924-551600	Dues And Subscriptions	\$ 2,100.00	\$ 125.00	\$ 1,021.00	\$ 1,079.00	48.62%
924-924-551900	Lost Books / Ill	\$ 300.00	\$ -	\$ 225.91	\$ 74.09	75.30%
924-924-554206	Conference And Meeting Ex	\$ 3,300.00	\$ 15.30	\$ 1,045.10	\$ 2,254.90	31.67%
924-924-554207	Travel	\$ 2,775.00	\$ 118.42	\$ 690.77	\$ 2,084.23	24.89%
924-924-560100	Auditing Fees	\$ -	\$ -	\$ 3,750.00	\$ (3,750.00)	0.00%
924-924-561500	Property Management Exper	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-563204	Isp	\$ 4,000.00	\$ 314.99	\$ 2,519.92	\$ 1,480.08	63.00%
924-924-569000	Other Contractual Service	\$ 500.00	\$ -	\$ 650.00	\$ (150.00)	130.00%
924-924-599100	Staff Purchases	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-599200	Designated Fund Purchases	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-599300	Purchases From Gifts	\$ 10,000.00	\$ 269.50	\$ 8,274.89	\$ 1,725.11	82.75%
924-924-599301	Purchases From Endowment	\$ 200.00	\$ -	\$ 18,522.86	\$ (18,322.86)	9261.43%
924-924-599801	Computer Software	\$ 3,000.00	\$ 442.90	\$ 1,648.57	\$ 1,351.43	54.95%
924-924-599803	Literacy Grant Purchases	\$ 1,690.00	\$ -	\$ -	\$ 1,690.00	0.00%
	Contractual Services	\$ 262,640.00	\$ 10,049.83	\$ 197,449.65	\$ 65,190.35	75.18%
924-924-580400	Building Purchase/constru	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-580401	Building Repair	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-598800	Capital Development	\$ 92,070.00	\$ 20,753.26	\$ 69,266.91	\$ 22,803.09	75.23%
	Capital Outlay	\$ 92,070.00	\$ 20,753.26	\$ 69,266.91	\$ 22,803.09	75.23%
924-924-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-566300	Circulation System	\$ 31,000.00	\$ -	\$ 32,139.00	\$ (1,139.00)	103.67%
924-924-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-598300	Per Capita Grant	\$ 46,810.00	\$ -	\$ 8,958.39	\$ 37,851.61	19.14%
924-924-598400	Passport Expense	\$ 2,100.00	\$ 160.20	\$ 1,446.58	\$ 653.42	68.88%
924-924-598700	Transfer To Friends	\$ 11,000.00	\$ 1,299.52	\$ 9,970.60	\$ 1,029.40	90.64%
924-924-599000	Miscellaneous	\$ 2,000.00	\$ 40.00	\$ 2,373.90	\$ (373.90)	118.70%
924-924-599302	Fixed Asset Transfer	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-599700	Fixed Asset Disposal	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-599802	Computer Hardware	\$ 5,500.00	\$ 312.42	\$ 4,323.70	\$ 1,176.30	78.61%



General Ledger

Non General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
924-924-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
924-924-599999	Contingency	\$ 3,986.00	\$ -	\$ -	\$ 3,986.00	0.00%
	Other Expenditures	\$ 102,396.00	\$ 1,812.14	\$ 59,212.17	\$ 43,183.83	57.83%
924-924-590400	Interest Paid	\$ 99,656.25	\$ -	\$ 145,625.00	\$ (45,968.75)	146.13%
924-924-591000	Bond Principal Retired	\$ 298,969.00	\$ -	\$ 260,000.00	\$ 38,969.00	86.97%
924-924-591101	Bond Issuance Costs	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Service	\$ 398,625.25	\$ -	\$ 405,625.00	\$ (6,999.75)	101.76%
924-924-520100	Transfer to General Fund	\$ 45,000.00	\$ -	\$ 7,500.00	\$ 37,500.00	16.67%
924-924-544100	Transfer To General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ 45,000.00	\$ -	\$ 7,500.00	\$ 37,500.00	16.67%
924	Library	\$ (0.25)	\$ (126,494.55)	\$ 481,721.17	\$ (481,721.42)	0.00%
924	Library	\$ (0.25)	\$ (126,494.55)	\$ 481,721.17	\$ (481,721.42)	0.00%
Revenue Total		\$ 47,043,827.55	\$ 2,778,018.29	\$ 25,883,092.84	\$ 21,160,734.71	5501.91%
Expense Total		\$ 50,901,795.41	\$ 2,612,246.81	\$ 22,872,824.97	\$ 28,028,970.44	4493.52%
Grand Total		\$ (3,857,967.86)	\$ 165,771.48	\$ 3,010,267.87	\$ (6,868,235.73)	-78.03%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100	General Fund					
100-001-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
100-001-510100	Salary: Elected Officials	\$ 50,000.00	\$ 3,750.02	\$ 30,898.58	\$ 19,101.42	61.80%
100-001-511600	Salary: All Personnel	\$ 100,643.00	\$ 8,704.44	\$ 14,356.94	\$ 86,286.06	14.27%
100-001-515500	Vacation Pay	\$ 3,870.00	\$ 784.62	\$ 784.62	\$ 3,085.38	20.27%
100-001-515600	Holiday Pay	\$ 3,769.00	\$ 261.54	\$ 261.54	\$ 3,507.46	6.94%
100-001-515800	Sick Pay	\$ 519.00	\$ -	\$ -	\$ 519.00	0.00%
100-001-517000	Oasdi/city Share 6.2%	\$ 9,846.00	\$ 870.85	\$ 2,904.35	\$ 6,941.65	29.50%
100-001-517001	Medicare/city Share 1.45%	\$ 2,303.00	\$ 194.72	\$ 670.29	\$ 1,632.71	29.11%
100-001-517401	IMRF	\$ 10,010.00	\$ 285.15	\$ 285.15	\$ 9,724.85	2.85%
100-001-517402	ICMA Retirement	\$ -	\$ -	\$ -	\$ -	0.00%
100-001-518000	Group Insurance	\$ 20,151.00	\$ 529.16	\$ 529.16	\$ 19,621.84	2.63%
100-001-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-001-518300	Workers Comp Insurance	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
100-001-559000	Medical Expense/supplies	\$ -	\$ 108.00	\$ 108.00	\$ (108.00)	0.00%
	Personnel	\$ 202,611.00	\$ 15,488.50	\$ 50,798.63	\$ 151,812.37	25.07%
100-001-519000	Training And Education	\$ 6,000.00	\$ 363.98	\$ 5,122.21	\$ 877.79	85.37%
	Training & Education	\$ 6,000.00	\$ 363.98	\$ 5,122.21	\$ 877.79	85.37%
100-001-520200	Office Supplies	\$ 150.00	\$ 257.20	\$ 856.83	\$ (706.83)	571.22%
100-001-520400	Postage	\$ 100.00	\$ -	\$ 4.07	\$ 95.93	4.07%
100-001-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 250.00	\$ 257.20	\$ 860.90	\$ (610.90)	344.36%
100-001-518100	Liability Insurance Premiums	\$ 13,000.00	\$ -	\$ -	\$ 13,000.00	0.00%
100-001-524000	Lease/rental Of Equipment	\$ 1,400.00	\$ 255.42	\$ 1,021.68	\$ 378.32	72.98%
100-001-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
100-001-538000	Maintenance Agreements	\$ 2,500.00	\$ 284.40	\$ 3,010.75	\$ (510.75)	120.43%
100-001-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-001-551600	Dues And Subscriptions	\$ 2,000.00	\$ 384.00	\$ 2,915.25	\$ (915.25)	145.76%
100-001-555000	Radio Expense	\$ -	\$ -	\$ -	\$ -	0.00%
100-001-560500	Consulting Services	\$ -	\$ -	\$ -	\$ -	0.00%
100-001-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-001-569000	Other Contractual Service	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	0.00%
100-001-598100	Public Relations	\$ -	\$ -	\$ 90.77	\$ (90.77)	0.00%
100-001-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 28,900.00	\$ 923.82	\$ 7,038.45	\$ 21,861.55	24.35%
100-001-587100	Office Equipment & Furniture	\$ -	\$ 140.49	\$ 140.49	\$ (140.49)	0.00%
	Capital Outlay	\$ -	\$ 140.49	\$ 140.49	\$ (140.49)	0.00%
100-001-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
100-001-551000	Printing And Publications	\$ 200.00	\$ 281.86	\$ 659.05	\$ (459.05)	329.53%
100-001-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-001-599000	Miscellaneous	\$ -	\$ -	\$ 127.10	\$ (127.10)	0.00%
100-001-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 200.00	\$ 281.86	\$ 786.15	\$ (586.15)	393.08%
001	Administration	\$ (237,961.00)	\$ (17,455.85)	\$ (64,746.83)	\$ (173,214.17)	27.21%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-003-495600	Insurance Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
100-003-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
100-003-511600	Salary: All Personnel	\$ 132,560.00	\$ -	\$ -	\$ 132,560.00	0.00%
100-003-515000	Overtime	\$ -	\$ -	\$ -	\$ -	0.00%
100-003-515500	Vacation Pay	\$ 5,576.00	\$ -	\$ -	\$ 5,576.00	0.00%
100-003-515600	Holiday Pay	\$ 5,576.00	\$ -	\$ -	\$ 5,576.00	0.00%
100-003-515800	Sick Pay	\$ 1,288.00	\$ -	\$ -	\$ 1,288.00	0.00%
100-003-517000	Oasdi/city Share 6.2%	\$ 8,990.00	\$ -	\$ -	\$ 8,990.00	0.00%
100-003-517001	Medicare/city share 1.45%	\$ 2,103.00	\$ -	\$ -	\$ 2,103.00	0.00%
100-003-517401	IMRF	\$ 13,340.00	\$ -	\$ -	\$ 13,340.00	0.00%
100-003-518000	Group Insurance	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	0.00%
100-003-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-003-518300	Workers Comp Insurance	\$ 350.00	\$ -	\$ -	\$ 350.00	0.00%
100-003-559000	Medical Expense/Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ 194,783.00	\$ -	\$ -	\$ 194,783.00	0.00%
100-003-519000	Training And Education	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%
	Training & Education	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%
100-003-520200	Office Supplies	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
100-003-520400	Postage	\$ 250.00	\$ -	\$ -	\$ 250.00	0.00%
100-003-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 750.00	\$ -	\$ -	\$ 750.00	0.00%
100-003-518100	Liability Insurance Premiums	\$ 7,000.00	\$ -	\$ -	\$ 7,000.00	0.00%
100-003-551600	Dues And Subscriptions	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-003-560600	Corporate Counsel Fees	\$ 75,000.00	\$ 21,943.83	\$ 192,166.01	\$ (117,166.01)	256.22%
100-003-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-003-561001	Legal Services - Police Labor	\$ 10,000.00	\$ 6,314.25	\$ 19,267.24	\$ (9,267.24)	192.67%
100-003-561002	Legal Services - Fire Labor	\$ 10,000.00	\$ -	\$ 3,611.00	\$ 6,389.00	36.11%
100-003-561003	Legal Services - Teamsters	\$ 10,000.00	\$ -	\$ 4,859.00	\$ 5,141.00	48.59%
100-003-561004	Admin Hearing Officer	\$ 10,000.00	\$ 1,280.00	\$ 6,190.00	\$ 3,810.00	61.90%
100-003-569000	Other Contractual Service	\$ -	\$ -	\$ -	\$ -	0.00%
100-003-593000	Suits And Damages	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 123,000.00	\$ 29,538.08	\$ 226,093.25	\$ (103,093.25)	183.82%
100-003-587100	Office Equipment & Furniture	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	0.00%
	Capital Outlay	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	0.00%
100-003-518700	Mileage	\$ 150.00	\$ -	\$ -	\$ 150.00	0.00%
100-003-551000	Printing And Publications	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
100-003-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-003-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
100-003-599700	Income Credit	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 650.00	\$ -	\$ -	\$ 650.00	0.00%
003	Legal	\$ (326,183.00)	\$ (29,538.08)	\$ (226,093.25)	\$ (100,089.75)	69.31%
100-004-451600	Dog Reclamation Fees	\$ 5,000.00	\$ 200.00	\$ 4,550.00	\$ 450.00	91.00%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-004-451900	Sales - Ordinances & Maps	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-452100	Liquor License App Fees	\$ 750.00	\$ 150.00	\$ 750.00	\$ -	100.00%
100-004-452200	Vicious Dog Fee	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-452500	Dangerous Dog Fee	\$ 200.00	\$ -	\$ -	\$ 200.00	0.00%
	Fees/Charges For Service	\$ 5,950.00	\$ 350.00	\$ 5,300.00	\$ 650.00	89.08%
100-004-463700	Liquor Fines	\$ 500.00	\$ -	\$ 1,500.00	\$ (1,000.00)	300.00%
	Fines And Forfeitures	\$ 500.00	\$ -	\$ 1,500.00	\$ (1,000.00)	300.00%
100-004-420100	Liquor Licenses	\$ 71,000.00	\$ 500.00	\$ 3,933.33	\$ 67,066.67	5.54%
100-004-420200	Cigarette Licenses	\$ 1,850.00	\$ -	\$ 150.00	\$ 1,700.00	8.11%
100-004-420300	One Day Liquor License	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-420400	Juke Box Licenses	\$ 600.00	\$ -	\$ 125.00	\$ 475.00	20.83%
100-004-420600	Auctioneer Licenses	\$ 60.00	\$ -	\$ 50.00	\$ 10.00	83.33%
100-004-420650	Body Works License	\$ 450.00	\$ -	\$ 250.00	\$ 200.00	55.56%
100-004-421100	Peddler Licenses	\$ 350.00	\$ 291.66	\$ 6,095.84	\$ (5,745.84)	1741.67%
100-004-421200	Push Carts	\$ 250.00	\$ -	\$ 250.00	\$ -	100.00%
100-004-421300	Transient Merchant License	\$ 800.00	\$ -	\$ 550.00	\$ 250.00	68.75%
100-004-421400	Mechanical Amusement Machine	\$ 3,154.00	\$ -	\$ 500.00	\$ 2,654.00	15.85%
100-004-421500	State Video Machines	\$ 200,000.00	\$ -	\$ -	\$ 200,000.00	0.00%
100-004-421505	Video Gaming Est. Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-421510	Theater License	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-421600	Secondhand Dlr/Pawnbroker	\$ 250.00	\$ -	\$ 50.00	\$ 200.00	20.00%
100-004-421700	Raffle License	\$ 900.00	\$ 30.00	\$ 370.00	\$ 530.00	41.11%
100-004-421800	Billiards,Bowling,Pool License	\$ 700.00	\$ -	\$ 125.00	\$ 575.00	17.86%
100-004-421900	Bowling License	\$ 25.00	\$ -	\$ -	\$ 25.00	0.00%
100-004-422200	Taxicab License	\$ 100.00	\$ -	\$ -	\$ 100.00	0.00%
100-004-422300	Scrap Dealer License	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-422900	Miscellaneous Licenses	\$ 600.00	\$ -	\$ -	\$ 600.00	0.00%
100-004-426200	Loudspeaker Permits	\$ 50.00	\$ -	\$ 3.00	\$ 47.00	6.00%
100-004-426300	Special Events Permits	\$ 275.00	\$ -	\$ 325.00	\$ (50.00)	118.18%
	Licenses And Permits	\$ 281,414.00	\$ 821.66	\$ 12,777.17	\$ 268,636.83	4.54%
100-004-498900	Non Sufficient Funds Fee	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-499800	Miscellaneous Receipts	\$ 200.00	\$ -	\$ 25.70	\$ 174.30	12.85%
100-004-499802	Cash Over/Short	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ 200.00	\$ -	\$ 25.70	\$ 174.30	12.85%
100-004-511600	Salary: All Personnel	\$ 141,735.00	\$ 14,256.79	\$ 97,284.96	\$ 44,450.04	68.64%
100-004-515000	Overtime	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-515500	Vacation Pay	\$ 12,500.00	\$ 3,099.30	\$ 9,109.14	\$ 3,390.86	72.87%
100-004-515600	Holiday Pay	\$ 7,000.00	\$ 1,239.72	\$ 3,719.16	\$ 3,280.84	53.13%
100-004-515800	Sick Pay	\$ 1,500.00	\$ -	\$ 1,310.38	\$ 189.62	87.36%
100-004-517000	Oasdi/city Share 6.2%	\$ 10,090.00	\$ 1,117.59	\$ 6,654.03	\$ 3,435.97	65.95%
100-004-517001	Medicare/city Share 1.45%	\$ 2,360.00	\$ 261.36	\$ 1,556.12	\$ 803.88	65.94%
100-004-517401	IMRF	\$ 15,000.00	\$ 1,351.92	\$ 8,100.52	\$ 6,899.48	54.00%
100-004-518000	Group Insurance	\$ 28,000.00	\$ 2,491.10	\$ 19,928.80	\$ 8,071.20	71.17%
100-004-518300	Workers Comp Insurance	\$ 385.00	\$ -	\$ -	\$ 385.00	0.00%
100-004-559000	Medical Expense/supplies	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ 218,570.00	\$ 23,817.78	\$ 147,663.11	\$ 70,906.89	67.56%
100-004-519000	Training And Education	\$ 3,000.00	\$ 85.94	\$ 1,875.39	\$ 1,124.61	62.51%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
	Training & Education	\$ 3,000.00	\$ 85.94	\$ 1,875.39	\$ 1,124.61	62.51%
100-004-520200	Office Supplies	\$ 150.00	\$ 30.75	\$ 158.93	\$ (8.93)	105.95%
100-004-520400	Postage	\$ 250.00	\$ 88.52	\$ 127.52	\$ 122.48	51.01%
100-004-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 400.00	\$ 119.27	\$ 286.45	\$ 113.55	71.61%
100-004-518100	Liability Insurance Premiums	\$ 7,000.00	\$ -	\$ -	\$ 7,000.00	0.00%
100-004-524000	Lease/rental Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-551600	Dues And Subscriptions	\$ 750.00	\$ -	\$ 485.00	\$ 265.00	64.67%
100-004-569000	Other Contractual Service	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%
100-004-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 12,750.00	\$ -	\$ 485.00	\$ 12,265.00	3.80%
100-004-587100	Office Equipment & Furniture	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-518700	Mileage	\$ 50.00	\$ 15.07	\$ 30.14	\$ 19.86	60.28%
100-004-551000	Printing And Publications	\$ 5,000.00	\$ 209.40	\$ 3,744.30	\$ 1,255.70	74.89%
100-004-554200	Meals Lodging	\$ 400.00	\$ -	\$ -	\$ 400.00	0.00%
100-004-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
100-004-599802	Computer Hardware	\$ -	\$ 136.10	\$ 136.10	\$ (136.10)	0.00%
	Other Expenditures	\$ 5,450.00	\$ 360.57	\$ 3,910.54	\$ 1,539.46	71.75%
100-004-520941	Transfer to Police Pension	\$ 80,000.00	\$ -	\$ -	\$ 80,000.00	0.00%
100-004-520944	Transfer to Fire Pension	\$ 120,000.00	\$ -	\$ -	\$ 120,000.00	0.00%
	Transfers To Other Funds	\$ 200,000.00	\$ -	\$ -	\$ 200,000.00	0.00%
004	City Clerk	\$ (152,106.00)	\$ (23,211.90)	\$ (134,617.62)	\$ (17,488.38)	88.50%
100-005-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
100-005-511600	Salary: All Personnel	\$ 118,029.00	\$ 8,842.34	\$ 29,379.55	\$ 88,649.45	24.89%
100-005-515000	Overtime	\$ -	\$ -	\$ -	\$ -	0.00%
100-005-515500	Vacation Pay	\$ 9,000.00	\$ 368.11	\$ 1,107.32	\$ 7,892.68	12.30%
100-005-515600	Holiday Pay	\$ 3,500.00	\$ 677.82	\$ 1,273.85	\$ 2,226.15	36.40%
100-005-515800	Sick Pay	\$ 1,500.00	\$ 279.02	\$ 1,016.72	\$ 483.28	67.78%
100-005-517000	Oasdi/city Share 6.2%	\$ 8,186.00	\$ 611.06	\$ 1,974.54	\$ 6,211.46	24.12%
100-005-517001	Medicare/city Share 1.45%	\$ 1,914.00	\$ 142.90	\$ 461.61	\$ 1,452.39	24.12%
100-005-517401	IMRF	\$ 9,599.00	\$ 739.14	\$ 2,382.83	\$ 7,216.17	24.82%
100-005-518000	Group Insurance	\$ 12,000.00	\$ 2,283.30	\$ 6,815.02	\$ 5,184.98	56.79%
100-005-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-005-518300	Workers Comp Insurance	\$ 400.00	\$ -	\$ -	\$ 400.00	0.00%
100-005-559000	Medical Expense/supplies	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
	Personnel	\$ 164,628.00	\$ 13,943.69	\$ 44,411.44	\$ 120,216.56	26.98%
100-005-519000	Training And Education	\$ 7,500.00	\$ -	\$ 2,018.79	\$ 5,481.21	26.92%
	Training & Education	\$ 7,500.00	\$ -	\$ 2,018.79	\$ 5,481.21	26.92%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-005-520200	Office Supplies	\$ 600.00	\$ -	\$ 198.51	\$ 401.49	33.09%
100-005-520400	Postage	\$ 250.00	\$ 0.63	\$ 180.18	\$ 69.82	72.07%
100-005-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 850.00	\$ 0.63	\$ 378.69	\$ 471.31	44.55%
100-005-518100	Liability Insurance Premiums	\$ 14,000.00	\$ -	\$ -	\$ 14,000.00	0.00%
100-005-524000	Lease/rental Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-005-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
100-005-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
100-005-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-005-551600	Dues And Subscriptions	\$ 2,500.00	\$ 1,110.00	\$ 1,704.00	\$ 796.00	68.16%
100-005-569000	Other Contractual Service	\$ 50,000.00	\$ 12,829.65	\$ 69,863.81	\$ (19,863.81)	139.73%
100-005-597900	Employee Recognition	\$ 1,500.00	\$ 1,203.45	\$ 2,570.14	\$ (1,070.14)	171.34%
100-005-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 68,000.00	\$ 15,143.10	\$ 74,137.95	\$ (6,137.95)	109.03%
100-005-587100	Office Equipment & Furniture	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%
100-005-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
100-005-551000	Printing And Publications	\$ 5,000.00	\$ 650.00	\$ 871.86	\$ 4,128.14	17.44%
100-005-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-005-599000	Miscellaneous	\$ -	\$ -	\$ 413.73	\$ (413.73)	0.00%
100-005-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 5,000.00	\$ 650.00	\$ 1,285.59	\$ 3,714.41	25.71%
005	Personnel	\$ (245,978.00)	\$ (29,737.42)	\$ (122,232.46)	\$ (123,745.54)	49.69%
100-006-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
100-006-511600	Salary: All Personnel	\$ 284,828.00	\$ 25,833.21	\$ 174,857.21	\$ 109,970.79	61.39%
100-006-515000	Overtime	\$ -	\$ -	\$ 21.32	\$ (21.32)	0.00%
100-006-515500	Vacation Pay	\$ 15,000.00	\$ 1,003.87	\$ 13,273.21	\$ 1,726.79	88.49%
100-006-515600	Holiday Pay	\$ 12,000.00	\$ 1,811.72	\$ 5,242.47	\$ 6,757.53	43.69%
100-006-515800	Sick Pay	\$ 5,500.00	\$ 2,457.58	\$ 5,409.59	\$ 90.41	98.36%
100-006-517000	Oasdi/city Share 6.2%	\$ 20,042.00	\$ 1,886.45	\$ 11,632.08	\$ 8,409.92	58.04%
100-006-517001	Medicare/city Share 1.45%	\$ 4,687.00	\$ 441.21	\$ 2,720.62	\$ 1,966.38	58.05%
100-006-517401	IMRF	\$ 24,196.00	\$ 2,261.53	\$ 13,337.97	\$ 10,858.03	55.12%
100-006-518000	Group Insurance	\$ 75,000.00	\$ 4,695.80	\$ 38,207.89	\$ 36,792.11	50.94%
100-006-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-006-518300	Workers Comp Insurance	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
100-006-559000	Medical Expense/supplies	\$ 200.00	\$ 108.00	\$ 324.00	\$ (124.00)	162.00%
	Personnel	\$ 442,953.00	\$ 40,499.37	\$ 265,026.36	\$ 177,926.64	59.83%
100-006-519000	Training And Education	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00	0.00%
	Training & Education	\$ 15,000.00	\$ -	\$ -	\$ 15,000.00	0.00%
100-006-520200	Office Supplies	\$ 1,500.00	\$ 102.17	\$ 591.59	\$ 908.41	39.44%
100-006-520400	Postage	\$ 3,500.00	\$ 245.88	\$ 2,320.69	\$ 1,179.31	66.31%
100-006-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
	Supplies & Materials	\$ 5,000.00	\$ 348.05	\$ 2,912.28	\$ 2,087.72	58.25%
100-006-518100	Liability Insurance Premiums	\$ 16,500.00	\$ -	\$ -	\$ 16,500.00	0.00%
100-006-524000	Lease/rental Of Equipment	\$ 1,600.00	\$ 255.42	\$ 1,021.68	\$ 578.32	63.86%
100-006-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
100-006-538000	Maintenance Agreements	\$ 1,100.00	\$ 6.69	\$ 250.03	\$ 849.97	22.73%
100-006-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-006-551600	Dues And Subscriptions	\$ 850.00	\$ -	\$ 66.95	\$ 783.05	7.88%
100-006-560100	Auditing Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-006-560800	Collection Agency Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-006-569000	Other Contractual Service	\$ 60,000.00	\$ 9,687.36	\$ 99,515.41	\$ (39,515.41)	165.86%
100-006-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 80,050.00	\$ 9,949.47	\$ 100,854.07	\$ (20,804.07)	125.99%
100-006-587100	Office Equipment & Furniture	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
	Capital Outlay	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-006-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
100-006-551000	Printing And Publications	\$ 3,500.00	\$ -	\$ 2,966.76	\$ 533.24	84.76%
100-006-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-006-599000	Miscellaneous	\$ -	\$ 136.59	\$ 272.49	\$ (272.49)	0.00%
100-006-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 3,500.00	\$ 136.59	\$ 3,239.25	\$ 260.75	92.55%
100-006-520900	Transfer To Tpecc	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
006	Finance	\$ (547,503.00)	\$ (50,933.48)	\$ (372,031.96)	\$ (175,471.04)	67.95%
100-007-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-511600	Salary: All Personnel	\$ 241,711.00	\$ 17,484.53	\$ 103,937.02	\$ 137,773.98	43.00%
100-007-515000	Overtime	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-515500	Vacation Pay	\$ 12,789.00	\$ 760.15	\$ 8,253.88	\$ 4,535.12	64.54%
100-007-515600	Holiday Pay	\$ 9,745.00	\$ 1,328.98	\$ 3,787.14	\$ 5,957.86	38.86%
100-007-515800	Sick Pay	\$ 7,862.00	\$ 472.99	\$ 2,583.90	\$ 5,278.10	32.87%
100-007-517000	Oasdi/city Share 6.2%	\$ 15,671.00	\$ 1,193.46	\$ 6,981.47	\$ 8,689.53	44.55%
100-007-517001	Medicare/city Share 1.45%	\$ 3,660.00	\$ 279.03	\$ 1,632.37	\$ 2,027.63	44.60%
100-007-517401	IMRF	\$ 31,403.00	\$ 1,449.38	\$ 8,554.62	\$ 22,848.38	27.24%
100-007-518000	Group Insurance	\$ 58,562.00	\$ 5,335.91	\$ 40,052.36	\$ 18,509.64	68.39%
100-007-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-518300	Workers Comp Insurance	\$ 8,500.00	\$ -	\$ -	\$ 8,500.00	0.00%
100-007-554300	Uniforms And Tools	\$ 500.00	\$ -	\$ 381.63	\$ 118.37	76.33%
100-007-557200	License And Inspection Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-559000	Medical Expense/supplies	\$ -	\$ -	\$ 108.00	\$ (108.00)	0.00%
	Personnel	\$ 390,403.00	\$ 28,304.43	\$ 176,272.39	\$ 214,130.61	45.15%
100-007-519000	Training And Education	\$ 3,000.00	\$ 620.00	\$ 1,372.52	\$ 1,627.48	45.75%
	Training & Education	\$ 3,000.00	\$ 620.00	\$ 1,372.52	\$ 1,627.48	45.75%
100-007-520200	Office Supplies	\$ 400.00	\$ 6.89	\$ 157.62	\$ 242.38	39.41%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-007-520400	Postage	\$ 400.00	\$ 30.97	\$ 189.09	\$ 210.91	47.27%
100-007-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-522400	General Supplies	\$ 500.00	\$ -	\$ 331.05	\$ 168.95	66.21%
100-007-529000	Equipment	\$ 1,000.00	\$ -	\$ 566.90	\$ 433.10	56.69%
100-007-556100	Gasoline/diesel Fuel	\$ 3,000.00	\$ 527.10	\$ 3,412.85	\$ (412.85)	113.76%
	Supplies & Materials	\$ 5,300.00	\$ 564.96	\$ 4,657.51	\$ 642.49	87.88%
100-007-518100	Liability Insurance Premiums	\$ 8,000.00	\$ -	\$ -	\$ 8,000.00	0.00%
100-007-524000	Lease/rental Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-534000	Automotive Expense	\$ -	\$ 285.40	\$ 1,630.64	\$ (1,630.64)	0.00%
100-007-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-551600	Dues And Subscriptions	\$ 3,500.00	\$ 61.35	\$ 2,536.35	\$ 963.65	72.47%
100-007-555000	Radio Expense	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-569000	Other Contractual Service	\$ 125,000.00	\$ 7,850.00	\$ 48,550.00	\$ 76,450.00	38.84%
100-007-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 136,500.00	\$ 8,196.75	\$ 52,716.99	\$ 83,783.01	38.62%
100-007-587000	Machinery And Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-587100	Office Equipment & Furniture	\$ -	\$ -	\$ 395.00	\$ (395.00)	0.00%
100-007-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ 395.00	\$ (395.00)	0.00%
100-007-518700	Mileage	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-007-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-554200	Meals Lodging	\$ -	\$ -	\$ 1,283.79	\$ (1,283.79)	0.00%
100-007-593300	Lien Filing Fee	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 1,000.00	\$ -	\$ 1,283.79	\$ (283.79)	128.38%
100-007-520231	Transfer To Sewerage Fund	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-520240	Transfer To Motor Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
100-007-520261	Transfer To Hud #2	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
007	Public Works	\$ (536,203.00)	\$ (37,686.14)	\$ (236,698.20)	\$ (299,504.80)	44.14%
100-009-511600	Salary: All Personnel	\$ 80,706.00	\$ 10,219.70	\$ 61,306.78	\$ 19,399.22	75.96%
100-009-515000	Overtime	\$ 5,000.00	\$ 3,092.35	\$ 17,301.13	\$ (12,301.13)	346.02%
100-009-515500	Vacation Pay	\$ 8,000.00	\$ 970.34	\$ 5,373.12	\$ 2,626.88	67.16%
100-009-515600	Holiday Pay	\$ 5,000.00	\$ 778.60	\$ 2,738.74	\$ 2,261.26	54.77%
100-009-515800	Sick Pay	\$ 3,500.00	\$ -	\$ 850.11	\$ 2,649.89	24.29%
100-009-517000	Oasdi/city Share 6.2%	\$ 6,337.00	\$ 905.20	\$ 5,228.67	\$ 1,108.33	82.51%
100-009-517001	Medicare/city Share 1.45%	\$ 1,482.00	\$ 211.73	\$ 1,222.83	\$ 259.17	82.51%
100-009-517401	IMRF	\$ 11,000.00	\$ 1,094.88	\$ 6,366.32	\$ 4,633.68	57.88%
100-009-518000	Group Insurance	\$ 24,000.00	\$ 1,729.65	\$ 13,837.01	\$ 10,162.99	57.65%
100-009-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-009-518300	Workers Comp Insurance	\$ 350.00	\$ -	\$ -	\$ 350.00	0.00%
100-009-559000	Medical Expense/supplies	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
	Personnel	\$ 145,375.00	\$ 19,002.45	\$ 114,224.71	\$ 31,150.29	78.57%
100-009-519000	Training And Education	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%
	Training & Education	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%
100-009-520200	Office Supplies	\$ 100.00	\$ -	\$ -	\$ 100.00	0.00%
100-009-520400	Postage	\$ 200.00	\$ -	\$ -	\$ 200.00	0.00%
100-009-522400	General Supplies	\$ 5,000.00	\$ 167.10	\$ 2,249.15	\$ 2,750.85	44.98%
100-009-529000	Equipment	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
	Supplies & Materials	\$ 5,800.00	\$ 167.10	\$ 2,249.15	\$ 3,550.85	38.78%
100-009-518100	Liability Insurance Premiums	\$ 11,000.00	\$ -	\$ -	\$ 11,000.00	0.00%
100-009-534400	Equipment Repairs	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-009-538000	Maintenance Agreements	\$ 1,112,000.00	\$ 37,610.76	\$ 791,616.90	\$ 320,383.10	71.19%
100-009-550300	Telephone	\$ 250,000.00	\$ 43,963.96	\$ 185,915.41	\$ 64,084.59	74.37%
100-009-551600	Dues And Subscriptions	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-009-569000	Other Contractual Service	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	0.00%
100-009-599801	Computer Software	\$ 25,000.00	\$ 599.00	\$ 8,791.74	\$ 16,208.26	35.17%
	Contractual Services	\$ 1,405,000.00	\$ 82,173.72	\$ 986,324.05	\$ 418,675.95	70.20%
100-009-587100	Office Equipment & Furniture	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
	Capital Outlay	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-009-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
100-009-529500	AVL Equipment	\$ 18,500.00	\$ 1,455.05	\$ 10,185.35	\$ 8,314.65	55.06%
100-009-551000	Printing And Publications	\$ 50.00	\$ -	\$ -	\$ 50.00	0.00%
100-009-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-009-599000	Miscellaneous	\$ -	\$ -	\$ 102.92	\$ (102.92)	0.00%
100-009-599802	Computer Hardware	\$ 450,000.00	\$ 43,057.12	\$ 220,050.54	\$ 229,949.46	48.90%
	Other Expenditures	\$ 468,550.00	\$ 44,512.17	\$ 230,338.81	\$ 238,211.19	49.16%
009	I.T.	\$ (2,030,725.00)	\$ (145,855.44)	\$ (1,333,136.72)	\$ (697,588.28)	65.65%
100-032-410101	Re Tax Twp Levy-road & Br	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-412001	Replacement P/p Tax - Twp	\$ 95,000.00	\$ 3,775.44	\$ 51,137.23	\$ 43,862.77	53.83%
100-032-414001	Local Use Gas Tax	\$ -	\$ -	\$ -	\$ -	0.00%
	Taxes	\$ 95,000.00	\$ 3,775.44	\$ 51,137.23	\$ 43,862.77	53.83%
100-032-435000	IDOT - State Routes Maint	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-435200	Traffic Light Reimbursement	\$ 9,000.00	\$ -	\$ 21,988.26	\$ (12,988.26)	244.31%
100-032-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ 9,000.00	\$ -	\$ 21,988.26	\$ (12,988.26)	244.31%
100-032-451800	50 / 50 Sidewalk Project	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	0.00%
100-032-498900	Non Sufficient Funds Fee	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	0.00%
100-032-463500	Late Payment Penalty	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-463600	Interest Charges	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-494100	City Property Dmg Reimb	\$ 20,000.00	\$ -	\$ 8,056.56	\$ 11,943.44	40.28%
	Fines And Forfeitures	\$ 20,000.00	\$ -	\$ 8,056.56	\$ 11,943.44	40.28%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-032-425200	Street Opening Permits	\$ 375,000.00	\$ 151,950.00	\$ 235,490.20	\$ 139,509.80	62.80%
100-032-425400	Curb Cuts	\$ -	\$ -	\$ -	\$ -	0.00%
	Licenses And Permits	\$ 375,000.00	\$ 151,950.00	\$ 235,490.20	\$ 139,509.80	62.80%
100-032-491500	Sale of Municiple Property	\$ -	\$ -	\$ 4,890.00	\$ (4,890.00)	0.00%
100-032-494500	Honorary Street Designation	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-495600	Insurance Reimbursements	\$ -	\$ -	\$ 8,729.13	\$ (8,729.13)	0.00%
100-032-499400	Proceeds Of Auction	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-499404	Sale Of Equipment	\$ 2,000.00	\$ -	\$ 790.00	\$ 1,210.00	39.50%
100-032-499406	Sale Of Salt /FBOP, PCHS	\$ 500.00	\$ -	\$ 2,730.00	\$ (2,230.00)	546.00%
100-032-499800	Miscellaneous Receipts	\$ 1,000.00	\$ -	\$ 3,266.52	\$ (2,266.52)	326.65%
	Other Revenue	\$ 3,500.00	\$ -	\$ 20,405.65	\$ (16,905.65)	583.02%
100-032-440445	Transfer from Capital Project	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-511600	Salary: All Personnel	\$ 460,500.00	\$ 67,236.35	\$ 352,211.53	\$ 108,288.47	76.48%
100-032-514800	Yard Crew	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-515000	Overtime	\$ 45,000.00	\$ 6,908.79	\$ 40,068.15	\$ 4,931.85	89.04%
100-032-515500	Vacation Pay	\$ 50,000.00	\$ 8,676.65	\$ 51,467.26	\$ (1,467.26)	102.93%
100-032-515600	Holiday Pay	\$ 35,000.00	\$ 9,150.64	\$ 24,618.48	\$ 10,381.52	70.34%
100-032-515800	Sick Pay	\$ 30,000.00	\$ 7,002.35	\$ 32,280.82	\$ (2,280.82)	107.60%
100-032-515900	Injury Pay	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
100-032-517000	Oasdi/city Share 6.2%	\$ 60,512.00	\$ 6,184.15	\$ 30,243.75	\$ 30,268.25	49.98%
100-032-517001	Medicare/city Share 1.45%	\$ 14,152.00	\$ 1,446.37	\$ 7,073.55	\$ 7,078.45	49.98%
100-032-517401	IMRF	\$ 70,955.00	\$ 7,190.13	\$ 36,353.54	\$ 34,601.46	51.23%
100-032-518000	Group Insurance	\$ 160,000.00	\$ 20,007.43	\$ 147,493.11	\$ 12,506.89	92.18%
100-032-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-518300	Workers Comp Insurance	\$ 65,000.00	\$ -	\$ -	\$ 65,000.00	0.00%
100-032-554300	Uniforms And Tools	\$ 7,000.00	\$ 3,500.00	\$ 7,907.40	\$ (907.40)	112.96%
100-032-559000	Medical Expense/supplies	\$ 500.00	\$ 158.53	\$ 557.23	\$ (57.23)	111.45%
	Personnel	\$ 999,119.00	\$ 137,461.39	\$ 730,274.82	\$ 268,844.18	73.09%
100-032-519000	Training And Education	\$ 5,000.00	\$ -	\$ 210.00	\$ 4,790.00	4.20%
	Training & Education	\$ 5,000.00	\$ -	\$ 210.00	\$ 4,790.00	4.20%
100-032-520200	Office Supplies	\$ 500.00	\$ -	\$ 26.00	\$ 474.00	5.20%
100-032-520400	Postage	\$ 50.00	\$ -	\$ 27.44	\$ 22.56	54.88%
100-032-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-522400	General Supplies	\$ 50,000.00	\$ 1,836.32	\$ 41,705.35	\$ 8,294.65	83.41%
100-032-523000	Traffic/Street Signs & Marking	\$ 20,000.00	\$ 5,628.41	\$ 11,568.75	\$ 8,431.25	57.84%
100-032-529000	Equipment	\$ 15,000.00	\$ 1,126.66	\$ 25,035.66	\$ (10,035.66)	166.90%
100-032-535000	Material And Hauling	\$ 120,000.00	\$ 5,189.76	\$ 44,409.01	\$ 75,590.99	37.01%
100-032-556100	Gasoline/diesel Fuel	\$ 80,000.00	\$ 9,688.09	\$ 73,819.67	\$ 6,180.33	92.27%
	Supplies & Materials	\$ 285,550.00	\$ 23,469.24	\$ 196,591.88	\$ 88,958.12	68.85%
100-032-518100	Liability Insurance Premiums	\$ 25,000.00	\$ -	\$ -	\$ 25,000.00	0.00%
100-032-524000	Lease/rental Of Equipment	\$ 35,000.00	\$ 255.42	\$ 9,891.09	\$ 25,108.91	28.26%
100-032-532000	Electronic Equipment Main	\$ 50,000.00	\$ 2,268.60	\$ 20,631.15	\$ 29,368.85	41.26%
100-032-534000	Automotive Expense	\$ 125,000.00	\$ 24,170.76	\$ 86,998.61	\$ 38,001.39	69.60%
100-032-534400	Equipment Repairs	\$ 90,000.00	\$ 6,762.80	\$ 36,852.43	\$ 53,147.57	40.95%
100-032-534900	Sidewalk Renovation / Ins	\$ 200.00	\$ 592.00	\$ 2,626.05	\$ (2,426.05)	1313.03%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-032-536000	Tree Removal / Replacemen	\$ 200,000.00	\$ 23,132.25	\$ 179,550.50	\$ 20,449.50	89.78%
100-032-536300	Snow Removal - Salt And C	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-538000	Maintenance Agreements	\$ 600.00	\$ 56.96	\$ 499.22	\$ 100.78	83.20%
100-032-550100	Utilities	\$ 20,000.00	\$ 2,304.43	\$ 10,335.31	\$ 9,664.69	51.68%
100-032-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-550500	Electricity For Street Li	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-550600	Electricity For Signal Li	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-551600	Dues And Subscriptions	\$ 5,000.00	\$ -	\$ 816.40	\$ 4,183.60	16.33%
100-032-555000	Radio Expense	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-557300	Epa Permits	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-559900	Receivable Charge Off	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-560500	Consulting Services	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-561000	Attorney fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-561300	Testing Fees	\$ 1,000.00	\$ -	\$ 690.00	\$ 310.00	69.00%
100-032-561301	Testing - Street Maintena	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-564100	Drainage Improvements	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-569000	Other Contractual Service	\$ 45,000.00	\$ 9,166.73	\$ 44,473.08	\$ 526.92	98.83%
100-032-569001	Street Maintenance	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 596,800.00	\$ 68,709.95	\$ 393,363.84	\$ 203,436.16	65.91%
100-032-580200	Purchase Of Property	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-580201	Land Improvements	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-580500	Street Construction	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-580501	Street Repair	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-580600	Sewer Construction	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-587000	Machinery & Equipment	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00	0.00%
100-032-587001	Lease/Purchase of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-587100	Office Equipment & Furniture	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-587500	Vehicles	\$ 250,584.00	\$ -	\$ -	\$ 250,584.00	0.00%
	Capital Outlay	\$ 270,584.00	\$ -	\$ -	\$ 270,584.00	0.00%
100-032-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-557200	License And Inspection Fees	\$ 1,000.00	\$ 66.46	\$ 799.46	\$ 200.54	79.95%
100-032-590600	Bank Charges	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 1,000.00	\$ 66.46	\$ 799.46	\$ 200.54	79.95%
100-032-520100	Transfer To General Fund	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-520231	Transfer To Sewerage Fund	\$ -	\$ -	\$ -	\$ -	0.00%
100-032-520900	Transfer To Tpccc	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
032	Street Dept	\$ (1,653,553.00)	\$ (73,981.60)	\$ (984,162.10)	\$ (669,390.90)	59.52%
100-034-437300	SOI - Training Reimbursem	\$ 10,000.00	\$ -	\$ 8,357.32	\$ 1,642.68	83.57%
100-034-442500	Federal Grants	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-034-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-442700	County Grants	\$ 2,000.00	\$ -	\$ 3,475.00	\$ (1,475.00)	173.75%
	Intergovernmental	\$ 12,000.00	\$ -	\$ 11,832.32	\$ 167.68	98.60%
100-034-451000	Copy Money/Accidents etc	\$ -	\$ 410.00	\$ 445.00	\$ (445.00)	0.00%
100-034-454001	Fire Protection - Normandale	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-454002	Fire Protection - Brush Hill	\$ 180,000.00	\$ -	\$ -	\$ 180,000.00	0.00%
100-034-454003	Fire Protection - Powerton	\$ 377,000.00	\$ -	\$ 191,461.36	\$ 185,538.64	50.79%
100-034-454100	Hazardous Waste Cleanup	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-454200	Non Resident Rescue Fees	\$ 1,000.00	\$ -	\$ 3,575.00	\$ (2,575.00)	357.50%
100-034-454300	Hydrant Flushing	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-454400	Overtime Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-454600	CPR Training Fees	\$ 2,500.00	\$ -	\$ 970.00	\$ 1,530.00	38.80%
100-034-454700	Sprinkler Fees	\$ 1,500.00	\$ -	\$ 300.00	\$ 1,200.00	20.00%
100-034-454800	AMT Transport Assist	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-455005	AMT Franchise	\$ 90,000.00	\$ 7,500.00	\$ 60,000.00	\$ 30,000.00	66.67%
	Fees/Charges For Service	\$ 652,000.00	\$ 7,910.00	\$ 256,751.36	\$ 395,248.64	39.38%
100-034-464100	False Alarm Fee	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-494100	City Property Dmg Reimb	\$ -	\$ -	\$ -	\$ -	0.00%
	Fines And Forfeitures	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-493002	Fire Prevention Contribut	\$ 100.00	\$ -	\$ 21,000.00	\$ (20,900.00)	21000.00%
100-034-493600	Training Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-495600	Insurance Reimbursements	\$ 65,000.00	\$ 14,525.96	\$ 67,599.67	\$ (2,599.67)	104.00%
100-034-499400	Proceeds Of Auction	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-499404	Sale Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-499800	Miscellaneous Receipts	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
	Other Revenue	\$ 66,100.00	\$ 14,525.96	\$ 88,599.67	\$ (22,499.67)	134.04%
100-034-511600	Salary: All Personnel	\$ 3,933,526.00	\$ 485,673.63	\$ 3,013,799.72	\$ 919,726.28	76.62%
100-034-515000	Overtime	\$ 400,000.00	\$ 98,557.82	\$ 472,293.68	\$ (72,293.68)	118.07%
100-034-515200	Longevity Pay	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-515400	Education Pay	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-515500	Vacation Pay	\$ 400,000.00	\$ 58,060.52	\$ 295,411.75	\$ 104,588.25	73.85%
100-034-515600	Holiday Pay	\$ 257,144.00	\$ 134,371.05	\$ 274,111.00	\$ (16,967.00)	106.60%
100-034-515800	Sick Pay	\$ 209,479.00	\$ 7,853.77	\$ 57,142.04	\$ 152,336.96	27.28%
100-034-515900	Injury Pay	\$ 187,564.00	\$ 27,873.17	\$ 101,566.17	\$ 85,997.83	54.15%
100-034-517000	Oasdi/city Share 6.2%	\$ 3,491.00	\$ 362.25	\$ 2,125.54	\$ 1,365.46	60.89%
100-034-517001	Medicare/city Share 1.45%	\$ 72,322.00	\$ 11,109.62	\$ 57,937.48	\$ 14,384.52	80.11%
100-034-517401	IMRF	\$ 4,094.00	\$ 467.79	\$ 2,802.94	\$ 1,291.06	68.46%
100-034-517403	Employer Pension Contributions	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-518000	Group Insurance	\$ 1,500,000.00	\$ 124,118.74	\$ 998,235.14	\$ 501,764.86	66.55%
100-034-518200	Unemployment Insurance	\$ -	\$ -	\$ 578.00	\$ (578.00)	0.00%
100-034-518300	Workers Comp Insurance	\$ 230,000.00	\$ -	\$ -	\$ 230,000.00	0.00%
100-034-518900	Uniform Allowance	\$ 37,800.00	\$ 906.95	\$ 38,974.77	\$ (1,174.77)	103.11%
100-034-554300	Uniform & Tool Exp	\$ 30,000.00	\$ -	\$ 3,949.18	\$ 26,050.82	13.16%
100-034-559000	Medical Expense/supplies	\$ 32,000.00	\$ -	\$ 702.52	\$ 31,297.48	2.20%
	Personnel	\$ 7,297,420.00	\$ 949,355.31	\$ 5,319,629.93	\$ 1,977,790.07	72.90%
100-034-519000	Training And Education	\$ 80,000.00	\$ 10,870.73	\$ 29,133.45	\$ 50,866.55	36.42%
	Training & Education	\$ 80,000.00	\$ 10,870.73	\$ 29,133.45	\$ 50,866.55	36.42%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-034-520200	Office Supplies	\$ 2,000.00	\$ -	\$ 767.59	\$ 1,232.41	38.38%
100-034-520400	Postage	\$ 300.00	\$ -	\$ 60.01	\$ 239.99	20.00%
100-034-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-522400	General Supplies	\$ 15,000.00	\$ 1,184.01	\$ 10,062.69	\$ 4,937.31	67.08%
100-034-522500	Emergency Medical Supplie	\$ 40,000.00	\$ 3,455.34	\$ 28,972.69	\$ 11,027.31	72.43%
100-034-529000	Equipment	\$ 80,000.00	\$ 8,525.29	\$ 54,590.64	\$ 25,409.36	68.24%
100-034-556100	Gasoline/diesel Fuel	\$ 57,000.00	\$ 5,598.99	\$ 43,128.57	\$ 13,871.43	75.66%
	Supplies & Materials	\$ 194,300.00	\$ 18,763.63	\$ 137,582.19	\$ 56,717.81	70.81%
100-034-518100	Liability Insurance Premiums	\$ 125,000.00	\$ -	\$ -	\$ 125,000.00	0.00%
100-034-520905	Public Safety Dispatching Fee	\$ 115,000.00	\$ -	\$ 71,451.00	\$ 43,549.00	62.13%
100-034-524000	Lease/rental Of Equipment	\$ 7,500.00	\$ 1,227.05	\$ 5,769.91	\$ 1,730.09	76.93%
100-034-534000	Automotive Expense	\$ 175,000.00	\$ 20,940.91	\$ 155,747.89	\$ 19,252.11	89.00%
100-034-534200	Buildings & Grounds Maintenanc	\$ -	\$ -	\$ 254.99	\$ (254.99)	0.00%
100-034-534400	Equipment Repairs	\$ 26,000.00	\$ 1,012.68	\$ 17,352.44	\$ 8,647.56	66.74%
100-034-538000	Maintenance Agreements	\$ 10,000.00	\$ 58.96	\$ 4,794.59	\$ 5,205.41	47.95%
100-034-550100	Utilities	\$ 40,000.00	\$ 2,609.07	\$ 18,655.08	\$ 21,344.92	46.64%
100-034-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-551600	Dues And Subscriptions	\$ 2,000.00	\$ 100.00	\$ 2,808.22	\$ (808.22)	140.41%
100-034-555000	Radio Expense	\$ 12,000.00	\$ 1,205.14	\$ 8,123.41	\$ 3,876.59	67.70%
100-034-559900	Receivable Charge Off	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-569000	Other Contractual Service	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-592605	Bike Program	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-592800	Polygraph Exam	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-598000	Fire Prevention	\$ 2,500.00	\$ -	\$ 232.50	\$ 2,267.50	9.30%
100-034-598100	Public Relations	\$ 1,500.00	\$ 180.12	\$ 1,494.12	\$ 5.88	99.61%
100-034-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 516,500.00	\$ 27,333.93	\$ 286,684.15	\$ 229,815.85	55.51%
100-034-587000	Machinery And Equipment	\$ 100,000.00	\$ -	\$ 20,886.50	\$ 79,113.50	20.89%
100-034-587001	Lease / Purchase Equipmen	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-587100	Office Equipment & Furniture	\$ 500.00	\$ -	\$ 199.96	\$ 300.04	39.99%
100-034-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ 100,500.00	\$ -	\$ 21,086.46	\$ 79,413.54	20.98%
100-034-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-551000	Printing And Publications	\$ 350.00	\$ -	\$ 179.59	\$ 170.41	51.31%
100-034-554200	Meals/Lodging	\$ 100.00	\$ -	\$ -	\$ 100.00	0.00%
100-034-557200	License And Inspection Fees	\$ 4,500.00	\$ 41.00	\$ 103.00	\$ 4,397.00	2.29%
100-034-599000	Miscellaneous	\$ 1,000.00	\$ -	\$ 417.36	\$ 582.64	41.74%
100-034-599802	Computer Hardware	\$ -	\$ -	\$ 29.99	\$ (29.99)	0.00%
100-034-599900	Depreciation Expense	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-599999	Contingency	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	0.00%
	Other Expenditures	\$ 55,950.00	\$ 41.00	\$ 729.94	\$ 55,220.06	1.30%
100-034-520900	Transfer to TPCC	\$ -	\$ -	\$ -	\$ -	0.00%
100-034-544900	Transfer To Tpccc	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
034	Fire Dept	\$ (7,514,570.00)	\$ (983,928.64)	\$ (5,437,662.77)	\$ (2,076,907.23)	72.36%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-068-435100	Iepa - Air Monitoring Reimburs	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-442700	County Grants	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-494100	City Property Dmg Reimb	\$ -	\$ -	\$ -	\$ -	0.00%
	Fines And Forfeitures	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-491000	Rental Of Municipal Property	\$ 250,000.00	\$ 32,265.17	\$ 251,541.24	\$ (1,541.24)	100.62%
100-068-491500	Sale Of Municipal Property	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-499800	Miscellaneous Receipts	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
	Other Revenue	\$ 250,500.00	\$ 32,265.17	\$ 251,541.24	\$ (1,041.24)	100.42%
100-068-440270	Transfer from TIF CBD	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-440273	Transfer from TIF SIPCA	\$ 11,143.00	\$ -	\$ -	\$ 11,143.00	0.00%
100-068-440277	Transfer from BDD	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Funds	\$ 11,143.00	\$ -	\$ -	\$ 11,143.00	0.00%
100-068-511600	Salary: All Personnel	\$ 246,692.00	\$ 26,726.50	\$ 165,527.70	\$ 81,164.30	67.10%
100-068-514600	Wages Yard Crew	\$ -	\$ 7,131.38	\$ 39,246.21	\$ (39,246.21)	0.00%
100-068-515000	Overtime	\$ 1,253.00	\$ 138.97	\$ 379.22	\$ 873.78	30.26%
100-068-515500	Vacation Pay	\$ 20,000.00	\$ 3,888.96	\$ 6,543.85	\$ 13,456.15	32.72%
100-068-515600	Holiday Pay	\$ 15,500.00	\$ 2,253.94	\$ 6,776.70	\$ 8,723.30	43.72%
100-068-515800	Sick Pay	\$ 6,000.00	\$ 166.02	\$ 867.12	\$ 5,132.88	14.45%
100-068-517000	Oasdi/city Share 6.2%	\$ 17,868.00	\$ 2,452.08	\$ 13,267.86	\$ 4,600.14	74.25%
100-068-517001	Medicare/city Share 1.45%	\$ 4,179.00	\$ 573.50	\$ 3,103.04	\$ 1,075.96	74.25%
100-068-517401	IMRF	\$ 20,952.00	\$ 2,438.28	\$ 12,988.30	\$ 7,963.70	61.99%
100-068-518000	Group Insurance	\$ 63,971.00	\$ 5,796.19	\$ 42,478.61	\$ 21,492.39	66.40%
100-068-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-518300	Workers Comp Insurance	\$ 1,700.00	\$ -	\$ -	\$ 1,700.00	0.00%
100-068-554300	Uniforms And Tools	\$ 800.00	\$ -	\$ -	\$ 800.00	0.00%
100-068-559000	Medical Expense/supplies	\$ 200.00	\$ -	\$ 193.00	\$ 7.00	96.50%
	Personnel	\$ 399,115.00	\$ 51,565.82	\$ 291,371.61	\$ 107,743.39	73.00%
100-068-519000	Training And Education	\$ -	\$ -	\$ -	\$ -	0.00%
	Training & Education	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-520000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-520200	Office Supplies	\$ 250.00	\$ -	\$ -	\$ 250.00	0.00%
100-068-520400	Postage	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-522400	General Supplies	\$ 30,000.00	\$ 760.25	\$ 14,490.59	\$ 15,509.41	48.30%
100-068-529000	Equipment	\$ 25,000.00	\$ 949.00	\$ 9,194.53	\$ 15,805.47	36.78%
100-068-556100	Gasoline/diesel Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 55,250.00	\$ 1,709.25	\$ 23,685.12	\$ 31,564.88	42.87%
100-068-518100	Liability Insurance Premiums	\$ 1,600.00	\$ -	\$ -	\$ 1,600.00	0.00%
100-068-523200	Riverfront Park/Pier	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-524000	Lease/rental Of Equipment	\$ 5,000.00	\$ -	\$ 1,923.87	\$ 3,076.13	38.48%
100-068-534000	Automotive Expense	\$ 20,000.00	\$ 214.05	\$ 5,197.01	\$ 14,802.99	25.99%
100-068-534200	Buildings And Grounds Rep	\$ 350,000.00	\$ 56,878.52	\$ 382,630.59	\$ (32,630.59)	109.32%
100-068-534400	Equipment Repairs	\$ 8,000.00	\$ -	\$ 521.45	\$ 7,478.55	6.52%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-068-535200	Parking Lot Maintenance A	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-536100	Property Cleanup Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-536300	Snow Removal - Salt	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	0.00%
100-068-538000	Maintenance Agreements	\$ -	\$ -	\$ 4,133.25	\$ (4,133.25)	0.00%
100-068-550100	Utilities	\$ 120,000.00	\$ 9,007.44	\$ 60,388.23	\$ 59,611.77	50.32%
100-068-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-551600	Dues And Subscriptions	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-555000	Radio Expense	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-559900	Receivable Charge Off	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-560500	Consulting Services	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-561200	Engineering Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-562500	Demolition	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-566600	Pest Control	\$ 3,000.00	\$ 310.00	\$ 1,920.00	\$ 1,080.00	64.00%
100-068-569000	Other Contractual Service	\$ 10,000.00	\$ -	\$ 2,500.00	\$ 7,500.00	25.00%
	Contractual Services	\$ 527,600.00	\$ 66,410.01	\$ 459,214.40	\$ 68,385.60	87.04%
100-068-580200	Purchase Of Property	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-580201	Land Improvements	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-580400	Building Purchase/construction	\$ 45,000.00	\$ -	\$ -	\$ 45,000.00	0.00%
100-068-580401	Building Repair	\$ 20,000.00	\$ 27.39	\$ 4,167.39	\$ 15,832.61	20.84%
100-068-584009	General Public Improvements	\$ 100,000.00	\$ 12,416.00	\$ 48,884.09	\$ 51,115.91	48.88%
100-068-587000	Machinery And Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-587001	Lease/Purchase Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-587100	Office Equipment & Furniture	\$ 10,000.00	\$ -	\$ 582.28	\$ 9,417.72	5.82%
100-068-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ 175,000.00	\$ 12,443.39	\$ 53,633.76	\$ 121,366.24	30.65%
100-068-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-551000	Printing And Publications	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-068-557200	License And Inspection Fees	\$ -	\$ -	\$ 905.00	\$ (905.00)	0.00%
100-068-590300	Real Estate Tax Expense	\$ -	\$ -	\$ 261.08	\$ (261.08)	0.00%
100-068-599000	Miscellaneous	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
	Other Expenditures	\$ 1,000.00	\$ -	\$ 1,166.08	\$ (166.08)	116.61%
068	Public Property	\$ (896,322.00)	\$ (99,863.30)	\$ (577,529.73)	\$ (318,792.27)	64.43%
100-760-410905	Cannabis Tax Revenue	\$ 55,000.00	\$ 3,883.36	\$ 31,548.09	\$ 23,451.91	57.36%
	Taxes	\$ 55,000.00	\$ 3,883.36	\$ 31,548.09	\$ 23,451.91	57.36%
100-760-437100	School Reimbursements	\$ 125,000.00	\$ -	\$ 102,269.69	\$ 22,730.31	81.82%
100-760-437200	SOI-Police Training Reimb	\$ -	\$ -	\$ 25,028.69	\$ (25,028.69)	0.00%
100-760-442500	Federal Grants	\$ 6,253.00	\$ -	\$ -	\$ 6,253.00	0.00%
100-760-442600	State Grants	\$ 220,549.00	\$ -	\$ 222,934.50	\$ (2,385.50)	101.08%
100-760-442700	County Grants	\$ -	\$ -	\$ 500.00	\$ (500.00)	0.00%
100-760-442710	Police CCC Vehicle Fee	\$ -	\$ -	\$ 27.07	\$ (27.07)	0.00%
100-760-442720	Police CCC Drug Enf Fee	\$ -	\$ -	\$ 197.96	\$ (197.96)	0.00%
	Intergovernmental	\$ 351,802.00	\$ -	\$ 350,957.91	\$ 844.09	99.76%
100-760-450800	Fingerprint Fees	\$ 1,500.00	\$ 150.00	\$ 2,070.00	\$ (570.00)	138.00%
100-760-451000	Copy Money/Accidents etc	\$ 4,000.00	\$ 586.00	\$ 4,051.90	\$ (51.90)	101.30%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-760-451100	Parking Meter Collections	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-451101	Rentals - Parking Lots	\$ 2,100.00	\$ 175.00	\$ 1,375.00	\$ 725.00	65.48%
100-760-454400	Overtime Reimbursements	\$ 25,000.00	\$ 248.24	\$ 24,620.80	\$ 379.20	98.48%
100-760-454800	Bassett Training	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-464700	E Citation Fees	\$ 1,300.00	\$ -	\$ 986.43	\$ 313.57	75.88%
100-760-498900	Non Sufficient Funds Fee	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ 33,900.00	\$ 1,159.24	\$ 33,104.13	\$ 795.87	97.65%
100-760-460100	Cir Clk/States Atty	\$ 100,000.00	\$ -	\$ 61,409.76	\$ 38,590.24	61.41%
100-760-460200	Municipal Ordinance Violations	\$ 100,000.00	\$ 6,755.97	\$ 71,540.10	\$ 28,459.90	71.54%
100-760-460300	Warrants	\$ 4,000.00	\$ 140.00	\$ 3,220.00	\$ 780.00	80.50%
100-760-463700	Liquor Fines	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-463800	Tobacco Fines	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-464000	Parking Tickets	\$ 20,000.00	\$ 805.00	\$ 14,650.38	\$ 5,349.62	73.25%
100-760-464100	False Alarm Fee	\$ 2,500.00	\$ 200.00	\$ 3,800.00	\$ (1,300.00)	152.00%
100-760-464300	Seizures And Forfeitures	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-464400	Dui Surcharge	\$ 5,000.00	\$ -	\$ 4,786.07	\$ 213.93	95.72%
100-760-464500	Towing/Storage/Impound Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-464600	Court Supervision Fines	\$ 200.00	\$ -	\$ 363.32	\$ (163.32)	181.66%
100-760-494100	Restitution	\$ -	\$ -	\$ 5.82	\$ (5.82)	0.00%
	Fines And Forfeitures	\$ 231,700.00	\$ 7,900.97	\$ 159,775.45	\$ 71,924.55	68.96%
100-760-450700	Rental Property Registration	\$ 7,000.00	\$ 10.00	\$ 6,750.00	\$ 250.00	96.43%
	Licenses And Permits	\$ 7,000.00	\$ 10.00	\$ 6,750.00	\$ 250.00	96.43%
100-760-490100	Interest Earnings Federal Forf	\$ -	\$ 1.90	\$ 1.90	\$ (1.90)	0.00%
100-760-490101	Interest Earnings State Forfei	\$ -	\$ 2.47	\$ 2.47	\$ (2.47)	0.00%
	Investment Earnings	\$ -	\$ 4.37	\$ 4.37	\$ (4.37)	0.00%
100-760-454900	Foundation Donations	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-493001	Crime Prevention Contributions	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-493100	Dare Program	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-493200	Opioids Settlement	\$ 50,000.00	\$ -	\$ 14,668.12	\$ 35,331.88	29.34%
100-760-493500	Canine Unit Contributions	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-493700	Bike Program Contribution	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-493900	Sex Offender Registration	\$ 1,500.00	\$ 280.00	\$ 1,500.00	\$ -	100.00%
100-760-494000	State Forfeiture Revenue	\$ 1,000.00	\$ -	\$ 44,302.06	\$ (43,302.06)	4430.21%
100-760-494001	Federal Forfeiture Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-494200	Range Instructor Reimbursement	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-494300	Explorer	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-495600	Insurance Reimbursements	\$ 75,000.00	\$ -	\$ 6,589.23	\$ 68,410.77	8.79%
100-760-499400	Proceeds Of Auction	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-499403	Unclaimed Evidence	\$ -	\$ -	\$ 7,399.25	\$ (7,399.25)	0.00%
100-760-499404	Sale Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-499600	Sale Of Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
100-760-499800	Miscellaneous Receipts	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-760-499802	Cash Over/short	\$ -	\$ -	\$ (20.20)	\$ 20.20	0.00%
	Other Revenue	\$ 128,500.00	\$ 280.00	\$ 74,438.46	\$ 54,061.54	57.93%
100-760-598200	Grant Expenses	\$ 226,802.00	\$ -	\$ 219,801.04	\$ 7,000.96	96.91%
	Contractual Services	\$ 226,802.00	\$ -	\$ 219,801.04	\$ 7,000.96	96.91%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
760	Police Revenue	\$ 581,100.00	\$ 13,237.94	\$ 436,777.37	\$ 144,322.63	75.16%
100-761-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-511600	Salary: All Personnel	\$ 3,497,968.00	\$ 410,384.26	\$ 2,469,384.49	\$ 1,028,583.51	70.59%
100-761-515000	Overtime	\$ 280,000.00	\$ 31,323.46	\$ 206,590.28	\$ 73,409.72	73.78%
100-761-515500	Vacation Pay	\$ 304,660.00	\$ 40,951.30	\$ 241,070.98	\$ 63,589.02	79.13%
100-761-515600	Holiday Pay	\$ 108,759.00	\$ 6,058.98	\$ 135,791.33	\$ (27,032.33)	124.86%
100-761-515800	Sick Pay	\$ 133,242.00	\$ 9,085.49	\$ 189,426.72	\$ (56,184.72)	142.17%
100-761-515900	Injury Pay	\$ 175,000.00	\$ -	\$ 15,145.92	\$ 159,854.08	8.65%
100-761-517000	Oasdi/city Share 6.2%	\$ 6,754.00	\$ 312.55	\$ 3,210.44	\$ 3,543.56	47.53%
100-761-517001	Medicare/city Share 1.45%	\$ 59,992.00	\$ 7,146.67	\$ 45,156.72	\$ 14,835.28	75.27%
100-761-517401	IMRF	\$ 7,920.00	\$ 481.56	\$ 4,108.47	\$ 3,811.53	51.87%
100-761-517403	Employer Pension Contributions	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-518000	Group Insurance	\$ 1,134,665.00	\$ 81,961.58	\$ 666,357.48	\$ 468,307.52	58.73%
100-761-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-518300	Workers Comp Insurance	\$ 242,677.00	\$ -	\$ -	\$ 242,677.00	0.00%
100-761-518900	Uniform Allowance	\$ 52,800.00	\$ -	\$ 44,000.00	\$ 8,800.00	83.33%
100-761-554300	Tools & Uniforms	\$ 37,000.00	\$ 227.83	\$ 22,473.46	\$ 14,526.54	60.74%
100-761-559000	Medical Expense/supplies	\$ 6,000.00	\$ -	\$ 4,517.64	\$ 1,482.36	75.29%
	Personnel	\$ 6,047,437.00	\$ 587,933.68	\$ 4,047,233.93	\$ 2,000,203.07	66.92%
100-761-519000	Training And Education	\$ 110,000.00	\$ 8,493.11	\$ 88,992.93	\$ 21,007.07	80.90%
	Training & Education	\$ 110,000.00	\$ 8,493.11	\$ 88,992.93	\$ 21,007.07	80.90%
100-761-520200	Office Supplies	\$ 4,000.00	\$ 70.53	\$ 2,119.72	\$ 1,880.28	52.99%
100-761-520201	Live-scan Deposit Account	\$ 1,500.00	\$ -	\$ 1,000.00	\$ 500.00	66.67%
100-761-520400	Postage	\$ 2,000.00	\$ 42.21	\$ 136.55	\$ 1,863.45	6.83%
100-761-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-522400	General Supplies	\$ 6,000.00	\$ 823.23	\$ 2,077.57	\$ 3,922.43	34.63%
100-761-525000	Police Ammunition	\$ 20,000.00	\$ -	\$ 1,994.66	\$ 18,005.34	9.97%
100-761-529000	Equipment	\$ 40,000.00	\$ 266.91	\$ 25,382.54	\$ 14,617.46	63.46%
100-761-556100	Gasoline/diesel Fuel	\$ 125,000.00	\$ 10,554.25	\$ 78,599.83	\$ 46,400.17	62.88%
	Supplies & Materials	\$ 198,500.00	\$ 11,757.13	\$ 111,310.87	\$ 87,189.13	56.08%
100-761-518100	Liability Insurance Premiums	\$ 127,471.00	\$ -	\$ -	\$ 127,471.00	0.00%
100-761-520905	Public Safety Dispatching Fee	\$ 592,000.00	\$ -	\$ 353,583.00	\$ 238,417.00	59.73%
100-761-524000	Lease/rental Of Equipment	\$ 450,000.00	\$ 255.42	\$ 322,368.11	\$ 127,631.89	71.64%
100-761-534000	Automotive Expense	\$ 60,000.00	\$ 23,985.32	\$ 101,167.08	\$ (41,167.08)	168.61%
100-761-534101	Vehicle Towage	\$ 500.00	\$ -	\$ 290.00	\$ 210.00	58.00%
100-761-534400	Equipment Repairs	\$ 3,000.00	\$ 179.95	\$ 1,548.56	\$ 1,451.44	51.62%
100-761-538000	Maintenance Agreements	\$ 2,000.00	\$ 8.84	\$ 136.70	\$ 1,863.30	6.84%
100-761-550100	Utilities	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-551600	Dues And Subscriptions	\$ 10,000.00	\$ 1,100.32	\$ 7,990.34	\$ 2,009.66	79.90%
100-761-555000	Radio Expense	\$ 55,000.00	\$ 2,685.32	\$ 10,497.72	\$ 44,502.28	19.09%
100-761-555200	Radar Expense	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	0.00%
100-761-559900	Receivable Charge Off	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-561000	Legal Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-566000	Jail Expense	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-566700	Care Of Stray Animals	\$ 50,000.00	\$ -	\$ 32,469.16	\$ 17,530.84	64.94%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-761-569000	Other Contractual Service	\$ 6,000.00	\$ 533.65	\$ 1,967.10	\$ 4,032.90	32.79%
100-761-592100	Auxiliary Police	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-592300	Explorer Post	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-592500	Crime Prevention Expense	\$ 4,000.00	\$ 52.80	\$ 1,458.31	\$ 2,541.69	36.46%
100-761-592601	Dare Program	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-592602	Canine Unit	\$ 4,000.00	\$ 20.60	\$ 72.56	\$ 3,927.44	1.81%
100-761-592604	Emergency Services Team	\$ 16,000.00	\$ 347.60	\$ 6,388.36	\$ 9,611.64	39.93%
100-761-592605	Bike Program	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-592606	Dui Enforcement	\$ 4,500.00	\$ -	\$ 495.00	\$ 4,005.00	11.00%
100-761-592608	Court Supervision Funded Exp	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-592609	Warrant Expense	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-592700	Shooting Range	\$ 5,000.00	\$ 10.92	\$ 4,007.26	\$ 992.74	80.15%
100-761-592900	Iron Eagle Expenses	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-598100	Public Relations	\$ 1,000.00	\$ -	\$ 1,035.00	\$ (35.00)	103.50%
100-761-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 1,392,471.00	\$ 29,180.74	\$ 845,474.26	\$ 546,996.74	60.72%
100-761-587000	Machinery And Equipment	\$ -	\$ -	\$ 3,000.00	\$ (3,000.00)	0.00%
100-761-587001	Lease/Purchase Equipmen	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-587100	Office Equipment & Furniture	\$ 88,000.00	\$ -	\$ 33,409.65	\$ 54,590.35	37.97%
100-761-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ 88,000.00	\$ -	\$ 36,409.65	\$ 51,590.35	41.37%
100-761-551000	Printing And Publications	\$ 1,500.00	\$ 209.82	\$ 1,479.48	\$ 20.52	98.63%
100-761-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-557200	License And Inspection Fees	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
100-761-590600	Bank/Credit Card Charges	\$ 834.00	\$ 105.50	\$ 872.68	\$ (38.68)	104.64%
100-761-592400	E Citation Allowable Expenses	\$ -	\$ -	\$ -	\$ -	0.00%
100-761-595000	Reimbursement - Personal	\$ 100.00	\$ -	\$ -	\$ 100.00	0.00%
100-761-599000	Miscellaneous	\$ 2,500.00	\$ 48.95	\$ 1,533.30	\$ 966.70	61.33%
100-761-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 6,434.00	\$ 364.27	\$ 3,885.46	\$ 2,548.54	60.39%
100-761-520900	Transfer To Tpcce	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
761	Police Patrol	\$ (7,842,842.00)	\$ (637,728.93)	\$ (5,133,307.10)	\$ (2,709,534.90)	65.45%
100-763-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-511600	Salary: All Personnel	\$ 832,464.00	\$ 103,251.75	\$ 636,337.93	\$ 196,126.07	76.44%
100-763-515000	Overtime	\$ 75,000.00	\$ 4,712.91	\$ 21,634.98	\$ 53,365.02	28.85%
100-763-515500	Vacation Pay	\$ 96,661.00	\$ 10,006.14	\$ 52,883.34	\$ 43,777.66	54.71%
100-763-515600	Holiday Pay	\$ 48,000.00	\$ 1,480.86	\$ 34,530.86	\$ 13,469.14	71.94%
100-763-515800	Sick Pay	\$ 175,707.00	\$ 1,881.85	\$ 10,394.08	\$ 165,312.92	5.92%
100-763-515900	Injury Pay	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-517000	Oasdi/city Share 6.2%	\$ -	\$ 514.17	\$ 1,095.39	\$ (1,095.39)	0.00%
100-763-517001	Medicare/city Share 1.45%	\$ 13,581.00	\$ 1,713.25	\$ 10,748.51	\$ 2,832.49	79.14%
100-763-517401	IMRF	\$ -	\$ 629.13	\$ 1,363.12	\$ (1,363.12)	0.00%
100-763-518000	Group Insurance	\$ 250,000.00	\$ 24,789.70	\$ 300,428.51	\$ (50,428.51)	120.17%
100-763-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-763-518900	Uniform Allowance	\$ 14,400.00	\$ -	\$ 11,000.00	\$ 3,400.00	76.39%
	Personnel	\$ 1,505,813.00	\$ 148,979.76	\$ 1,080,416.72	\$ 425,396.28	71.75%
100-763-519000	Training And Education	\$ 35,000.00	\$ 1,889.66	\$ 5,216.40	\$ 29,783.60	14.90%
	Training & Education	\$ 35,000.00	\$ 1,889.66	\$ 5,216.40	\$ 29,783.60	14.90%
100-763-520200	Office Supplies	\$ 1,000.00	\$ -	\$ 475.27	\$ 524.73	47.53%
100-763-520400	Postage	\$ 100.00	\$ -	\$ 28.10	\$ 71.90	28.10%
100-763-522000	Photographic Supplies	\$ 2,000.00	\$ 907.98	\$ 907.98	\$ 1,092.02	45.40%
100-763-522400	General Supplies	\$ 2,000.00	\$ 169.95	\$ 1,070.78	\$ 929.22	53.54%
100-763-529000	Equipment	\$ 1,000.00	\$ 115.55	\$ 927.64	\$ 72.36	92.76%
100-763-556100	Gasoline/diesel Fuel	\$ 5,000.00	\$ 1,080.80	\$ 7,062.55	\$ (2,062.55)	141.25%
	Supplies & Materials	\$ 11,100.00	\$ 2,274.28	\$ 10,472.32	\$ 627.68	94.35%
100-763-518100	Liability Insurance Premiums	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-524000	Lease/rental Of Equipment	\$ 3,600.00	\$ 510.84	\$ 2,043.36	\$ 1,556.64	56.76%
100-763-534000	Automotive Expense	\$ 4,500.00	\$ -	\$ 1,734.21	\$ 2,765.79	38.54%
100-763-534101	Vehicle Towage	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-534400	Equipment Repairs	\$ -	\$ -	\$ 12.00	\$ (12.00)	0.00%
100-763-538000	Maintenance Agreements	\$ 4,200.00	\$ 117.71	\$ 2,363.76	\$ 1,836.24	56.28%
100-763-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-551600	Dues And Subscriptions	\$ 1,500.00	\$ 653.16	\$ 110.00	\$ 1,390.00	7.33%
100-763-552720		\$ -	\$ -	\$ -	\$ -	0.00%
100-763-555000	Radio Expense	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-560500	Consulting Services	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	0.00%
100-763-569000	Other Contractual Service	\$ -	\$ -	\$ 108.00	\$ (108.00)	0.00%
100-763-592600	Special Investigations Exp	\$ 10,000.00	\$ 910.00	\$ 2,184.52	\$ 7,815.48	21.85%
100-763-592603	Multi-county Narcotics Exp	\$ 13,500.00	\$ -	\$ -	\$ 13,500.00	0.00%
100-763-592800	Polygraph Exam	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
100-763-592900	State Forfeiture Expense	\$ -	\$ 4,411.05	\$ 6,162.64	\$ (6,162.64)	0.00%
100-763-592901	Federal Forfeiture Expense	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 47,800.00	\$ 6,602.76	\$ 14,718.49	\$ 33,081.51	30.79%
100-763-587000	Machinery And Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-587001	Lease/Purchase Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-587100	Office Equipment & Furniture	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-763-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-763-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-551000	Printing And Publications	\$ 100.00	\$ -	\$ 76.00	\$ 24.00	76.00%
100-763-554200	Meals Lodging	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
100-763-557200	License And Inspection Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-595000	Reimbursement - Personal	\$ 50.00	\$ -	\$ -	\$ 50.00	0.00%
100-763-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
100-763-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 650.00	\$ -	\$ 76.00	\$ 574.00	11.69%
763	Special Services	\$ (1,601,363.00)	\$ (159,746.46)	\$ (1,110,899.93)	\$ (490,463.07)	69.37%
100-764-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
Other Revenue		\$ -	\$ -	\$ -	\$ -	0.00%
100-764-511600	Salary: All Personnel	\$ 325,870.00	\$ 36,327.75	\$ 217,938.16	\$ 107,931.84	66.88%
100-764-515000	Overtime	\$ 15,000.00	\$ -	\$ 14,002.22	\$ 997.78	93.35%
100-764-515500	Vacation Pay	\$ 22,600.00	\$ 6,264.07	\$ 16,750.18	\$ 5,849.82	74.12%
100-764-515600	Holiday Pay	\$ 23,000.00	\$ 3,738.92	\$ 11,023.16	\$ 11,976.84	47.93%
100-764-515800	Sick Pay	\$ 7,528.00	\$ 489.40	\$ 7,019.46	\$ 508.54	93.24%
100-764-515900	OJI	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-517000	Oasdi/city Share 6.2%	\$ 22,072.00	\$ 2,809.87	\$ 15,935.30	\$ 6,136.70	72.20%
100-764-517001	Medicare/city Share 1.45%	\$ 5,162.00	\$ 657.14	\$ 3,726.82	\$ 1,435.18	72.20%
100-764-517401	IMRF	\$ 25,881.00	\$ 3,403.85	\$ 19,391.55	\$ 6,489.45	74.93%
100-764-518000	Group Insurance	\$ 70,000.00	\$ 8,903.62	\$ 58,919.14	\$ 11,080.86	84.17%
100-764-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-518300	Workers Comp Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-554300	Uniforms And Tools	\$ 3,500.00	\$ -	\$ 1,586.86	\$ 1,913.14	45.34%
100-764-557200	License & Inspection Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-559000	Medical Expense/supplies	\$ 500.00	\$ -	\$ 108.00	\$ 392.00	21.60%
	Personnel	\$ 521,113.00	\$ 62,594.62	\$ 366,400.85	\$ 154,712.15	70.31%
100-764-519000	Training And Education	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
	Training & Education	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
100-764-520200	Office Supplies	\$ 2,500.00	\$ 21.79	\$ 527.10	\$ 1,972.90	21.08%
100-764-520400	Postage	\$ 5,000.00	\$ 130.88	\$ 2,480.41	\$ 2,519.59	49.61%
100-764-522400	General Supplies	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
100-764-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ 8,000.00	\$ 152.67	\$ 3,007.51	\$ 4,992.49	37.59%
100-764-518100	Liability Insurance Premiums	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-520500	Rim System Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-524000	Lease/rental Of Equipment	\$ 2,500.00	\$ 255.42	\$ 1,021.68	\$ 1,478.32	40.87%
100-764-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-538000	Maintenance Agreements	\$ 4,000.00	\$ 3,557.98	\$ 6,116.87	\$ (2,116.87)	152.92%
100-764-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-569000	Other Contractual Service	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 6,500.00	\$ 3,813.40	\$ 7,138.55	\$ (638.55)	109.82%
100-764-587100	Office Equipment & Furniture	\$ 1,000.00	\$ -	\$ 226.00	\$ 774.00	22.60%
	Capital Outlay	\$ 1,000.00	\$ -	\$ 226.00	\$ 774.00	22.60%
100-764-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-551000	Printing And Publications	\$ 500.00	\$ -	\$ 546.39	\$ (46.39)	109.28%
100-764-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
100-764-599802	Computer Hardware	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 500.00	\$ -	\$ 546.39	\$ (46.39)	109.28%
100-764-520900	Transfer To Tpecc	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers To Other Funds	\$ -	\$ -	\$ -	\$ -	0.00%
764	Police Records	\$ (538,613.00)	\$ (66,560.69)	\$ (377,319.30)	\$ (161,293.70)	70.05%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-766-451700	Property Clean Up Fees	\$ 80,000.00	\$ 3,910.00	\$ 67,234.00	\$ 12,766.00	84.04%
	Fines And Forfeitures	\$ 80,000.00	\$ 3,910.00	\$ 67,234.00	\$ 12,766.00	84.04%
100-766-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ -	\$ -	\$ -	\$ -	0.00%
100-766-511600	Salary: All Personnel	\$ 186,143.00	\$ 12,580.24	\$ 63,306.73	\$ 122,836.27	34.01%
100-766-515000	Overtime	\$ 10,000.00	\$ 1,076.88	\$ 7,220.26	\$ 2,779.74	72.20%
100-766-515500	Vacation Pay	\$ 7,500.00	\$ 462.80	\$ 1,283.28	\$ 6,216.72	17.11%
100-766-515600	Holiday Pay	\$ 3,500.00	\$ 820.48	\$ 1,435.84	\$ 2,064.16	41.02%
100-766-515800	Sick Pay	\$ 1,000.00	\$ 205.12	\$ 2,401.67	\$ (1,401.67)	240.17%
100-766-517000	Oasdi/city Share 6.2%	\$ 6,612.00	\$ 924.12	\$ 4,570.96	\$ 2,041.04	69.13%
100-766-517001	Medicare/city Share 1.45%	\$ 1,546.00	\$ 216.12	\$ 1,069.01	\$ 476.99	69.15%
100-766-517401	IMRF	\$ 7,753.00	\$ 1,101.07	\$ 5,470.51	\$ 2,282.49	70.56%
100-766-518000	Group Insurance	\$ 15,000.00	\$ 1,761.74	\$ 14,093.92	\$ 906.08	93.96%
100-766-518300	Workers Comp Insurance	\$ 4,000.00	\$ -	\$ -	\$ 4,000.00	0.00%
100-766-554300	Uniforms And Tools	\$ 2,000.00	\$ 118.20	\$ 118.20	\$ 1,881.80	5.91%
100-766-559000	Medical Expense/supplies	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
	Personnel	\$ 245,554.00	\$ 19,266.77	\$ 100,970.38	\$ 144,583.62	41.12%
100-766-519000	Training And Education	\$ 7,500.00	\$ 375.00	\$ 2,830.38	\$ 4,669.62	37.74%
	Training & Education	\$ 7,500.00	\$ 375.00	\$ 2,830.38	\$ 4,669.62	37.74%
100-766-520200	Office Supplies	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
100-766-520400	Postage	\$ 1,000.00	\$ 3.78	\$ 528.28	\$ 471.72	52.83%
100-766-522400	General Supplies	\$ 500.00	\$ -	\$ 95.26	\$ 404.74	19.05%
100-766-529000	Equipment	\$ 1,000.00	\$ 257.69	\$ 1,858.71	\$ (858.71)	185.87%
100-766-556100	Gasoline/diesel Fuel	\$ 4,000.00	\$ 637.42	\$ 4,391.87	\$ (391.87)	109.80%
	Supplies & Materials	\$ 7,000.00	\$ 898.89	\$ 6,874.12	\$ 125.88	98.20%
100-766-518100	Liability Insurance Premiums	\$ 3,800.00	\$ -	\$ -	\$ 3,800.00	0.00%
100-766-524000	Lease/rental Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-766-534000	Automotive Expense	\$ 3,000.00	\$ 436.73	\$ 3,901.75	\$ (901.75)	130.06%
100-766-534101	Vehicle Towage	\$ -	\$ -	\$ -	\$ -	0.00%
100-766-534200	Building & Grounds Repair	\$ 134,000.00	\$ 3,060.00	\$ 69,733.00	\$ 64,267.00	52.04%
100-766-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
100-766-536100	Property Cleanup Fees	\$ 150,000.00	\$ 903.49	\$ 67,212.14	\$ 82,787.86	44.81%
100-766-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
100-766-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-766-555000	Radio Expense	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-766-569000	Other Contractual Service	\$ -	\$ -	\$ 671.99	\$ (671.99)	0.00%
100-766-599801	Computer Software	\$ -	\$ -	\$ -	\$ -	0.00%
	Contractual Services	\$ 291,800.00	\$ 4,400.22	\$ 141,518.88	\$ 150,281.12	48.50%
100-766-587000	Machinery And Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-766-587001	Lease/Purchase Equipmen	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-766-587100	Office Equipment & Furniture	\$ 500.00	\$ -	\$ -	\$ 500.00	0.00%
100-766-587500	Vehicles	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
100-766-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-766-551000	Printing And Publications	\$ 500.00	\$ -	\$ 26.95	\$ 473.05	5.39%
100-766-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-766-590600	Bank/Credit Card Fees	\$ 5,000.00	\$ 435.03	\$ 4,881.06	\$ 118.94	97.62%
100-766-593300	Lien Filing & Release Fees	\$ 5,000.00	\$ -	\$ 948.00	\$ 4,052.00	18.96%
100-766-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 10,500.00	\$ 435.03	\$ 5,856.01	\$ 4,643.99	55.77%
766	Code Enforcem	\$ (483,854.00)	\$ (21,465.91)	\$ (190,815.77)	\$ (293,038.23)	39.44%
100-793-425000	Prelim Plat Review Filing	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-425100	Final Plat Review Filing	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-426500	ZBA Waiver Request Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-427000	Plan Review Services	\$ 1,000.00	\$ -	\$ 1,000.00	\$ -	100.00%
100-793-450700	Rental Proprty Registr Fee	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-451000	Copy Money/Accidents etc	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-451300	Certification Signatures	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-451400	Electrical Inspection Fee	\$ 4,000.00	\$ -	\$ 2,606.00	\$ 1,394.00	65.15%
100-793-451700	Property Cleanup Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-451900	Sales - Ordinances & Maps	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-458700	Code Inspections	\$ -	\$ -	\$ -	\$ -	0.00%
	Fees/Charges For Service	\$ 5,000.00	\$ -	\$ 3,606.00	\$ 1,394.00	72.12%
100-793-463600	Code Violation Fines	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-464500	Towing/storage Fees	\$ -	\$ -	\$ -	\$ -	0.00%
	Fines And Forfeitures	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-420500	Hvac License	\$ 8,000.00	\$ 2,500.00	\$ 4,000.00	\$ 4,000.00	50.00%
100-793-420800	Electrical Contractors License	\$ 10,000.00	\$ 2,750.00	\$ 4,750.00	\$ 5,250.00	47.50%
100-793-423000	Home Occupation License	\$ 1,300.00	\$ 1,105.00	\$ 1,105.00	\$ 195.00	85.00%
100-793-425500	Hvac Permit	\$ 14,000.00	\$ 1,402.00	\$ 11,399.00	\$ 2,601.00	81.42%
100-793-425600	House Movers Permit	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-425700	Special Use Permit	\$ 5,000.00	\$ 3,100.00	\$ 4,160.00	\$ 840.00	83.20%
100-793-425800	Application Fee	\$ 1,000.00	\$ 35.00	\$ 155.00	\$ 845.00	15.50%
100-793-426000	Electrical Permits	\$ 17,500.00	\$ 1,369.00	\$ 17,850.00	\$ (350.00)	102.00%
100-793-426100	Enterprise Zone Fee	\$ 5,000.00	\$ -	\$ 100.00	\$ 4,900.00	2.00%
100-793-426400	Building And Rezoning Permit	\$ 150,000.00	\$ 7,125.00	\$ 132,284.00	\$ 17,716.00	88.19%
100-793-451200	Plumbing Permits	\$ 30,000.00	\$ 904.00	\$ 14,632.00	\$ 15,368.00	48.77%
	Licenses And Permits	\$ 241,800.00	\$ 20,290.00	\$ 190,435.00	\$ 51,365.00	78.76%
100-793-490500	Lien File & Release Fees	\$ -	\$ -	\$ 43.30	\$ (43.30)	0.00%
100-793-498900	Non Sufficient Funds Fee	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-499800	Miscellaneous Receipts	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-499802	Cash Over/short	\$ -	\$ -	\$ 0.30	\$ (0.30)	0.00%
	Other Revenue	\$ -	\$ -	\$ 43.60	\$ (43.60)	0.00%
100-793-511600	Salary: All Personnel	\$ 248,870.00	\$ 18,322.16	\$ 108,178.96	\$ 140,691.04	43.47%
100-793-515000	Overtime	\$ -	\$ 150.39	\$ 651.69	\$ (651.69)	0.00%
100-793-515500	Vacation Pay	\$ 34,327.00	\$ 802.08	\$ 1,971.78	\$ 32,355.22	5.74%
100-793-515600	Holiday Pay	\$ 11,442.00	\$ 1,323.16	\$ 3,434.76	\$ 8,007.24	30.02%
100-793-515800	Sick Pay	\$ 2,861.00	\$ -	\$ 1,019.31	\$ 1,841.69	35.63%
100-793-517000	Oasdi/city Share 6.2%	\$ 18,445.00	\$ 1,254.69	\$ 6,905.16	\$ 11,539.84	37.44%
100-793-517001	Medicare/city Share 1.45%	\$ 4,314.00	\$ 293.45	\$ 1,615.01	\$ 2,698.99	37.44%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-793-517401	IMRF	\$ 21,420.00	\$ 1,482.92	\$ 8,117.44	\$ 13,302.56	37.90%
100-793-518000	Group Insurance	\$ 98,600.00	\$ 2,645.78	\$ 26,369.64	\$ 72,230.36	26.74%
100-793-518200	Unemployment Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-518300	Workers Comp Insurance	\$ 4,000.00	\$ -	\$ -	\$ 4,000.00	0.00%
100-793-554300	Uniforms And Tools	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	0.00%
100-793-559000	Medical Expense/supplies	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ 446,279.00	\$ 26,274.63	\$ 158,263.75	\$ 288,015.25	35.46%
100-793-519000	Training And Education	\$ 2,000.00	\$ -	\$ 381.13	\$ 1,618.87	19.06%
	Training & Education	\$ 2,000.00	\$ -	\$ 381.13	\$ 1,618.87	19.06%
100-793-520200	Office Supplies	\$ 1,500.00	\$ 309.24	\$ 493.90	\$ 1,006.10	32.93%
100-793-520400	Postage	\$ 1,500.00	\$ 119.19	\$ 314.27	\$ 1,185.73	20.95%
100-793-522000	Photographic Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-522400	General Supplies	\$ 1,500.00	\$ -	\$ -	\$ 1,500.00	0.00%
100-793-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-556100	Gasoline/diesel Fuel	\$ 5,500.00	\$ -	\$ -	\$ 5,500.00	0.00%
100-793-599802	Computer Hardware	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	0.00%
	Supplies & Materials	\$ 12,000.00	\$ 428.43	\$ 808.17	\$ 11,191.83	6.73%
100-793-518100	Liability Insurance Premiums	\$ 3,500.00	\$ -	\$ -	\$ 3,500.00	0.00%
100-793-524000	Lease/rental Of Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-534000	Automotive Expense	\$ 5,000.00	\$ -	\$ 206.50	\$ 4,793.50	4.13%
100-793-534400	Equipment Repairs	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-536100	Property Cleanup Fees	\$ -	\$ 2,832.50	\$ 5,447.50	\$ (5,447.50)	0.00%
100-793-538000	Maintenance Agreements	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-551600	Dues And Subscriptions	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	0.00%
100-793-555000	Radio Expense	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-559900	Provisions For Bad Debts	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-560500	Consulting Services	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-560600	Corporate Counsel Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-562500	Demolition	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-569000	Other Contractual Service	\$ 53,040.00	\$ -	\$ 35,360.00	\$ 17,680.00	66.67%
100-793-599801	Computer Software	\$ 7,500.00	\$ -	\$ 10,000.00	\$ (2,500.00)	133.33%
	Contractual Services	\$ 70,040.00	\$ 2,832.50	\$ 51,014.00	\$ 19,026.00	72.84%
100-793-587000	Machinery And Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-587100	Office Equipment & Furniture	\$ 2,000.00	\$ -	\$ 159.99	\$ 1,840.01	8.00%
100-793-587500	Vehicles	\$ 84,000.00	\$ -	\$ -	\$ 84,000.00	0.00%
	Capital Outlay	\$ 86,000.00	\$ -	\$ 159.99	\$ 85,840.01	0.19%
100-793-518700	Mileage	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-551000	Printing And Publications	\$ 2,000.00	\$ -	\$ 1,182.44	\$ 817.56	59.12%
100-793-554200	Meals Lodging	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-557200	License And Inspection Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-793-593300	Lien Filing Fee	\$ 1,200.00	\$ -	\$ -	\$ 1,200.00	0.00%
100-793-599000	Miscellaneous	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Expenditures	\$ 3,200.00	\$ -	\$ 1,182.44	\$ 2,017.56	36.95%
793	Inspections	\$ (372,719.00)	\$ (9,245.56)	\$ (17,724.88)	\$ (354,994.12)	4.76%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-990-410100	Real Estate Tax	\$ 4,730,608.00	\$ 31.14	\$ 4,729,203.31	\$ 1,404.69	99.97%
100-990-410900	Use Tax	\$ 1,560,000.00	\$ 106,940.07	\$ 779,906.91	\$ 780,093.09	49.99%
100-990-411000	Municipal Sales Tax	\$ 6,500,000.00	\$ 546,693.24	\$ 4,440,331.31	\$ 2,059,668.69	68.31%
100-990-411004	Home Rule Sales Tax	\$ 7,500,000.00	\$ 607,441.38	\$ 4,913,250.98	\$ 2,586,749.02	65.51%
100-990-411005	Local Cannabis Sales Tax	\$ 175,000.00	\$ 16,489.14	\$ 114,927.90	\$ 60,072.10	65.67%
100-990-412000	Replacement P/p Tax - State	\$ 4,100,000.00	\$ 167,406.28	\$ 2,267,497.03	\$ 1,832,502.97	55.30%
100-990-412200	Pull Tab/jar Game Tax	\$ 2,500.00	\$ -	\$ -	\$ 2,500.00	0.00%
100-990-412300	Video Gaming Tax	\$ 650,000.00	\$ 64,140.97	\$ 477,248.78	\$ 172,751.22	73.42%
100-990-413000	Illinois Income Tax	\$ 5,200,000.00	\$ 291,008.94	\$ 3,407,202.40	\$ 1,792,797.60	65.52%
100-990-413001	Illinois Income Tax Surch	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-414100	Food & Beverage Tax	\$ 1,550,000.00	\$ 125,121.12	\$ 1,068,607.71	\$ 481,392.29	68.94%
100-990-414200	Packaged Liquor Tax	\$ 200,000.00	\$ 14,978.11	\$ 143,621.09	\$ 56,378.91	71.81%
100-990-455002	Municipal Telecommunictns	\$ 312,000.00	\$ 26,489.03	\$ 207,637.66	\$ 104,362.34	66.55%
100-990-496100	RE Tax Clearing Acct	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-496200	PPRT Tax Clearing Acct	\$ 547,730.00	\$ 14,438.47	\$ 14,438.47	\$ 533,291.53	2.64%
	Taxes	\$ 33,027,838.00	\$ 1,981,177.89	\$ 22,563,873.55	\$ 10,463,964.45	68.32%
100-990-442500	Federal Grants	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-442600	State Grants	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-442700	County Grants	\$ -	\$ -	\$ -	\$ -	0.00%
	Intergovernmental	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-451900	Sales - Ordinances & Maps	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-455001	Ameren Franchise	\$ 335,600.00	\$ 27,966.66	\$ 223,733.33	\$ 111,866.67	66.67%
100-990-455003	Franchise Fee - Cable Tv	\$ 450,000.00	\$ 90,000.00	\$ 277,822.70	\$ 172,177.30	61.74%
100-990-455004	Good Energy Revenue	\$ -	\$ -	\$ 4,924.99	\$ (4,924.99)	0.00%
100-990-458000	TC3 Service Fee	\$ 15,000.00	\$ 1,250.00	\$ 10,000.00	\$ 5,000.00	66.67%
	Fees/Charges For Service	\$ 800,600.00	\$ 119,216.66	\$ 516,481.02	\$ 284,118.98	64.51%
100-990-414002	Impound Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-463500	Late Payment Penalty	\$ 25,000.00	\$ 577.33	\$ 5,305.85	\$ 19,694.15	21.22%
100-990-463600	Interest Charge	\$ 5,000.00	\$ 164.28	\$ 1,160.09	\$ 3,839.91	23.20%
	Fines And Forfeitures	\$ 30,000.00	\$ 741.61	\$ 6,465.94	\$ 23,534.06	21.55%
100-990-490100	Interest Earnings	\$ 350,000.00	\$ 68,281.94	\$ 537,727.35	\$ (187,727.35)	153.64%
100-990-491900	Incr/decr Investment Valu	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-492300	Bond Credits	\$ -	\$ -	\$ -	\$ -	0.00%
	Investment Earnings	\$ 350,000.00	\$ 68,281.94	\$ 537,727.35	\$ (187,727.35)	153.64%
100-990-454500	Other Contractual Revenue	\$ 10,000.00	\$ 4,877.06	\$ 37,726.28	\$ (27,726.28)	377.26%
100-990-490800	Developer Agreement Payments	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-491300	Prorated Re Tax/City Prop	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-495600	Insurance Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-498900	Non Sufficient Funds Fee	\$ -	\$ -	\$ 75.00	\$ (75.00)	0.00%
100-990-499150	Suits And Settlements	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-499201	Human Rights Contributions	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-499400	Proceeds Of Auction	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-499520	Unclaimed Grant Money	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-499800	Miscellaneous Receipts	\$ -	\$ -	\$ 2,189.33	\$ (2,189.33)	0.00%
100-990-499802	Cash Over/Short	\$ -	\$ -	\$ -	\$ -	0.00%
	Other Revenue	\$ 10,000.00	\$ 4,877.06	\$ 39,990.61	\$ (29,990.61)	399.91%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-990-492000	Bond Proceeds - Principal	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-492100	Loan Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
	Debt Proceeds	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440223	Transfer From Solid Waste	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440231	Transfer From Sewerage	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440232	Transfer From Storm Water	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440240	Transfer From Motor Fuel	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440261	Transfer From Hud	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440270	Transfer from TIF I	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440277	Transfer from BDD	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440445	Transfer From Capital Projects	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440501	Transfer From School Bus	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440525	Transfer from Airport	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440570	Transfer from Econ Development	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440695	Transfer from Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440800	Transfer from Debt Service	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440900	Transfer From Tpc	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440901	Trnsfr from TPCCC Dissolution	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-440924	Contribution from Library	\$ 15,000.00	\$ -	\$ 7,500.00	\$ 7,500.00	50.00%
100-990-499850	Allocated Cost Reimbursements	\$ -	\$ -	\$ -	\$ -	0.00%
	Transfers From Other Funds	\$ 15,000.00	\$ -	\$ 7,500.00	\$ 7,500.00	50.00%
100-990-511600	Salary: All Personnel	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-517000	Oasdi/city share 6.2%	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-517001	Medicare/city share 1.45%	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-517401	IMRF	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-518000	Group Insurance	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-599997	Payroll Increase Set Aside	\$ -	\$ -	\$ -	\$ -	0.00%
	Personnel	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520200	Office Supplies	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520400	Postage	\$ -	\$ (543.22)	\$ (2,042.14)	\$ 2,042.14	0.00%
100-990-529000	Equipment	\$ -	\$ -	\$ -	\$ -	0.00%
	Supplies & Materials	\$ -	\$ (543.22)	\$ (2,042.14)	\$ 2,042.14	0.00%
100-990-511500	Economic Assistance	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-524000	Lease/rental Of Equipment	\$ 2,200.00	\$ 255.42	\$ 1,424.66	\$ 775.34	64.76%
100-990-538000	Maintenance Agreements	\$ 7,500.00	\$ 412.01	\$ 5,033.58	\$ 2,466.42	67.11%
100-990-550300	Telephone	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-559900	Receivable Charge Off	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-560100	Auditing Fees	\$ 45,000.00	\$ 28,212.90	\$ 38,212.90	\$ 6,787.10	84.92%
100-990-565900	Citylink Contract	\$ 210,000.00	\$ -	\$ 105,000.00	\$ 105,000.00	50.00%
100-990-568100	Home Rule Tax Rebate	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-569000	Other Contractual Service	\$ 110,000.00	\$ 541.30	\$ 6,027.38	\$ 103,972.62	5.48%
100-990-590900	Police And Fire Commission	\$ 20,000.00	\$ 2,440.75	\$ 13,126.90	\$ 6,873.10	65.63%
	Contractual Services	\$ 394,700.00	\$ 31,862.38	\$ 168,825.42	\$ 225,874.58	42.77%
100-990-580200	Land Purchase	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-587100	Office Equipment & Furniture	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-599998	Capital Set Aside	\$ -	\$ -	\$ -	\$ -	0.00%
	Capital Outlay	\$ -	\$ -	\$ -	\$ -	0.00%



General Ledger

General Fund Revenue vs Expense Detail

Period 08 - 08

Fiscal Year 2024

Account Number	Description	Budget	Current Month	Year to Date	Balance	% Budget
100-990-551000	Printing And Publications	\$ -	\$ -	\$ 757.00	\$ (757.00)	0.00%
100-990-590600	Bank Charges	\$ 1,500.00	\$ 120.00	\$ 934.00	\$ 566.00	62.27%
100-990-590905	Human Rights Expenditures	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-593700	Reconciliation Difference	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-599000	Miscellaneous	\$ -	\$ -	\$ 365.74	\$ (365.74)	0.00%
100-990-599002	IMRF Costs-ERI	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-599700	Income Credit	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-599999	Contingency	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	0.00%
	Other Expenditures	\$ 51,500.00	\$ 120.00	\$ 2,056.74	\$ 49,443.26	3.99%
100-990-590400	Interest Paid	\$ 37,776.00	\$ 2,824.85	\$ 23,366.59	\$ 14,409.41	61.86%
100-990-591000	Bond Principal Retired	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-591100	Bond Registrar Fees	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-591101	Bond Issuance Costs	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-591200	Note Principal Paid	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-591400	Loan payments	\$ 344,477.00	\$ 6,569.18	\$ 51,785.65	\$ 292,691.35	15.03%
	Debt Service	\$ 382,253.00	\$ 9,394.03	\$ 75,152.24	\$ 307,100.76	19.66%
100-990-520223	Transfer To Garbage	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520225	Transfer To Yardwaste	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520226	Transfer To Recycling	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520231	Transfer To Sewerage Fund	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520240	Transfer to MFT	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520261	Transfer To Hud	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520270	Transfer To Tif 1	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520445	Transfer To Capital Projects	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520500	Transfer To Municipal Bus	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520525	Transfer To Pekin Airport	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520570	Transfer To Economic Devel	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520695	Transfer To Insurance Fund	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520699	Transfer To Vehicle Maint	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520800	Transfer to Library Debt	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520924	Transfer To Library Fund	\$ -	\$ -	\$ -	\$ -	0.00%
100-990-520941	Transfer To Police Pension	\$ 1,828,630.00	\$ 55,960.95	\$ 1,546,096.53	\$ 282,533.47	84.55%
100-990-520944	Transfer To Fire Pension	\$ 3,588,167.00	\$ 113,104.68	\$ 3,124,888.64	\$ 463,278.36	87.09%
	Transfers To Other Funds	\$ 5,416,797.00	\$ 169,065.63	\$ 4,670,985.17	\$ 745,811.83	86.23%
990	General Operations	\$ 27,988,188.00	\$ 1,964,396.34	\$ 18,757,061.04	\$ 9,231,126.96	67.02%
100	General Fund	\$ 3,588,793.00	\$ (409,305.12)	\$ 2,874,859.79	\$ 713,933.21	80.11%
Revenue Total		\$ 37,152,447.00	\$ 2,423,331.33	\$ 25,555,340.84	\$ 11,597,106.16	6878.51%
Expense Total		\$ 33,563,654.00	\$ 2,832,636.45	\$ 22,680,481.05	\$ 10,883,172.95	6757.45%
Grand Total		\$ 3,588,793.00	\$ (409,305.12)	\$ 2,874,859.79	\$ 713,933.21	80.11%

**REQUEST FOR COUNCIL ACTION**

Agenda Date: January 22, 2024
To: Members of the City Council
From: Sue McMillan, City Clerk

AGENDA ITEM: Resolution No. 91-23/24 Mayor's Reappointment of David Volz to the Pekin Housing Authority Board to a term until January 14, 2029

DESCRIPTION: Mayor's reappointment of David Volz to the Pekin Housing Authority Board for a 5 year term until January 14, 2029

FINANCIAL IMPACT:

Requested Amount:
 Line Item:
 Budgeted Amount:
 Remaining Funds:
 Notes:

REVIEWED BY:

Katherine Swise, City Attorney
 John Dossey, City Manager
 Sue McMillan, City Clerk

Approved - 1/16/2024
 Approved - 1/16/2024
 Final Approval - 1/19/2024

Resolution No. 91-23/24 Mayor's Reappointment of David Volz to the Pekin Housing Authority Board to a term until January 14, 2029

WHEREAS, David Volz was first appointed to the Pekin Housing Authority July 24, 2000 to fill the unexpired term of Thomas E. Maher; and

WHEREAS, David Volz was recommended by the Pekin Housing Authority Director Dennis Green to be reappointed to the Board; and

WHEREAS, the City Council desires to reappoint David Volz to the Pekin Housing Authority.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS, THAT:

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS, THAT:

Section 1. The foregoing findings and recitals are found to be true and correct and are incorporated herein.

Section 2. Pursuant to 310 ILCS 10/3, David Volz is hereby appointed for a 5-year term until January 14, 2029 as a member of the Pekin Housing Authority Board.

Section 3. The appointment made herein shall be effective immediately upon the passage of this Resolution and shall continue through January 14, 2029, or until a successor is appointed.

RESULT:	(0 TO 0)
MOVER:	None
SECONDER:	None
AYES:	None
NAYS:	None
ABSTAIN:	None

ADOPTED AND APPROVED at a Regular meeting of the City Council of the City of Pekin this ____ day of _____, 20____.

Mayor

ATTEST:

City Clerk

**REQUEST FOR COUNCIL ACTION**

Agenda Date: January 22, 2024
To: Members of the City Council
From: Nic Maquet, Chief Building Official

AGENDA ITEM: Ordinance No. 4143-23/24 Site Plan Approval at 3312 S. Veterans Dr. with PIN# 11-11-07-400-035

DESCRIPTION: A site plan review has been submitted by La Fiesta to allow for the construction of a parking lot expansion and a proposed future building. Said property is zoned B-3 General Business with a legal description, SEC 7 T24N R4W WALTON SUBD LOT 4 SE 1/4 .80 AC, with the following PIN:11-11-07-400-035 Tazewell County, Illinois,

SUMMARY

The owners of La Fiesta have been successful in their business and have recognized that they have a need for additional parking for their restaurant. With the acquisition of the adjoining parcels, they are proposing to add 36 overflow parking spaces and an additional building in the future. The proposed building will not be part of this initial project, but they are seeking site plan approval at this time. The initial project will consist of a parking lot, storm water detention pond enlargement, private access road and site utilities for future use. Staff will work with architects and contractors at the time of construction for the proposed buildings placement of the required ADA parking spaces.

STAFF NOTES

- Surrounding properties are all zoned B3-General Business.
- The Zoning Board of Appeals has recommended Approval

FINANCIAL IMPACT:**REVIEWED BY:**

Nic Maquet, Chief Building Official
 Katherine Swise, City Attorney
 John Dossey, City Manager
 Sue McMillan, City Clerk

Approved - 1/18/2024
 Approved - 1/19/2024
 Approved - 1/19/2024
 Final Approval - 1/19/2024

Ordinance No. 4143-23/24 Site Plan Approval at 3312 S. Veterans Dr. with PIN# 11-11-07-400-035

WHEREAS, La Fiesta ("Petitioner") owns the property located adjacent to its current location at 3400 Veterans Drive in the City of Pekin and having the parcel identification number of 11-11-07-400-035 (the "Property"); and

WHEREAS, the Petitioner has submitted a site plan for construction of a parking lot and proposed future building on the Property for approval by the City, a copy of which is attached hereto as **Exhibit A**; and

WHEREAS, after a hearing pursuant to duly posted notice, the City of Pekin Zoning Board of Appeals has recommended approval of the site plan as submitted.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS, THAT:

Section 1. The findings and recitations set forth above are found to be true and correct and are adopted herein.

Section 2. The site plan attached hereto as **Exhibit A** is approved as submitted.

RESULT:	(0 TO 0)
MOVER:	None
SECONDER:	None
AYES:	None
NAYS:	None
ABSTAIN:	None

Mayor

ATTEST:

City Clerk



Site Plan Review Application

Applicant Information:

Name: TED CLARK, ARCHITECT
Address: 225 DEER LAKES DR., GOODFIELD, IL 61742
Telephone: 309-242-2047 (Work) _____ (Home)

Other Applicants & Interested Parties:

Owner(s):

Name: _____
Address: _____
Telephone: _____ (Work) _____ (Home)

Developer(s):

Name: TEEKONA GROUP, INC
Address: _____
Telephone: 615-965-4211 (Work) _____ (Fax)

Engineer:

Name: ALDEIA ENGINEERING & SURVEYING
Address: 216 E. GROVE ST.
Telephone: 309-205-3606 (Work) _____ (Fax)

Surveyor:

Name: ALDEIA ENGINEERING & SURVEYING
Address: _____
Telephone: _____ (Work) _____ (Fax)

Agent / Attorney:

Name: _____
Address: _____
Telephone: _____ (Work) _____ (Fax)

Site Information:

Site Address: NOT ASSIGNED yet

Property Identification Number (PIN): _____

Legal Description: _____

Total Site Area (acres or square feet): .838 ACRES

Land Use and Zoning:

<u>Location</u>	<u>Current Zoning</u>	<u>Current Land Use</u>
Proposed Site	<u>B3</u>	<u>Vacant</u>
Adjacent North of Site	<u>B3</u>	_____
Adjacent South of Site	<u>B3</u>	_____
Adjacent East of Site	<u>B3</u>	_____
Adjacent West of Site	<u>B3</u>	_____

<u>Location</u>	<u>Proposed Zoning</u>	<u>Proposed Land Use</u>
Proposed Site	<u>B3</u>	_____

Anticipated Construction Time: 2 MONTHS

Will Development be Staged: YES

Brief Description of Development / Project:

WEST PARKING LOT (22 SPACES), ACCESS DRIVE,
AND RETENTION BASIN WILL BE COMPLETED NOW,
BUILDING & EAST PARKING WILL BE COMPLETED
WHEN A TENANT CONTRACT IS ACQUIRED.

Ground Coverage:

	<u>Buildings</u>		<u>Pavement</u>	
Existing:	<u>0</u> s.f.	_____ % of site	<u>0</u> s.f.	<u>0</u> % of site
Additional				
Proposed:	<u>3450</u> s.f.	<u>9.45</u> % of site	<u>16,425</u> s.f.	<u>45</u> % of site
Total				
Proposed:	<u>3450</u> s.f.	<u>9.45</u> % of site	<u>16,425</u> s.f.	<u>45</u> % of site

Gross Floor Area (GFA):

Existing:	<u>0</u> s.f.
Additional	
Proposed:	<u>3450</u> s.f.
Total	
Proposed:	<u>3450</u> s.f.

Breakdown of Proposed Use(s) by GFA:

<u>USE</u>	<u>GFA</u>
_____	_____
_____	_____
_____	_____
_____	_____

Describe in terms of any other units of measure the use or occupancy of the building(s) such as maximum seating capacity, number of employees, number of tables, etc.:

Effect of the project on public services, such as electric, gas, water, sewer, streets, schools, fire, waste disposal and recreational facilities:

No IMPACT ON "PHASE 1"

Parking and Traffic:

	<u>Parking Space(s)</u>	<u>Loading Space(s)</u>
Existing	<u>0</u>	_____
Additional Proposed	<u>36</u>	_____
Total Proposed	<u>36</u>	<u>0</u>

How many vehicles are used for business and parked on site: _____

	<u>A.M. Peak</u>	<u>P.M. Peak</u>
Estimated Traffic Flow Within the Site:	_____	_____
Estimated Traffic Flow on Streets Adjacent to Site:	_____	_____

Utility Usage:

A separate service (electric, gas, water) is required for each business or living unit.

	<u>Existing</u>	<u>Proposed</u>	<u>Total</u>
<u>Electric</u>			
Number of Service(s)	_____	_____	_____
Primary / Secondary	_____	_____	_____
Phase (1 or 3)	_____	_____	_____
Voltage (120,208,240)	_____	_____	_____
Usage Monthly (Kilowatt Hours)	_____	_____	_____
<u>Gas</u>			
Number of Service(s)	_____	_____	_____
Service Pressure (psi)	_____	_____	_____
Usage Monthly (1,000 cf)	_____	_____	_____
<u>Water</u>			
Number of Service(s)	_____	_____	_____
Service Size (3/4, 1, 2, etc.)	_____	_____	_____
Population Equivalent (1PE=100gal sewage per day)	_____	_____	_____
Domestic	_____	_____	_____
Process	_____	_____	_____
Landscape	_____	_____	_____

Wastewater

Number of Service(s) _____
Population Equivalent (1PE=100gal sewage per day) _____
Domestic _____
Process _____
Describe or list products and their composition included in process wastewater: _____

Site Work:

Amount of Grading: _____ cut _____ fill
Will the project require removal of soils from the site: _____ yes ☒ no
If Yes, how may cubic yards and where is soil being relocated: _____

Erosion and Sediment Control Plan:

An erosion and sediment control plan conforming to Illinois Department of Transportation specifications, which are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Illinois Urban manual must be shown. A Notice of Intent (NOI) must be filed with IEPA for land disturbing activities over 1 acre. This is a federal requirement. Be advised that the NOI and the EPA's acknowledgement letter must be posted in a conspicuous location at the job site or other location where public access is assured. The Storm Water Pollution Prevention Plan (SWPPP) must be kept on-site and available for inspection by City, State and/or Federal inspectors. Erosion and sediment control measures must be in place before excavation and grading can begin.

Applicant Notification:

The application shall be filled out completely so that there will be no ambiguity or uncertainty as to the applicant's intent in seeking approval of this application. Applicants are advised to review the City of Pekin Zoning Ordinances prior to filing an application and prior to appearing before the Zoning Board at the public hearing.

Certification:

Under penalty of perjury the undersigned hereby certifies that he/she has read and examined this application and that the proposed project is accurately represented in the statements made in this application.

Owner(s): _____ Date: _____
_____ Date: _____

Applicant: _____ Date: _____
The signature of the property owner(s) is required for the application to be accepted.

LEGAL DESCRIPTION: (subject property)

For Parcel ID: 11-11-07-400-035

All of Lot 4 of the Walton Subdivision Final Plat recorded in the Recorder's Office of Tazewell County, Illinois as Document No. 200400000457 on January 7, 2004 in Plat Book YY, Page 120-121. Said Lot 4 being a part of the Southeast Quarter of Section 7, Township 24 North, Range 4 West of the Third Principal Meridian in the City of Pekin, Tazewell County, Illinois.

LEGAL DESCRIPTION: (property adjacent to South)

For Parcel ID: 11-11-07-400-036

Lot 5 of the Walton Subdivision Final Plat recorded in the Recorder's Office of Tazewell County, Illinois as Document No. 200400000457 on January 7, 2004 in Plat Book YY, Page 120-121. Said Lot 5 being a part of the Southeast Quarter of Section 7, Township 24 North, Range 4 West of the Third Principal Meridian in the City of Pekin, Tazewell County, Illinois.

LEGAL DESCRIPTION:

A Part of Parcel ID: 11-11-07-400-036 for Transfer to Adjacent Property Owner

A Part of Lot 5 of the Walton Subdivision Final Plat recorded in the Recorder's Office of Tazewell County, Illinois as Document No. 200400000457 on January 7, 2004 in Plat Book YY, Page 120-121. Said Lot 5 being a part of the Southeast Quarter of Section 7, Township 24 North, Range 4 West of the Third Principal Meridian in the City of Pekin, Tazewell County, Illinois, being more particularly described as follows:

Beginning at the northernmost corner of said Lot 5; thence South 01°30'48" East along the West line of said Lot 5, 43.00 feet to a point; thence North 88°29'12" East, 71.26 feet to a point on the North line of said Lot 5; thence North 60°24'26" West along the North line of said Lot 5, 83.23 feet to the Point of Beginning, containing 1,532.09 square feet, more or less, situated in Tazewell County, Illinois.

La Fiesta – Pekin, IL

Stormwater Detention Calculations

Drainage Area = 0.803 acres

Runoff Coefficient Calculations

Type Of Drainage Surface	Range	Value	Pre-Developed Calculations		Post-Developed Calculations	
			% D. Area	Runoff Coeff [C]	% D. Area	Runoff Coeff [C]
Basin	[1.00]	1			4.48	0.04
Roofs	[0.75 - 0.95]	0.95			8.47	0.08
Pavements						
Asphalt	[0.70 - 0.95]	0.95				
Concrete	[0.80 - 0.95]	0.95			49.44	0.47
Gravel	[0.25 - 0.70]	0.70				
R.R. Yards	[0.20 - 0.40]	0.30				
Earth Surfaces						
Sand						
Bare	[0.15 - 0.50]	0.35				
Light Vegetation	[0.10 - 0.40]	0.25				
Dense Vegetation	[0.05 - 0.30]	0.20				
Loam						
Bare	[0.20 - 0.60]	0.40				
Light Vegetation	[0.10 - 0.45]	0.30				
Dense Vegetation	[0.05 - 0.35]	0.20				
Gravel						
Bare	[0.25 - 0.65]	0.50				
Light Vegetation	[0.15 - 0.50]	0.35				
Dense Vegetation	[0.10 - 0.40]	0.25				
Clay						
Bare	[0.30 - 0.75]	0.60				
Light Vegetation	[0.20 - 0.60]	0.40				
Dense Vegetation	[0.15 - 0.50]	0.35				
Composite Area						
City, Busines Area	[0.70 - 0.95]	0.90				
City Dense Residential	[0.50 - 0.65]	0.60				
Surburban Residential	[0.35 - 0.55]	0.45				
Rural District	[0.10 - 0.25]	0.20				
Parks, Golf Courses, etc.	[0.10 - 0.35]	0.25				
Lawns						
Sandy Soil, Flat - 2%	[0.05 - 0.10]	0.10				
Sandy Soil, 2% - 7%	[0.10 - 0.15]	0.15				
Sandy Soil, steep - 7%	[0.15 - 0.20]	0.20				
Heavy Soil, Flat - 2%	[0.13 - 0.17]	0.15	50.00	0.08		
Heavy Soil, 2% - 7%	[0.18 - 0.22]	0.22	50.00	0.11	37.61	0.08
Heavy Soil, steep - 7%	[0.25 - 0.35]	0.30				
Area Total=			100.00	Percent	100.00	Percent
Composite Runoff Coefficient=				0.19		0.68

Time Of Concentration Calculations

5-Year Frequency							
Duration [min.]	Intensity [in/hr], I	Time of Concentration [min.], Tc					
		Pre-Developed	Post-Developed				
5	5.40	5.61	3.70		<u>Pre-Developed</u>		
10	4.98	5.79	3.82		Tc=	5.63 min.	
15	4.08	6.28	4.14		i=	5.35 in/hr	
30	2.78	7.32	4.83		Q=	0.79 cfs	
60	1.77	8.76	5.78		<u>Post-Developed</u>		
120	1.11	10.56	6.97		Tc=	5.00 min.	
180	0.80	12.04	7.94		i=	5.40 in/hr	
360	0.48	14.77	9.75		Q=	2.94 cfs	
25-Year Frequency							
Duration [min.]	Intensity [in/hr], I	Time of Concentration [min.], Tc					
		Pre-Developed	Post-Developed				
5	7.68	4.87	3.21		<u>Pre-Developed</u>		
10	7.02	5.05	3.33		Tc=	5.00 min.	
15	5.76	5.47	3.61		i=	7.68 in/hr	
30	3.94	6.36	4.20		Q=	1.14 cfs	
60	2.50	7.63	5.04		<u>Post-Developed</u>		
120	1.57	9.20	6.07		Tc=	5.00 min.	
180	1.13	10.49	6.92		i=	7.68 in/hr	
360	0.68	12.85	8.48		Q=	4.18 cfs	
100-Year Frequency							
Duration [min.]	Intensity [in/hr], I	Time of Concentration [min.], Tc					
		Pre-Developed	Post-Developed				
5	9.96	4.39	2.90		<u>Pre-Developed</u>		
10	9.12	4.55	3.00		Tc=	5.00 min.	
15	7.48	4.92	3.25		i=	9.96 in/hr	
30	5.12	5.73	3.78		Q=	1.48 cfs	
60	3.25	6.87	4.53		<u>Post-Developed</u>		
120	2.04	8.28	5.46		Tc=	5.00 min.	
180	1.46	9.47	6.25		i=	9.96 in/hr	
360	0.88	11.59	7.65		Q=	5.42 cfs	

Stormwater Detention Requirement Calculations

5-Year Frequency				25-Year Frequency				100-Year Frequency	
1,293 cu. ft.				1,806 cu. ft.				2,352 cu. ft.	
5-Year Frequency									
Runoff Coefficient [C]	Storm Duration, min	Rainfall Intensity [I], in/hr	Area, acres	Discharge [Q], cfs		Storage Rate, cfs	Storage Volume		
				<u>Inflow</u>	<u>Outflow</u>		<u>ac.ft.</u>	cu. ft.	
0.68	5	5.40	0.80	2.94	0.79	2.14	0.01	643	
0.68	10	4.98	0.80	2.71	0.79	1.92	0.03	1,149	
0.68	15	4.08	0.80	2.22	0.79	1.43	0.03	1,283	
0.68	30	2.78	0.80	1.51	0.79	0.72	0.03	1,293	
0.68	60	1.77	0.80	0.96	0.79	0.17	0.01	608	
0.68	120	1.11	0.80	0.60	0.79	0.00	0.00	0	
0.68	180	0.80	0.80	0.44	0.79	0.00	0.00	0	
0.68	360	0.48	0.80	0.26	0.79	0.00	0.00	0	
5-Year Frequency			<i>Required Detention</i>						
			0.03 ac. ft.		48 cu. yd.		1,293 cu. ft.		
25-Year Frequency									
Runoff Coefficient [C]	Storm Duration, min	Rainfall Intensity [I], in/hr	Area, acres	Discharge [Q], cfs		Storage Rate, cfs	Storage Volume		
				<u>Inflow</u>	<u>Outflow</u>		<u>ac.ft.</u>	cu. ft.	
0.68	5	7.68	0.80	4.18	1.14	3.04	0.02	912	
0.68	10	7.02	0.80	3.82	1.14	2.68	0.04	1,608	
0.68	15	5.76	0.80	3.13	1.14	1.99	0.04	1,794	
0.68	30	3.94	0.80	2.14	1.14	1.00	0.04	1,806	
0.68	60	2.50	0.80	1.36	1.14	0.22	0.02	790	
0.68	120	1.57	0.80	0.85	1.14	0.00	0.00	0	
0.68	180	1.13	0.80	0.61	1.14	0.00	0.00	0	
0.68	360	0.68	0.80	0.37	1.14	0.00	0.00	0	
25-Year Frequency			<i>Required Detention</i>						
			0.04 ac. ft.		67 cu. yd.		1,806 cu. ft.		
100-Year Frequency									
Runoff Coefficient [C]	Storm Duration, min	Rainfall Intensity [I], in/hr	Area, acres	Discharge [Q], cfs		Storage Rate, cfs	Storage Volume		
				<u>Inflow</u>	<u>Outflow</u>		<u>ac.ft.</u>	cu. ft.	
0.68	5	9.96	0.80	5.42	1.48	3.94	0.03	1,182	
0.68	10	9.12	0.80	4.96	1.48	3.48	0.05	2,090	
0.68	15	7.48	0.80	4.07	1.48	2.59	0.05	2,332	
0.68	30	5.12	0.80	2.79	1.48	1.31	0.05	2,352	
0.68	60	3.25	0.80	1.77	1.48	0.29	0.02	1,040	
0.68	120	2.04	0.80	1.11	1.48	0.00	0.00	0	
0.68	180	1.46	0.80	0.79	1.48	0.00	0.00	0	
0.68	360	0.88	0.80	0.48	1.48	0.00	0.00	0	
100-Year Frequency			<i>Required Detention</i>						
			0.05 ac. ft.		87 cu. yd.		2,352 cu. ft.		



REQUEST FOR COUNCIL ACTION

Agenda Date: January 22, 2024
To: Members of the City Council
From: Nic Maquet, Chief Building Official

AGENDA ITEM: Ordinance No. 4144-23/24 A Special Use request submitted by O'Rourke Enterprises, LLC for 1327 Executive Ct

DESCRIPTION: A Special Use request submitted by O'Rourke Enterprises, LLC for the operation of a Veterinary Clinic at 1327 Executive Ct. Said property is currently zoned B3-General Business with a legal description of SEC 11 T24N R5W GINGOTEAGUE SEC 4-FINAL PLAT LOT 7 SE 1/4 .82 AC with the following PIN: 10-10-11-412-003 in Tazewell County, Illinois.

SUMMARY

The Petitioner Colleen O'Rourke owns and operates Lange Animal Clinic and is seeking a Special Use to relocate her business to further grow and expand its locally owned business. Lange Animal Clinic is currently located at 1305 Black Street and has been in operation at its current location since 1972. It operates as a general veterinary clinic providing health care primarily to cats and dogs. At its current location, the business is unable to expand.

The Property located at 1327 Executive Ct. is Zoned B-3 General Business. The use of the property as a Veterinary clinic within the B-3 district is a special use under City code Section 4-3-6-5-3(3) Veterinary hospitals or clinics, provided all activities are conducted within a totally enclosed main building, and provided further, that all buildings are set back at least 200 feet from abutting residential districts on the same side of the street.

The building sits approximately 55 feet from the property line of a vacant grassy area and parking lot that is currently zoned RM-3. Furthermore, to the north of the building, the property is zoned RM-1 and is currently occupied by apartments for the elderly and disabled and the building sits approximately 68 feet from the property line.

Between the Building at 1327 Executive Ct and the Building located to the North at 2011 S.14th Street there is approximately 138 feet of distance between the two buildings. The two properties are separated by a large grassy area and a parking lot. The two properties are further separated by a 6-foot-tall wooden fence placed on the approximate property line.

STAFF NOTES

- The property has been vacant since 2021 and was previously used as a doctor's office.
- Staff have been inside the building, and it will require significant interior remodeling to accommodate the Veterinary Clinic, and they are aware of this.
- The Zoning Board of Appeals Has recommended Approval



received
12-12-2023
NZ

Planning and Zoning Department
111 S. Capitol Street, Pekin, Illinois 61554 - (309) 477-2300

Board of Appeals Application for Consideration

Type of Request (check one): ☒ A. Special Use (\$85) ☐ B. Residential Variance (\$85) ☐ C. Non-Residential Variance (\$85) ☐ D. Map Amendment/Rezoning (\$75) ☐ E. Annexation (\$75)	Request Property Address or PIN: <u>1327 Executive Ct, Pekin</u> Current Zoning (if known): <u>B-3</u> Proposed Zoning (if rezoning request): _____ Current Use: <u>Vacant - Previously Pekin Pulmonary Clinic</u> Proposed Use (if different): <u>Veterinary Clinic</u>
---	---

Property Owner Name:	<u>von Bun Inc., Elisabeth von Bun</u>
Mailing Address:	<u>3805 Muirfield Dr., New Albany, IN 47150</u>
Phone:	_____
Alternative Phone:	<u>914-671-1090 (Husband Mark Kaney)</u>
E-Mail Address:	<u>evb.health@gmail.com</u>

Applicant Name (if different):	<u>Enterprises</u> <u>O'Rourke Veterinary Services, LLC; Colleen O'Rourke</u>
Mailing Address:	<u>2905 Broadway St. Pekin, IL 61554</u>
Phone:	<u>309-267-1696</u>
Alternative Phone:	<u>309-347-4679</u>
E-Mail Address:	<u>corourke97@gmail.com</u>



Planning and Zoning Department
111 S. Capitol Street, Pekin, Illinois 61554 – (309) 477-2300

Please summarize your request and explain why it is necessary:

Relocation of current business, Lange Animal Clinic, From 1305 Black St
into existing building at 1327 Executive Court. Lange Animal Clinic
has been at its current location since 1972 and operates as a
general practice veterinary clinic providing health care primarily for
cats and dogs. At its current location the business is unable to
expand and would like the opportunity to grow its business in
the building located at 1327 Executive Court.

CERTIFICATION BY PROPERTY OWNER

I certify that I am the owner of the property, which is the subject of this request. I certify that all the information contained in this application form or any attachments, documents, or plans submitted herewith are true to the best of my knowledge and belief. If an applicant is signing below, that applicant has received my approval to proceed with this request.

Ernest C. Tolson

Owner Signature

12/11/2023

Date

CERTIFICATION BY THE APPLICANT (if different)

I certify that all the information contained in this application form or any attachments, documents, or plans submitted herewith are true to the best of my knowledge and belief.

Allen P. Bunker

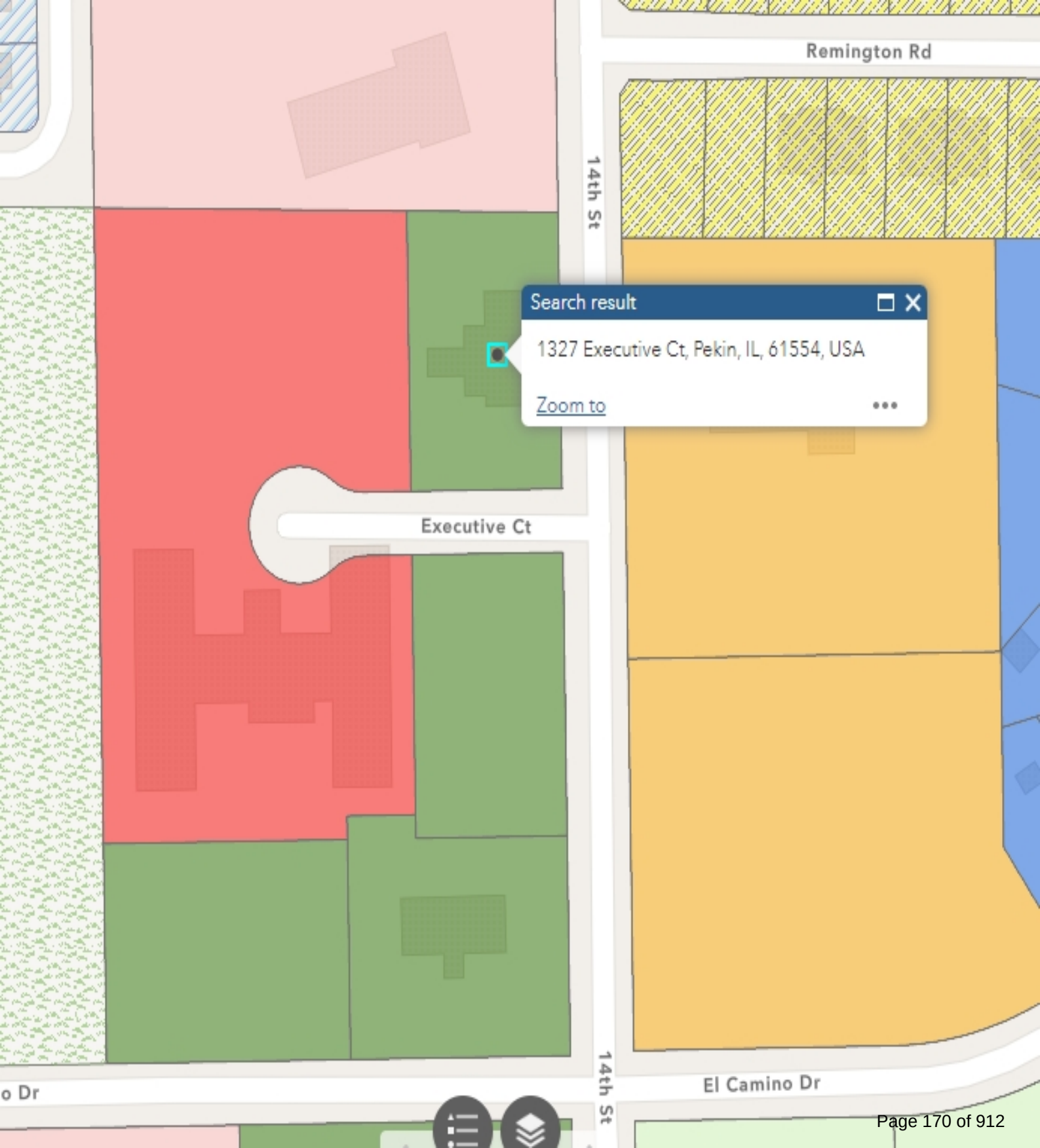
Applicant Signature

12/10/2023

Date



- 47-



Remington Rd

14th St

Search result

1327 Executive Ct, Pekin, IL, 61554, USA

[Zoom to](#)

Executive Ct

14th St

El Camino Dr

10-10-11-400-014

1400

10-10-11-414-024

Length 137.687 feet

Length 67.717 feet

S 14th ST

11

10-10-11-413-273

Length 55.137 feet

10-10-11-412-012

EXECUTIVE CT



Google



Google



Google



REQUEST FOR COUNCIL ACTION

Agenda Date: January 22, 2024
To: Members of the City Council
From: Nic Maquet, Chief Building Official

AGENDA ITEM: Ordinance No. 4145-23/24 Approving a Variance for the Property Located at 2104 Lafayette Ave.

DESCRIPTION: A variance request was submitted by Theodore & Jennifer Percefull for the property located at 2104 Lafayette Ave. to allow for the addition to an existing garage. Said property is zoned R-3 One Family Residential and with a legal description, SEC 25 T25N R5W HOLIDAY HILLS SEC 8 LOT 294 SW 1/4, with the following PIN: 04-04-25-316-012, in Tazewell County, Illinois.

SUMMARY

The Petitioners Theodore and Jennifer Percefull wish to expand their existing garage to have the ability to house their collector cars as well as their personal use vehicles. The property is currently zoned R-3 One Family Residential. The property is approximately 8840 Sq ft and is currently improved with a 1050 Sq ft single family residence with a 182 Sq ft deck and a 624 Sq ft detached garage. The allowable lot coverage is 35% and currently the lot coverage is approximately 21%. The petitioner wishes to add an additional 390 Sq ft to the garage which would bring the lot coverage to an approximate total of 25% lot coverage.

City Code section 4-3-8-3(3) states an accessory building shall not occupy more than 25 percent of a required rear yard, provided that, in a residential district, the accessory building shall not exceed the greater of 500 square feet or 75 percent of the ground floor area of the main building.

The primary structures ground floor area is approximately 1050 Sq ft and that would allow for an accessory structure to be approximately 786 Sq Ft. Currently, the approximate size of the garage is 624 Sq ft and with the addition of the proposed 390 sq ft it would bring it to a total area of 1014 Sq ft, which is 228 Sq ft larger than what is allowed by the city code.

Staff Notes

- The action requested is to provide a variance to increase the maximum allowable size of the garage on this property from 786 sq ft to 1014 sq ft.
- The Zoning Board of Appeals has recommended Approval

Ordinance No. 4145-23/24 Approving a Variance for the Property Located at 2104 Lafayette Ave.

WHEREAS, Theodore and Jennifer Percefull ("Petitioners") are the owners of the property located at 2104 Lafayette Avenue in the City of Pekin (the "Property"); and

WHEREAS, Petitioner has applied to the City for a variance to the provisions of section 4-3-8-3(3) to waive the requirement that an accessory structure be limited to 500 square feet or 75% of the ground floor area of the principal structure; and

WHEREAS, after a hearing pursuant to duly published notice, the City of Pekin Zoning Board of Appeals has recommended approval of the requested variance; and

WHEREAS, the City Council of the City of Pekin finds that the Petition meets the standards for variance set forth in section 4-3-2-1-2 of the City Zoning Code.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS, THAT:

Section 1. The findings and recitations set forth above are found to be true and correct and are adopted herein.

Section 2. The variance requested by Petitioner to waive the requirements of section 4-3-2-1-2 of the Pekin City Code is approved to allow for the expansion of the garage on the Property as set forth in the variance application attached hereto as **Exhibit A**.

Section 3. The variance shall be in effect as of the effective date of this Ordinance.

Section 4. This Ordinance is in addition to all other ordinances on the subject and shall be construed therewith, excepting as to that part in direct conflict with any other ordinance, and in the event of such conflict, the provisions hereof shall govern.

Section 5. This Ordinance shall be in full force and effect from and after its passage and approval in the manner provided by law.

RESULT:	(0 TO 0)
MOVER:	None
SECONDER:	None
AYES:	None

NAYS:	None
ABSTAIN:	None

Mayor

ATTEST:

City Clerk

Case
U 2024-01



Planning and Zoning Department
111 S. Capitol Street, Pekin, Illinois 61554 – (309) 477-2300

Board of Appeals Application for Consideration

<u>Type of Request (check one):</u> ☐ A. Special Use (\$85) ☒ B. Residential Variance (\$85) ☐ C. Non-Residential Variance (\$85) ☐ D. Map Amendment/Rezoning (\$75) ☐ E. Annexation (\$75)	Request Property Address or PIN: _____ 2104 Lafayette Avenue _____ Current Zoning (if known): _____ Residential _____ Proposed Zoning (if rezoning request): _____ Current Use: _____ Residential _____ Proposed Use (if different): _____
--	---

Property Owner Name:	Theodore & Jennifer Percefull
Mailing Address:	2104 Lafayette Ave
Phone:	309-241-4697 Theodore
Alternative Phone:	309-642-0305 Jennifer
E-Mail Address:	Jennted1@gmail.com

Applicant Name (if different):	
Mailing Address:	



Phone:	
Alternative Phone:	
E-Mail Address:	

Planning and Zoning Department
111 S. Capitol Street, Pekin, Illinois 61554 – (309) 477-2300

Please summarize your request and explain why it is necessary:

Would like to add an addition onto an existing 24x26 detached garage. Addition would be 15x26 single stall addition to the south side of the garage . We have collector cars and our own vehicles we would like to keep in the garage. Garage would be 39' wide and 26' deep when finished, or a 3 stall garage .

CERTIFICATION BY PROPERTY OWNER

I certify that I am the owner of the property, which is the subject of this request. I certify that all the information contained in this application form or any attachments, documents, or plans submitted herewith are true to the best of my knowledge and belief. If an applicant is signing below, that applicant has received my approval to proceed with this request.

Theodore D. Bucyfull

Owner Signature

11-28-23

Date



CERTIFICATION BY THE APPLICANT (if different)

I certify that all the information contained in this application form or any attachments, documents, or plans submitted herewith are true to the best of my knowledge and belief.

Theodore Bunz

11-28-23

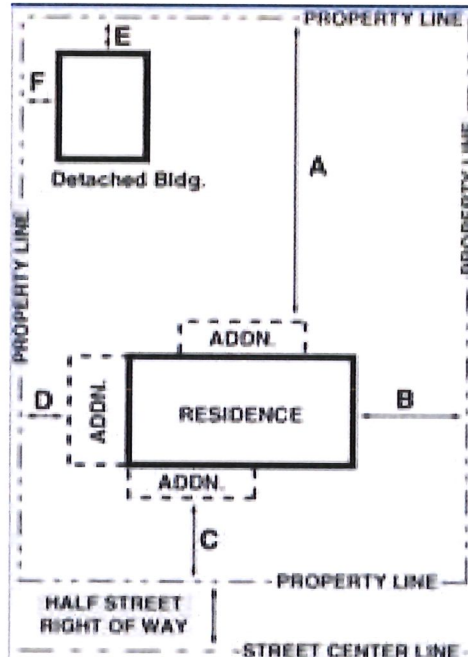
Applicant Signature

Date

Planning and Zoning Department
111 S. Capitol Street, Pekin, Illinois 61554 – (309) 477-2300

The following attachments are required for consideration of your request:

- I. Site Plan:** An electronic copy (preferred) or two physical copies of a site plan for the proposal showing:
1. A scale of not less than one inch equals fifty feet (1" = 50') if the subject property is less than three (3) acres and one inch equals one hundred feet (1" = 100') if three (3) acres or more. Date, north point and scale.
 2. The dimensions of all lot and property lines, showing the relationship of the subject property to abutting properties. The location of all existing and proposed structures on the subject property and all structures within one hundred feet (100') of the subject property. The location of all existing and proposed drives and parking areas. The location and right-of-way widths of all abutting streets and alleys.
 3. Attachments such as landscape plan, photograph or renderings of existing and proposed site, building layouts or elevations, etc. are commended in order to provide accurate and sufficient information for review by the Development Review Committee and consideration by the Plan Commission.
 4. The names, addresses, and phone numbers of the architect, planner, designer, engineer or person responsible for the preparation of the site plan (commercial projects only).



Planning and Zoning Department

111 S. Capitol Street, Pekin, Illinois 61554 – (309) 477-2300

- II. Payment:** Payment of the amount indicated on the first page to accompany your application. If making payment via check, please make payment payable to the “City of Pekin”.
- III. Variance:** If requesting a variance, you must complete and attach this page to your application:
- Variances are intended to relieve situations involving a hardship in meeting Zoning Code requirements. What is the hardship that this variance request is intended to relieve? Examples of hardships can include the topography of the lot, unique shape of the lot or other physical conditions that prevent the request from meeting the requirements of the Zoning Code.

Square footage of main floor house limitation_to addition of garage_____

- Is the variance needed due to special and unique circumstances not caused by the applicant's or owner's own actions?

no_____



3. Should the request be approved, will the variance negatively impact adjoining properties in any way?

_____ **No** _____

4. Will the variance be consistent with the purpose and intent of the Zoning Code and not alter the essential character of the locality?

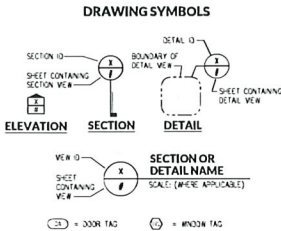
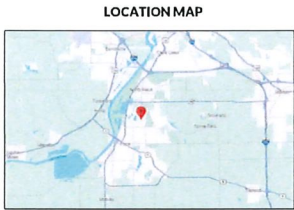
_____ **No** _____

5. Does the benefit(s) of granting the variance outweighs any anticipated negative impacts to the surrounding properties (if any)?

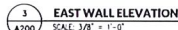
_____ **No** _____

THE PERCEFULL RESIDENCE
GARAGE ADDITION
2104 LAFAYETTE AVE.
PEKIN, ILLINOIS 61554

SHEET INDEX	
SHEET	DESCRIPTION
G001	COVER SHEET
C100	SITE PLAN
A100	FLOOR PLAN
A200	EXTERIOR ELEVATIONS
A300	WALL SECTION
A600	DOOR SCHEDULE
S100	FOUNDATION PLAN



Designed - HTS	Drawn - BDH	Checked - BDH	Date - 2/20/2023
PERCEFULL RESIDENCE GARAGE ADDITION 2104 LAFAYETTE AVE. PEKIN, ILLINOIS 61554			
CITY OF PEKIN COMMUNITY DEVELOPMENT			
HTS Drafting & Design 13241 HORT RD. PEKIN, ILLINOIS 61554 815-297-4471 815-297-4472			
Drawing Name COVER SHEET			
Drawing No. 0001			
Sheet 1 of 7			



REVISIONS	
Date	Description
05DEC23	REV02: ADD SITE PLAN, WALL SECTION, & FOUNDATION PLAN

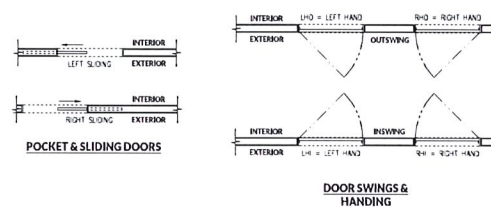
Drawing Name EXTERIOR ELEVATIONS
Drawing No A200
Sheet 4 of 7



HTS Drafting & Design

REMARKS:

1. FRAMING CONTRACTOR TO CONFIRM ROUGH OPENING SIZE WITH DOOR MANUF. SPEC. BEFORE BUILDING ROUGH OPENINGS.



HTS Drafting & Design
13241 HURT RD. | PEKIN, ILLINOIS 61554
bob.hohimer@gmail.com | (309) 397-4881

A map showing a residential area with blue buildings and grey roads. A search result popup is overlaid on the map. The popup has a dark blue header with the text 'Search result' and a close button. The main content area is white and contains the address '2104 Lafayette Ave, Pekin, IL, 61554, USA'. Below the address is a link 'Zoom to' and a three-dot menu. A red pin is visible on the map, indicating the location of the search result. The map shows streets labeled 'Lafayette Ave', 'Dominion Ave', and 'Columbus Dr'.

Search result

2104 Lafayette Ave, Pekin, IL, 61554, USA

[Zoom to](#)





5-105-008
2105

LAFAYETTE

04-04-25-106-001

04-04-25-106-002

9-010
3

2104

04-04-25-316-012

19-009

2102 04-04-25-316-013

04-04-25-316-016

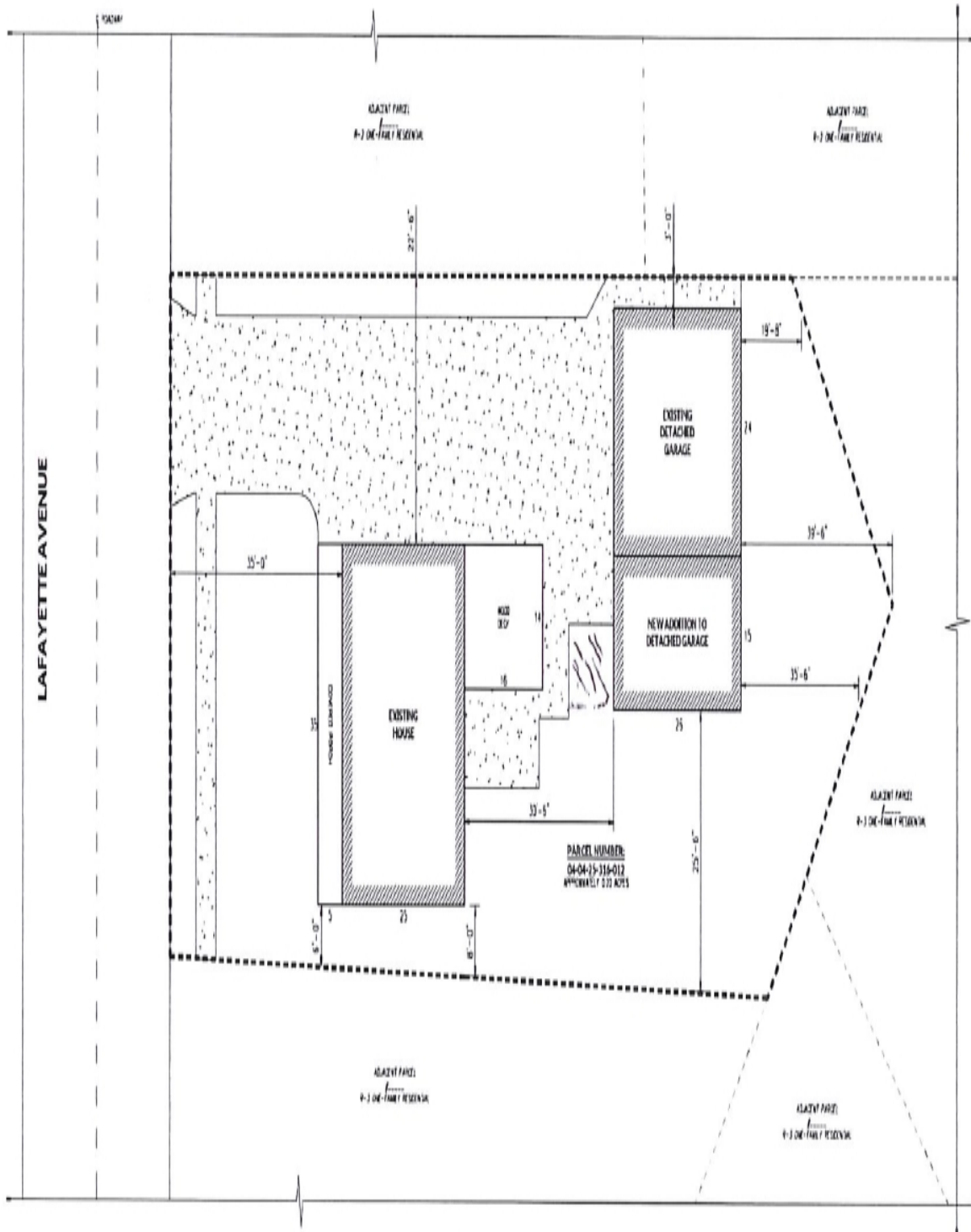
2101

04-04-25-316-014

1826

04-04-25-316-017

1824



SITE PLAN
SCALE: 1/8" = 1'-0"



LEGAL DESCRIPTION
B-ONT DESCRIPTION
SEC 25 T25N R6W HOLIDAY HILLS SEC 8
LOT 294 SW 1/4

ZONING DISTRICT
R-3 ONE-FAMILY RESIDENTIAL DISTRICT

LEGEND



STRUCTURE



CONCRETE
DRIVE/DRIVWAY



PARCEL

SETBACK

DESIGNED BY	MM/NN
DRAWN BY	OSDEC23
CHECKED BY	OSDEC23
DATE	05/11/23
TITLE	PERCELL RESIDENCE
DATE	
FILE	
CLASS	

PERCELL RESIDENCE
GARAGE ADDITION
2104 LAFAYETTE AVE. PEKIN, ILLINOIS 61554
CITY OF PEKIN
COMMUNITY DEVELOPMENT

HTS Drafting & Design
33243 HURT RD., 1 PEKIN, ILLINOIS 61554
800.444.4444

REVISIONS	DESCRIPTION
DATE	DESCRIPTION
OSDEC23	REVISED PLAN, WALL SECTION, & FOUNDATION PLAN
Drawing Name	SITE PLAN
Drawing No	C103



REQUEST FOR COUNCIL ACTION

Agenda Date: January 22, 2024
To: Members of the City Council
From: Joshua Wray, Economic Development Director

AGENDA ITEM: Ordinance No. 4146-23/24 Approving and Authorizing the Execution of a Third Amendment to the Tax Increment Financing (TIF) District and Business Development District Redevelopment Agreement by and between the City of Pekin, East Court Village LLC, and East Court Village II LLC

DESCRIPTION: On August 28, 2023, the City Council approved a second amendment to the incentive agreement with Cullinan for the redevelopment of the East Court Village properties. The effects of that second amendment are detailed in the attached agenda item description from that meeting, but highlights include (1) providing Cullinan with \$5 million in two tranches to be repaid at 5% interest over 17 years, (2) the City retaining 20% of the Municipal Retail and Home Rule sales tax revenue compared to 0% in the prior agreement, (3) the City continuing to retain 30% of property Tax increment in the TIF fund, and (4) instituting certain performance milestones Cullinan was to reach in order to be entitled to the incentives. The first milestone was that Cullinan was to obtain three executed leases of at least 5,000 square feet each by the end of 2023. Cullinan has only been able to obtain one fully executed lease, failing to meet the requirement and rendering the second amendment null and void. Cullinan continues progress on the additional leases and intends to meet the additional performance milestones of permitting by July 2024 and 20% project completion by February 2025, so they are before the Council now to request an extension to the timeframe on submitting three executed leases until February 29, 2024.

The Council's options are as follows:

1. Approve a third amendment to the agreement extending the timeframe for the requirement of 3 executed leases until February 29, 2023, and keep all the incentives as agreed to in the second amendment. The timeframes for the subsequent milestones would also be unchanged.
2. Do not approve the third amendment causing reversion back to the first amendment to the agreement where there are no performance milestones for Cullinan, the City is not obligated to loan Cullinan \$5 million, and the City is no longer entitled to 20% of the Municipal Retail and Home Rule sales tax revenue.

In comparing the incentives of the first amendment to the second amendment, staff believes the terms of the second amendment are more favorable to the City in the long run, so staff recommends approval of the third amendment to the agreement.

FINANCIAL IMPACT:

Requested Amount: \$2.5 million in FY24 and \$2.5 million in FY25.
 Line Item: 277-277-584009, Business Development District Fund
 Budgeted Amount: \$10,846,857 in FY24

Remaining Funds: \$6,386,901

Notes: This request reflects no change to the previously approved 2nd Amendment to the Agreement. The FY25 budget will need to include dollars for the second tranche.

REVIEWED BY:

Katherine Swise, City Attorney
Robert Grogan, Finance Consultant
John Dossey, City Manager
Sue McMillan, City Clerk

Approved - 1/17/2024
Approved - 1/18/2024
Approved - 1/18/2024
Final Approval - 1/19/2024

CITY OF PEKIN, ILLINOIS

ORDINANCE NO. _____

**PEKIN COURT STREET
TAX INCREMENT FINANCING DISTRICT
AND
PEKIN BUSINESS DEVELOPMENT DISTRICT NO. 1**

**AN ORDINANCE APPROVING AND AUTHORIZING
THE EXECUTION OF A THIRD AMENDMENT TO THE
TAX INCREMENT FINANCING
(TIF) DISTRICT AND BUSINESS DEVELOPMENT DISTRICT
REDEVELOPMENT AGREEMENT**

by and between

THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS

and

EAST COURT VILLAGE, LLC

and

EAST COURT VILLAGE II, LLC

**ADOPTED BY THE MAYOR AND CITY COUNCIL
OF THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS
ON THE 22ND DAY OF JANUARY, 2024.**

CITY OF PEKIN, ILLINOIS: ORDINANCE NO. _____

PEKIN COURT STREET TIF DISTRICT AND
PEKIN BUSINESS DEVELOPMENT DISTRICT NO. 1

AN ORDINANCE APPROVING AND AUTHORIZING
THE EXECUTION OF A THIRD AMENDMENT TO THE TAX INCREMENT
FINANCING (TIF) DISTRICT AND BUSINESS DEVELOPMENT DISTRICT
REDEVELOPMENT AGREEMENT

by and between

THE CITY OF PEKIN
and
EAST COURT VILLAGE, LLC AND EAST COURT VILLAGE II, LLC

The Mayor and City Council of the City of Pekin, Tazewell County, Illinois, an Illinois home rule municipality (the “City”), have determined that this Third Amendment to the Redevelopment Agreement is in the best interest of the citizens of the City of Pekin.

THEREFORE, be it ordained by the Mayor and City Council of Pekin, Illinois, in the County of Tazewell, as follows:

1. The Third Amendment to the TIF and Business Development District Redevelopment Agreement with East Court Village, LLC and East Court Village II, LLC (collectively, the “Developer”) attached hereto as ***Exhibit A*** is hereby approved.
2. The Mayor is hereby authorized and directed to enter into and execute on behalf of the City said Third Amendment to the Redevelopment Agreement and the City Clerk of the City of Pekin is hereby authorized and directed to attest such execution.
3. The Third Amendment to the Redevelopment Agreement shall be effective the date of its approval on the 22nd day of January, 2024.
4. This Ordinance shall be in full force and effect from and after its passage and approval as required by law.

[the remainder of this page is intentionally blank]

PASSED APPROVED AND ADOPTED by the Mayor and City Council of the City of Pekin this 22nd day of January, 2024.

MAYOR AND CITY COUNCIL	AYE VOTE	NAY VOTE	ABSTAIN	ABSENT
John Abel				
Becky Cloyd				
Dave Nutter				
Lloyd Orrick				
Rick Hilst				
Chris (Fred) Onken				
Mary Burress, Mayor				
TOTALS				

APPROVED: _____, Date ____/ ____ / 2024
Mayor, City of Pekin

ATTEST: _____, Date: ____/ ____ / 2024
City Clerk, City of Pekin

Attachment: **EXHIBIT A.** Third Amendment to the Redevelopment Agreement by and between the City of Pekin and East Court Village, LLC and East Court Village II, LLC.

EXHIBIT A

**PEKIN COURT STREET TIF DISTRICT
AND
PEKIN BUSINESS DEVELOPMENT DISTRICT NO. 1
THIRD AMENDMENT TO THE TAX INCREMENT FINANCING
(TIF) DISTRICT AND BUSINESS DEVELOPMENT DISTRICT REDEVELOPMENT
AGREEMENT**

by and between

THE CITY OF PEKIN

and

EAST COURT VILLAGE, LLC

and

EAST COURT VILLAGE II, LLC

**PEKIN, ILLINOIS
COURT STREET TAX INCREMENT FINANCING
DISTRICT & BUSINESS DEVELOPMENT
DISTRICT**

**THIRD AMENDMENT TO THE
REDEVELOPMENT
AGREEMENT**

by and between

CITY OF PEKIN, ILLINOIS

and

EAST COURT VILLAGE, LLC

and

EAST COURT VILLAGE II, LLC

JANUARY 22, 2024

PEKIN, ILLINOIS
THIRD AMENDMENT TO THE COURT STREET TAX INCREMENT FINANCING
DISTRICT
& BUSINESS DEVELOPMENT DISTRICT REDEVELOPMENT AGREEMENT
by and between
CITY OF PEKIN, ILLINOIS
and
EAST COURT VILLAGE, LLC
and
EAST COURT VILLAGE II, LLC

THIS THIRD AMENDMENT TO THE REDEVELOPMENT AGREEMENT, including Exhibits (the “Agreement”), is entered into this 22nd day of January, 2024, by the City of Pekin (the “City”), an Illinois Home Rule Municipal Corporation, Tazewell County, Illinois; and East Court Village, LLC, an Illinois Limited Liability Company (“ECV”) and East Court Village II, LLC, an Illinois Limited Liability Company (“ECVII”) (collectively, ECV and ECVII are hereinafter referred to as the “Developer”).

PREAMBLE

WHEREAS, the City has the authority to promote the health, safety, and welfare of the City and its citizens and to prevent the spread of blight and deterioration and inadequate public facilities by promoting the development of private property thereby increasing the tax base of the City and providing employment for its citizens; and

WHEREAS, pursuant to the Tax Increment Allocation Redevelopment Act, 65 ILCS 5/11-74.4.4 et seq., as amended (the “TIF Act”), the City has the authority to provide incentives to owners or prospective owners of real property to develop, redevelop, maintain and rehabilitate such property by reimbursing the owners for certain costs from resulting increases in real estate tax revenues; and

WHEREAS, recognizing the need to foster the development, expansion and revitalization of certain properties which are vacant, underutilized or undeveloped, the City plans to adopt Tax Increment Financing under the TIF Act, approve a proposed Redevelopment Plan (the “Plan”) and designate a proposed Redevelopment Area known as the **Pekin Court Street Tax Increment Financing District** (the “TIF District”); and

WHEREAS, pursuant to 65 ILCS 5/8-1-2.5, a municipality may appropriate and expend funds for economic development purposes, including without limitation for commercial enterprises that are deemed necessary or desirable for the promotion of economic development within the municipality; and

WHEREAS, pursuant to 65 ILCS 5/8-11-20, the City has the authority to offer sales tax incentives through an Economic Incentive Agreement to encourage the development or redevelopment of underutilized or undeveloped land within the City limits; and

WHEREAS, pursuant to the Business District Development and Redevelopment Act (65 ILCS 5/11-74.3-1 *et seq.*) (hereinafter referred to as the “BDD Act”), the City has the authority to establish a Business Development District wherein it may impose a tax, the revenues from which, may be used to pay certain Business District Project Costs including but not limited to financing costs; and

WHEREAS, the City has adopted a Business Development District pursuant to the BDD Act known as the Pekin Business Development District No. 1 (the “BDD”); and

WHEREAS, on December 14, 2020, the City and the Developer entered into a Redevelopment Agreement (the “Original Agreement”), wherein the City agreed to extend incentives to provide reimbursement of certain TIF Eligible Project Costs and BDD eligible costs for the Developer’s Project on real property generally located near the intersection of Court Street and Veterans Drive, Pekin, Illinois (PIN #'s 11-11-07-307-025 and 11-11-07-311-001 (formerly part of 11-11-07-307-023), 11-11-07-307-008, and 11-11-07-308-012); and

WHEREAS, the City and the Developer entered into a First Amendment to the Original Agreement on September 27, 2021 (the “First Amendment”); and

WHEREAS, the City and the Developer entered into a Second Amendment to the Original Agreement on August 28, 2023 (the “Second Amendment”); and

WHEREAS, the Parties hereby agree to amend the Original Agreement as previously amended by the First Amendment and Second Amendment as set forth below.

THIRD AMENDMENT

A. AMENDED “C. INCENTIVES”

Section C(7) of the Original Agreement is hereby amended by replacing it, in its entirety, with the following:

7. NEW DEVELOPMENT LOAN (LOAN #3)

In order to further incentivize the Project, the City shall provide the Developer an additional loan of up to Two Million Five Hundred Thousand Dollars and No Cents (\$2,500,000.00). The terms for Loan #3 shall be as follows:

- a. The City shall disburse the Loan #3 proceeds to a title company (the “Title Company”) mutually agreeable to both Parties in the amount of \$2,500,000.00 upon the Developer providing a minimum of three (3) executed leases of commercial retail tenants for Option Projects, each consisting of a minimum of 5,000 square feet of retail space. However, in no event shall the City be obligated to provide the proceeds of said Loan #3 less than sixty (60) days from the date of execution of this Third Amendment. The Loan #3 proceeds shall be placed into an escrow account (the “Escrow Account”) with said Title Company and disbursement of the Loan #3 proceeds from said account to the Developer shall be conditioned on the following:

- i. The Developer providing proof of casualty insurance coverage on the Bergners Property of an amount not less than \$2,500,000.00 naming the City as an additional insured in the event of damage done to the Bergners Property.
 - ii. The Developer providing to the Title Company and the City documentation of eligible costs it has incurred in furtherance of the Project. The Title Company shall review such documentation prior to releasing any of the Loan #3 fund. The City shall further have the right to review such costs. In the event the City does not object to such costs within two (2) business days upon being provided such documentation, the City shall be deemed to have waived its rights to object to such costs. The application of BDD Sales Tax Revenues and Real Estate Tax Increment to the payment of Loan #3 shall still be subject to verification of BDD Eligible Project Costs and TIF Eligible Project Costs set forth in Section F of the Original Agreement. Nothing contained in this paragraph shall in any way modify the provisions set forth in Section F.
- b. The term for Loan #3 shall be for a period of seventeen (17) years and shall commence the date the loan proceeds are disbursed to the Developer.
- c. The interest rate for Loan #3 shall be five percent (5%) per annum and interest shall begin to accrue the date the Loan #3 proceeds are disbursed to the Developer.
- d. Loan #3 shall be amortized over 20 years commencing the date the Loan #3 funds are disbursed to the Developer. The payments of principal and interest due on Loan #3 shall be made on an annual basis with the first such payment being made on or before March 31, 2026 and continuing on or before March 31 of each year thereafter through and including the final payment due on or before March 31, 2045. The amortization schedule for Loan #3 is attached hereto as ***Exhibit "6"***.
- e. The provision of Loan #3 shall be contingent, in its entirety, on the City receiving the corporate guarantee of the payment of said Loan #3 from Cullinan Companies L.L.C., an Illinois limited liability company. Such guarantee shall be in the form of the guarantee attached hereto as ***Exhibit "7"***.
- f. In the event the Developer is in default of Loan #3, the Developer shall pay the reasonable attorney fees and court costs of the City in the collection of said loan and any resulting litigation resulting therefrom.
- g. There shall be no prepayment penalty in the event the Developer elects to pay any amount in addition to what is set forth in the amortization schedule set forth in ***Exhibit "6"***.

Section C(8) of the Original Agreement is hereby amended by replacing it, in its entirety, with the following:

8. NEW DEVELOPMENT LOAN (LOAN #4)

In order to further incentivize the Project, the City shall provide the Developer an additional loan of up to Two Million Five Hundred Thousand Dollars and No Cents (\$2,500,000.00). The terms for Loan #4 shall be as follows:

- a. The City shall disburse the Loan #4 proceeds to the Escrow Account in the amount of \$2,500,000.00 within thirty (30) days upon the Developer providing documentation evidencing that it has incurred and paid a minimum of twenty percent (20%) of the total project costs (excluding any mobilization costs) set forth in the building permit application submitted by the Developer to the City for the development of the three businesses for which the Developer provided the leases pursuant to Section C(7)(a) above, but in no event shall the proceeds for Loan #4 be disbursed by the City to the Escrow Account earlier than July 31, 2024. The proceeds of Loan #4 placed into the Escrow Account shall be disbursed by the Title Company to the Developer conditioned on the following:
 - i. The Developer shall provide proof of casualty insurance coverage on the Bergners Property of an amount not less than an additional \$2,500,000.00 naming the City as an additional insured in the event of damage done to the Bergners Property.
 - ii. The Developer providing to the Title Company and the City documentation of eligible costs it has incurred in furtherance of the Project. The Title Company shall review such documentation prior to releasing any of the Loan #4 fund. The City shall further have the right to review such costs. In the event the City does not object to such costs within two (2) business days upon being provided such documentation, the City shall be deemed to have waived its rights to object to such costs. The application of BDD Sales Tax Revenues and Real Estate Tax Increment to the payment of Loan #4 shall still be subject to verification of BDD Eligible Project Costs and TIF Eligible Project Costs set forth in Section F of the Original Agreement. Nothing contained in this paragraph shall in any way modify the provisions set forth in Section F.
- b. The term for Loan #4 shall be for a period of seventeen (17) years and shall commence the date the loan proceeds are disbursed to the Developer.
- c. The interest rate for Loan #4 shall be five percent (5%) per annum and interest shall begin to accrue the date the Loan #4 proceeds are disbursed to the Developer.

- d. Loan #4 shall be amortized over 20 years commencing the date the Loan #4 funds are disbursed to the Developer. The payments of principal and interest due on Loan #4 shall be made on an annual basis with the first such payment being made on or before March 31, 2026 and continuing on or before March 31 of each year thereafter through and including the final payment due on or before March 31, 2045. The amortization schedule for Loan #4 is attached hereto as ***Exhibit “8”***.
- e. The provision of Loan #4 shall be contingent, in its entirety, on the City receiving the corporate guarantee of the payment of said Loan #4 from Cullinan Companies L.L.C., an Illinois limited liability company. Such guarantee shall be in the form of the guarantee attached hereto as ***Exhibit “9”***.
- f. In the event the Developer is in default of Loan #4, the Developer shall pay the reasonable attorney fees and court costs of the City in the collection of said loan and any resulting litigation resulting therefrom.
- g. There shall be no prepayment penalty in the event the Developer elects to pay any amount in addition to what is set forth in the amortization schedule set forth in ***Exhibit “8”***.

Section C(10)(a) of the Original Amendment shall be amended by replacing it, in its entirety, with the following:

- a. Developer shall provide a minimum of three (3) executed leases of commercial retail tenants for Option Projects, each consisting of a minimum of 5,000 square feet of retail space, as referenced in *Section C(7)(a)*, on or before February 29, 2024. If Developer fails to provide the executed leases referenced in this *Section*, then the Second Amendment and the Third Amendment shall both be null and void and the agreement between the City and Developer shall revert to the Original Agreement as amended by the First Amendment.

B. PRIOR AGREEMENT TERMS APPLY

All terms and conditions of the Original Agreement, First Amendment, Second Amendment, and any Exhibits thereto, shall apply to this Third Amendment and remain effective unless specifically modified by this Third Amendment to the Original Agreement.

IN WITNESS WHEREOF, the parties hereto have caused this Third Amendment to the Original Agreement to be executed by their duly authorized officers on the above date at Pekin, Illinois.

CITY OF PEKIN,
an Illinois Municipal Corporation

BY:

Mayor, City of Pekin

ATTEST:

City Clerk, City of Pekin

EAST COURT VILLAGE, LLC,
an Illinois Limited Liability Company

BY:

Manager

PRINTED NAME

AND

EAST COURT VILLAGE II, LLC
an Illinois Limited Liability Company

BY:

Manager

PRINTED NAME

EXHIBIT 6

AMORTIZATION SCHEDULE FOR NEW DEVELOPMENT LOAN #3

Amortization Schedule for New Development Loan #3

Loan Amount \$ 2,500,000.00
Annual Int Rate 5%
Loan Period 17 Years
Loan Start Date¹ 12/1/2023
Compound Annually

	Payment Date ²	Beginning Balance	Pmt. Amount	Principal	Interest	Ending Balance
1	12/1/2024	\$2,500,000.00	\$0.00	\$0.00	\$125,000.00	\$2,625,000.00
2	12/1/2025	\$2,625,000.00	\$217,205.65	\$85,955.65	\$131,250.00	\$2,539,044.35
3	12/1/2026	\$2,539,044.35	\$217,205.65	\$90,253.43	\$126,952.22	\$2,448,790.91
4	12/1/2027	\$2,448,790.91	\$217,205.65	\$94,766.11	\$122,439.55	\$2,354,024.81
5	12/1/2028	\$2,354,024.81	\$217,205.65	\$99,504.41	\$117,701.24	\$2,254,520.39
6	12/1/2029	\$2,254,520.39	\$217,205.65	\$104,479.63	\$112,726.02	\$2,150,040.76
7	12/1/2030	\$2,150,040.76	\$217,205.65	\$109,703.61	\$107,502.04	\$2,040,337.15
8	12/1/2031	\$2,040,337.15	\$217,205.65	\$115,188.79	\$102,016.86	\$1,925,148.35
9	12/1/2032	\$1,925,148.35	\$217,205.65	\$120,948.23	\$96,257.42	\$1,804,200.12
10	12/1/2033	\$1,804,200.12	\$217,205.65	\$126,995.65	\$90,210.01	\$1,677,204.47
11	12/1/2034	\$1,677,204.47	\$217,205.65	\$133,345.43	\$83,860.22	\$1,543,859.04
12	12/1/2035	\$1,543,859.04	\$217,205.65	\$140,012.70	\$77,192.95	\$1,403,846.34
13	12/1/2036	\$1,403,846.34	\$217,205.65	\$147,013.34	\$70,192.32	\$1,256,833.01
14	12/1/2037	\$1,256,833.01	\$217,205.65	\$154,364.00	\$62,841.65	\$1,102,469.01
15	12/1/2038	\$1,102,469.01	\$217,205.65	\$162,082.20	\$55,123.45	\$940,386.80
16	12/1/2039	\$940,386.80	\$217,205.65	\$170,186.31	\$47,019.34	\$770,200.49
17	12/1/2040	\$770,200.49	\$808,710.51	\$770,200.49	\$38,510.02	\$0.00

1 Loan Start Date estimated based on current Developer schedule. Actual Loan Start Date to be determined per Section C(7)b.

2 Per terms of Development Agreement, Loan payments will be calculated and billed annually based on the first disbursement date. Annual Loan payments will become due and payable by Developer once all sales tax rebates for the applicable calendar year are calculated and available for disbursement.

EXHIBIT 7

**CORPORATE GUARANTEE OF CULLINAN COMPANIES L.L.C. FOR
LOAN #3**

LOAN CORPORATE GUARANTEE AGREEMENT

This AGREEMENT is made and entered into this ____ day of _____, 20____, by and between the City of Pekin, Tazewell County, Illinois (hereinafter referred to as "Lender") and Cullinan Companies L.L.C., an Illinois limited liability company (hereinafter referred to as "Guarantor").

RECITALS

Pursuant to the Second Amendment to the Redevelopment Agreement between Lender and East Court Village, LLC (hereinafter referred to as "ECV") and East Court Village II, LLC (hereinafter referred to as ECV II) dated August ____, 2023, Lender loaned to ECV and ECV II Two Million, Five Hundred Thousand Dollars and No Cents (\$2,500,000.00) pursuant to a promissory note dated _____, 20____ (hereinafter referred to as "Loan #3").

Pursuant to the Second Amendment to the Redevelopment Agreement between Lender and ECV and ECV II dated August ____, 2023, Loan #3 is contingent upon Guarantor providing a corporate guarantee of the payment of Loan #3.

THEREFORE, it is agreed that:

1. The Guarantor unconditionally guarantees to the Lender the payment of Loan #3 and shall be jointly and severally liable for the payment thereof.
2. The Guarantor absolutely and unconditionally guarantees prompt payment on said Loan #3 and agrees to pay all costs, legal expenses, and attorneys' fees incurred or paid by the Lender in collection and enforcement of Loan #3.
3. This Guarantee shall be governed by the laws of the State of Illinois.

Executed at Pekin, Illinois, on the day and year above written.

City of Pekin:

Guarantor:

Mary Burress, Mayor, City of Pekin

_____, Manager

Attest:

Sue McMillan, Clerk, City of Pekin

EXHIBIT 8
AMORTIZATION SCHEDULE FOR NEW DEVELOPMENT LOAN #4

Amortization Schedule for New Development Loan #4

Loan Amount \$ 2,500,000.00
Annual Int Rate 5%
Loan Period 17 Years
Loan Start Date¹ 6/1/2024
Compound Annually

	Payment Date ²	Beginning Balance	Pmt. Amount	Principal	Interest	Ending Balance
1	6/1/2025	\$2,500,000.00	\$0.00	\$0.00	\$125,000.00	\$2,625,000.00
2	6/1/2026	\$2,625,000.00	\$217,205.65	\$85,955.65	\$131,250.00	\$2,539,044.35
3	6/1/2027	\$2,539,044.35	\$217,205.65	\$90,253.43	\$126,952.22	\$2,448,790.91
4	6/1/2028	\$2,448,790.91	\$217,205.65	\$94,766.11	\$122,439.55	\$2,354,024.81
5	6/1/2029	\$2,354,024.81	\$217,205.65	\$99,504.41	\$117,701.24	\$2,254,520.39
6	6/1/2030	\$2,254,520.39	\$217,205.65	\$104,479.63	\$112,726.02	\$2,150,040.76
7	6/1/2031	\$2,150,040.76	\$217,205.65	\$109,703.61	\$107,502.04	\$2,040,337.15
8	6/1/2032	\$2,040,337.15	\$217,205.65	\$115,188.79	\$102,016.86	\$1,925,148.35
9	6/1/2033	\$1,925,148.35	\$217,205.65	\$120,948.23	\$96,257.42	\$1,804,200.12
10	6/1/2034	\$1,804,200.12	\$217,205.65	\$126,995.65	\$90,210.01	\$1,677,204.47
11	6/1/2035	\$1,677,204.47	\$217,205.65	\$133,345.43	\$83,860.22	\$1,543,859.04
12	6/1/2036	\$1,543,859.04	\$217,205.65	\$140,012.70	\$77,192.95	\$1,403,846.34
13	6/1/2037	\$1,403,846.34	\$217,205.65	\$147,013.34	\$70,192.32	\$1,256,833.01
14	6/1/2038	\$1,256,833.01	\$217,205.65	\$154,364.00	\$62,841.65	\$1,102,469.01
15	6/1/2039	\$1,102,469.01	\$217,205.65	\$162,082.20	\$55,123.45	\$940,386.80
16	6/1/2040	\$940,386.80	\$217,205.65	\$170,186.31	\$47,019.34	\$770,200.49
17	6/1/2041	\$770,200.49	\$808,710.51	\$770,200.49	\$38,510.02	\$0.00

1 Loan Start Date estimated based on current Developer schedule. Actual Loan Start Date to be determined per Section C(8)b.

2 Per terms of Development Agreement, Loan payments will be calculated and billed annually based on the first disbursement date. Annual Loan payments will become due and payable by Developer once all sales tax rebates for the applicable calendar year are calculated and available for disbursement.

EXHIBIT 9
CORPORATE GUARANTEE OF CULLINAN COMPANIES L.L.C. FOR
LOAN #4

LOAN CORPORATE GUARANTEE AGREEMENT

This AGREEMENT is made and entered into this ____ day of _____, 20____, by and between the City of Pekin, Tazewell County, Illinois (hereinafter referred to as "Lender") and Cullinan Companies L.L.C., an Illinois limited liability company (hereinafter referred to as "Guarantor").

RECITALS

Pursuant to the Second Amendment to the Redevelopment Agreement between Lender and East Court Village, LLC (hereinafter referred to as "ECV") and East Court Village II, LLC (hereinafter referred to as ECV II) dated August ____, 2023, Lender loaned to ECV and ECV II Two Million, Five Hundred Thousand Dollars and No Cents (\$2,500,000.00) pursuant to a promissory note dated _____, 20____ (hereinafter referred to as "Loan #4").

Pursuant to the Second Amendment to the Redevelopment Agreement between Lender and ECV and ECV II dated August ____, 2023, Loan #4 is contingent upon Guarantor providing a corporate guarantee of the payment of Loan #4.

THEREFORE, it is agreed that:

1. The Guarantor unconditionally guarantees to the Lender the payment of Loan #4 and shall be jointly and severally liable for the payment thereof.
2. The Guarantor absolutely and unconditionally guarantees prompt payment on said Loan #4 and agrees to pay all costs, legal expenses, and attorneys' fees incurred or paid by the Lender in collection and enforcement of Loan #4.
3. This Guarantee shall be governed by the laws of the State of Illinois.

Executed at Pekin, Illinois, on the day and year above written.

City of Pekin:

Guarantor:

Mary Burress, Mayor, City of Pekin

_____, Manager

Attest:

Sue McMillan, Clerk, City of Pekin

**REQUEST FOR COUNCIL ACTION**

Agenda Date: January 22, 2024
To: Members of the City Council
From: Joshua Wray, Economic Development Director

AGENDA ITEM: Ordinance No. 4147-23/24 Amending the City Code, Chapter 2 Governance and Organizational Structure, Article 6 Board, Commissions and Committees, creating the Economic Development Advisory Committee

DESCRIPTION: At its December meeting, the Economic Development Advisory Committee requested that staff review the existing committee charter and bring back suggested updates. Staff reviewed the charter last updated in 2011 and provided suggested changes that maintain the scope and purpose of the Committee but makes significant changes to the language to add more specificity and to be more consistent with other boards/committees in the City. The Committee formally recommended the attached update to their regulations at its January meeting.

One notable change is moving the selection of the chair from election by the Committee members to appointment by the mayor. While election is not unheard of for a committee like this, it is not the norm, and it has drawbacks that include potentially bringing contention to the membership as committee members vie for the position. It is also administratively awkward to select a chair for longer than a 1-year term when the members have staggered terms where as a mayoral appointment can ensure the consistency the Committee is looking for. Other notable changes include modification to the Committee's mission and goals for economic development, clarification of the Committee's duties and responsibilities, and reduction of the Committee's size from 13 to 7 voting members that would be implemented after the existing members have been able to serve out their current terms through May 2026.

Staff recommends approving the attached ordinance adding the Economic Development Advisory Committee to the City Code.

FINANCIAL IMPACT:

Requested Amount:
 Line Item:
 Budgeted Amount:
 Remaining Funds:
 Notes:

REVIEWED BY:

Katherine Swise, City Attorney
 John Dossey, City Manager
 Sue McMillan, City Clerk

Approved - 1/16/2024
 Approved - 1/17/2024
 Final Approval - 1/19/2024

Ordinance No. 4147-23/24 Amending the City Code, Chapter 2 Governance and Organizational Structure, Article 6 Board, Commissions and Committees, creating the Economic Development Advisory Committee

WHEREAS, the Pekin Economic Development Advisory Committee ("EDAC") was created as an *ad hoc* committee by the City Council in 2011; and

WHEREAS, the City Council desires to amend the City Code to make the EDAC a permanent committee of the City of Pekin.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS, THAT:

Section 1. The foregoing findings and recitals are found to be true and correct and are incorporated herein.

Section 2. Chapter 2, Article 6 of the Pekin City Code is hereby amended for the creation of a new Division 19 - Economic Development Advisory Committee, as set forth in **Exhibit A** attached hereto.

Section 3. Following the passage of this Ordinance, the Economic Development Advisory Committee shall be composed of 7 members, appointed as set forth in **Exhibit A**; provided, however, that the 13 members serving on the EDAC as of the date of this Ordinance shall continue to serve on the EDAC until the end of their current terms, and may be reappointed for an additional term not to extend beyond the first Monday of May 2026; and provided further that, on and after the first Monday of May, 2026, no member shall be appointed or re-appointed if such appointment or re-appointment will result in there being more than 7 members.

Section 4. Except as set forth in Section 3 above, this Ordinance shall be in full force and effect from and after its passage and approval in the manner provided by law.

RESULT:	(0 TO 0)
MOVER:	None
SECONDER:	None
AYES:	None
NAYS:	None
ABSTAIN:	None

ADOPTED AND APPROVED at a Regular meeting of the City Council of the City of Pekin this ____ day of _____, 20____.

Mayor

ATTEST:

City Clerk

Exhibit A

Add the following new division to Chapter 2, Article 6, Boards, Commission and Committees.

DIVISION 19. – ECONOMIC DEVELOPMENT ADVISORY COMMITTEE

Sec. 2-6-19-1. – Creation.

There is hereby created a Committee which shall be known as the City of Pekin Economic Development Advisory Committee.

Sec. 2-6-19-2. – Mission and Goals.

The Economic Development Advisory Committee is established to advise the City on economic issues and recommends programs and actions that enhance the local economy in pursuit of a balanced and growing tax base and a high quality of life for the community. To that end, the following broad goals are established:

- a) Encourage a wide range of local options for housing, employment, goods, services, and leisure;
- b) Support sustainable and well-planned growth;
- c) Provide efficient and effective government services.

Sec. 2-6-19-3. – Membership; terms.

- a) *Number and Appointment.* The Committee shall consist of seven (7) members appointed by the Mayor with concurrence from the Council.
- b) Members shall consist of a broad spectrum of leaders from the community. At least three (3) of the following sectors shall be separately represented by members appointed based on their experience and qualifications:
 - 1) Corporate or operations management
 - 2) Healthcare, wellness, or senior care
 - 3) Real estate brokerage or development
 - 4) Banking or lending
 - 5) Architecture, construction, or skilled trades
 - 6) Education
 - 7) Utilities or telecommunications
 - 8) Not-for-profits
 - 9) Business advocacy
- c) Members must reside within one and one-half (1.5) miles of the City's corporate boundary or must work or own a business located within the City's corporate boundary.
- d) *Term of Office.*
 - 1) The term of office for a voting member shall be three (3) years beginning on May 1 and ending on April 30.
 - 2) Terms shall be staggered such that two (2) members' terms end each year except for each third year where three (3) members' terms end.
- e) Ex-officio members shall be the Mayor and the chief executive officer of the Greater Peoria Economic Development Council.

- f) The Director of Economic Development will serve the Committee as the primary staff resource.

Sec. 2-6-19-4. – Officers; meetings.

- a) *Chairperson.* The Mayor shall appoint a voting member as chairperson, with the consent of the City Council, for a term concurrent with that member's term of regular membership. The Chairperson shall preside over the Committee's meetings.
- b) *Vice Chairperson.* The Chairperson shall appoint one of the voting members as vice chairperson to serve as chairperson in his/her absence.
- c) *Secretary.* The Director of Economic Development, or designee, shall serve as secretary and shall be responsible for the preparation of the Committee's meeting agendas and the accurate recording of meeting minutes.
- d) *Meetings.*
 - 1) Regular meetings shall be held monthly at such time and place as determined by the Committee through annual adoption of its regular meeting schedule.
 - 2) Special meetings may be called by the Chair or by any three (3) voting members.
 - 3) If both the Chair and Vice Chair are absent from a meeting where a quorum is present, an interim chair may be selected by the Committee to preside over that meeting.

Sec. 2-6-19-5. – Duties and Responsibilities.

The Committee shall have the following duties and responsibilities:

- a) Monitor and analyze the economic trends and health of Pekin and the area;
- b) Evaluate the City's economic development strategies;
- c) Identify possible barriers to business activity and development;
- d) Provide input during the formulation of the City's strategic and comprehensive plans and other planning activities brought to the Committee;
- e) Review and provide feedback on proposals for large-scale development projects such as business parks, retail corridors, residential subdivisions, and recreation areas;
- f) Review and provide feedback on proposals for the establishment of economic development tools and policies such as TIF districts, grant programs, and marketing campaigns;
- g) Cooperate with and assist business associations and other area economic organizations, to the extent that their goals and objectives are in furtherance of the goals and objectives of the City of Pekin;
- h) Assist staff in facilitating activities to accomplish these duties including spreading awareness of the economic development resources, seeking feedback from the community related to the City's economic development policies, and identifying and forwarding new business prospects to staff.
- i) Perform additional functions and activities related to the Committee as may be assigned by City Council or requested by staff.

Sec. 2-6-19-6. – Limitation on Powers.

- a) The Committee and its individual members shall not be authorized to expend funds or enter into agreements on behalf of the City with any party nor make any promises of such.
- b) Unless otherwise authorized by the City Council, the Committee and its individual members shall not engage in activities related to individual businesses or other entities on behalf of the City including, but not limited to, site selection, agreements, plan reviews, or licensing/permitting.

**REQUEST FOR COUNCIL ACTION**

Agenda Date: January 22, 2024
To: Members of the City Council
From: Joshua Wray, Economic Development Director

AGENDA ITEM: Ordinance No. 4148-23/24 Amending the City Code, Chapter 2 Governance and Organizational Structure, Article 6 Boards, Commissions and Committees, Modifying the Provisions Governing Boards, Commissions and Committees

DESCRIPTION: With the change to the City Code for the Economic Development Advisory Committee, we would like to take the opportunity to modify the language for the other boards, commissions, and committees to provide that all of them have a mayor-appointed chairperson (unless a specific office is designated by Code), making it as consistent as possible across all the City's public bodies. If approved, all chairs currently selected by the membership of a given public body will be appointed by the mayor for a term consistent with the term as a regular member of the public body. This is a procedural change and is not intended to change any of the existing people serving as chairs, so the ordinance also provides that all current chairs will continue to serve through the remainder of their terms.

The primary purposes of this change to a mayor-appointed chair are to avoid contention among the members and to provide more consistent leadership for each public body. While it is certainly not unheard of to utilize member-selected chairs, it is more common in Illinois to have mayor-appointed chairs. A post on the Illinois City/County Manager's Association discussion board resulted in only one community responding that they utilize membership-selected chairs (Wheaton utilizes 1-year terms for chairs). In the immediate vicinity of Pekin, staff found that the majority of municipalities use a mix of membership-selected, mayor-appointed, and code-designated chairs with North Pekin primarily utilizing mayor-appointed chairs.

The attached ordinance also provides that the Zoning Board of Appeals shall serve as the Groundwater Appeals Committee rather than a group of staff and two citizen members in an effort to increase government efficiency. The Groundwater Appeals Committee meets very rarely and does not currently have the two citizen members appointed.

Staff recommends approval of this ordinance.

FINANCIAL IMPACT:

Requested Amount:
 Line Item:
 Budgeted Amount:
 Remaining Funds:
 Notes:

REVIEWED BY:

Katherine Swise, City Attorney

Approved - 1/16/2024

John Dossey, City Manager
Sue McMillan, City Clerk

Approved - 1/17/2024
Final Approval - 1/19/2024

Ordinance No. 4148-23/24 Amending the City Code, Chapter 2 Governance and Organizational Structure, Article 6 Boards, Commissions and Committees, Modifying the Provisions Governing Boards, Commissions and Committees

WHEREAS, the City Council of the City of Pekin desires to amend the Pekin City Code to provide for the appointment of chairpersons of City boards, commissions, and committees; and

WHEREAS, the City Council further desires to increase efficiency of City procedures by appointing the Zoning Board of Appeals as the Groundwater Appeals Committee pursuant to Section 2-6-17-1 of the City Code.

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS, THAT:

Section 1. The foregoing findings and recitals are found to be true and correct and are incorporated herein.

Section 2. Chapter 2, Article 2 of the Pekin City Code is hereby amended as set forth in Exhibit A attached hereto (additions indicated by underline, deletions by ~~striketrough~~).

Section 3. The provisions of this Ordinance regarding appointment of chairpersons shall take effect as to each board, commission, or committee upon the expiration of the term of the chairperson selected and serving as of the date of passage of this Ordinance.

Section 4. Except as set forth in Section 3 above, this Ordinance shall take effect upon its passage and approval in the manner provided by law.

RESULT:	(0 TO 0)
MOVER:	None
SECONDER:	None
AYES:	None
NAYS:	None
ABSTAIN:	None

ADOPTED AND APPROVED at a Regular meeting of the City Council of the City of Pekin this ____ day of _____, 20____.

Mayor

ATTEST:

City Clerk

Exhibit A

DIVISION 4. – BOARD OF FIRE AND POLICE COMMISSIONERS

Sec. 2-6-4-1. – Membership; officers.

- a) The Board shall consist of three (3) members, whose terms of office shall be three (3) years and until their respective successors are appointed and have qualified in accordance with law.
- b) *Chairperson.* ~~The Board of Fire and Police Commissioners shall elect a Chairperson to serve during the City's fiscal year.~~ The Mayor shall appoint a voting member as chairperson, with the consent of the City Council, for a term concurrent with that member's term of regular membership.
- c) *Secretary.* ~~The Board of Fire and Police Commissioners~~ Chairperson may appoint a Secretary who need not be a member of the Board, subject to approval of the Council. The compensation of said Secretary shall be fixed by the Council. The Secretary shall be responsible for recording the minutes of meetings of the Board.

DIVISION 5. – LIBRARY BOARD

Sec. 2-6-5-1. – Membership; term of office.

There shall be a Board of Library Directors for the City as provided by law. The Board shall consist of nine Directors to be appointed by the City Council. The term of the Library Directors shall be three years, staggered so that three terms expire each year, as provided by law. ~~The Library Directors shall select a President and Secretary, as provided by statute, and shall meet at such times as the Library Board may determine.~~ The Mayor shall appoint a director as chairperson, with the consent of the City Council, for a term concurrent with that director's term of regular membership. The Chairperson shall appoint from the directors a Vice Chairperson and a Secretary. The Secretary shall be responsible for recording the minutes of meetings of the Board.

DIVISION 6. – PEKIN TOURISM COMMITTEE

Sec. 2-6-6-2. – Composition; terms; officers.

- c) ~~The Committee shall annually appoint a chairperson, vice chairperson, and a secretary.~~ The Mayor shall appoint a voting member as chairperson, with the consent of the City Council, for a term concurrent with that member's term of regular membership. The Chairperson shall appoint from the voting members a Vice Chairperson and a Secretary. The Secretary shall be responsible for recording the minutes of meetings of the Committee.

DIVISION 7. – HISTORIC PRESERVATION COMMISSION

Sec. 2-6-7-5. – Officers.

~~Officers shall consist of a Chairperson, Vice Chairperson and a Secretary elected by the Preservation Commission who shall serve a term of one year and shall be eligible for reelection, but no member shall serve as an officer for more than two consecutive years.~~
The Mayor shall appoint a voting member as chairperson, with the consent of the City Council, for a term concurrent with that member's term of regular membership. The Chairperson shall appoint from the voting members a Vice Chairperson and a Secretary. The
Chairperson shall preside over meetings. In the absence of the Chairperson, the Vice-Chairperson shall perform the duties of the Chairperson. If both are absent, a temporary Chairperson shall be elected by those present. The Secretary to the Preservation Commission shall have the following duties:

- 1) Take minutes of each Preservation Commission meeting;
- 2) Be responsible for publication and distribution of copies of the minutes, reports, and decisions of the Preservation Commission to the members of the Preservation Commission;
- 3) Give notice as required by this Code for all public hearings conducted by the Preservation Commission;
- 4) Advise the Mayor of vacancies on the Preservation Commission and expiring terms of members; and
- 5) Prepare and submit to the City Council a complete record of the proceedings before the Preservation Commission on any matter requiring Council approval.

DIVISION 8. – CITY TREE BOARD

Sec. 2-6-8-5. – ~~Operation~~ Officers; rules; quorum.

~~The Board shall choose its own officers.~~ The Mayor shall appoint a voting member as chairperson, with the consent of the City Council, for a term concurrent with that member's term of regular membership. The Chairperson shall appoint from the voting members a Vice Chairperson and a Secretary. The Secretary shall be responsible for recording the minutes of meetings of the Board. The Board shall make its own rules and regulations and keep a journal of its proceedings. A majority of the members shall be a quorum for the transaction of business.

DIVISION 9. – AIRPORT ADVISORY COMMISSION

Sec. 2-6-9-1. – Establishment; term.

The Airport shall be operated by the City of Pekin or its designees with recommendations from a body known and designated as the City of Pekin Airport Advisory Commission, which Commission shall consist of five persons appointed by the Mayor by and with the consent of the City Council. The terms of office shall be for three years and shall be staggered. ~~The Chairperson of said Commission shall be elected by the Commission for a two-year period.~~ The Mayor shall appoint a voting member as chairperson, with the consent of the City Council, for a term concurrent with that member's term of regular membership. The Chairperson shall appoint from the voting members a Vice Chairperson

and a Secretary. The Secretary shall be responsible for recording the minutes of meetings of the Commission.

DIVISION 10. – ZONING BOARD OF APPEALS

Sec. 2-6-10-1. – Board created; members; organization.

(a) *Board created; members.* There is hereby established a Board of Appeals for the City which shall consist of not fewer than seven and not more than 13 members. ~~A Chairperson and Vice-Chairperson shall be elected by a majority vote of the members. The Mayor shall~~ appoint a voting member as chairperson, with the consent of the City Council, for a term concurrent with that member's term of regular membership. The Chairperson shall appoint from the voting members a Vice Chairperson and a Secretary. The Secretary shall be responsible for recording the minutes of meetings of the Board.

DIVISION 12. – HUMAN RIGHTS COMMITTEE

Sec. 2-6-12-1. – Membership; appointment; vacancies.

(a) *Membership.* There shall be a Human Rights Committee, which shall consist of nine members. ~~One of said members shall be designated as Chairperson by a majority vote of the members of said Human Rights Committee. A Vice-Chairperson shall also be designated by a majority vote of the members of the Human Rights Committee. A Secretary shall also be designated by a majority vote of the members of the Human Rights Committee. The Mayor~~ shall appoint a voting member as chairperson, with the consent of the City Council, for a term concurrent with that member's term of regular membership. The Chairperson shall appoint from the voting members a Vice Chairperson and a Secretary. The Secretary shall be responsible for recording the minutes of meetings of the Committee.

DIVISION 13. - MAYOR'S ADVISORY COMMITTEE FOR PERSONS WITH DISABILITIES

Sec. 2-6-13-2. - Officers; meetings; quorum.

~~The Chairperson for the Committee shall be elected from and by the Committee members for a term of one calendar year. Other officers shall be created by a resolution duly adopted at any regular or special meeting. The Mayor shall appoint a voting member as chairperson, with the consent of the City Council, for a term concurrent with that member's term of regular membership. The Chairperson shall appoint from the voting members a Vice Chairperson and a Secretary. The Secretary shall be responsible for recording the minutes of meetings of the Committee. The Committee shall have the power to establish bylaws and rules in conformity with the authority granted herein or by statute, including the authority to elect or appoint such other officers and consultants as the Committee deems necessary. The Chairperson of the Committee or any other~~ Any officer appointed or elected by the Committee may be removed at any time by a majority of the Committee. The Committee shall establish a regularly scheduled meeting date at its initial organizational meeting. Thereafter, the meeting date may be changed by motion duly enacted at a regular meeting. A quorum shall consist of four members.

DIVISION 15. - TRAFFIC SAFETY COMMITTEE

Sec. 2-6-15-2. - Officers; meetings; quorum.

The City Manager, or other city employee member of the Committee as designated by the City Manager, shall serve as Chairperson. The Chairperson shall appoint from the voting members a Vice Chairperson and a Secretary. The Secretary shall be responsible for recording the minutes of meetings of the Board. ~~Other officers of this Committee shall be created by resolution adopted at any regular or special meeting of the Committee.~~ The Committee shall have the power to establish bylaws and rules in conformity with the authority granted herein or by statute. The Committee shall have a regularly scheduled meeting date, which may be changed by motion duly enacted at a regular meeting. A quorum shall consist of three persons.

DIVISION 17. - GROUNDWATER APPEALS COMMITTEE

Sec. 2-6-17-1. – Composition.

~~The Groundwater Appeals Committee shall consist of the Fire Chief, Public Works Director, Chief Building Official, and two citizen members appointed by the Mayor with the approval of the Council.~~ The Zoning Board of Appeals shall serve as the Groundwater Appeals Committee.

DIVISION 18. - BEAUTIFICATION COMMITTEE

Sec. 2-6-18-2. - Composition; terms; officers.

c) ~~The Committee shall annually appoint a chairperson, vice-chairperson, and a secretary.~~ The Mayor shall appoint a voting member as chairperson, with the consent of the City Council, for a term concurrent with that member's term of regular membership. The Chairperson shall appoint from the voting members a Vice Chairperson and a Secretary. The secretary shall be responsible for recording the minutes of meetings of the Committee.

**REQUEST FOR COUNCIL ACTION**

Agenda Date: January 22, 2024
To: Members of the City Council
From: Sue McMillan, City Clerk

AGENDA ITEM: Ordinance No. 4149-23/24 An Ordinance Annexing the Property known as Gamblewood Farms to the City of Pekin

DESCRIPTION: The City purchased Gamblewood Farms property for the purposes of acquiring right of way for the extension of Veterans Drive on October 26, 2021 Ordinance No. 3030-21/22. The City now desires to annex the territory to the City of Pekin. The City provided proper notice to the Central Groveland Fire Protection District as required by law. The territory is not within the corporate limits of any municipality and is contiguous with the present corporate limits of the City of Pekin, no electors reside in the territory, and there is no highways under the jurisdiction of any township. A hearing was held on January 17, 2024 at the Zoning Board of Appeals, which recommended the territory be classified as AG – Agricultural zoning classification. This classification most closely conforms with the zoning of the territory that existed prior to this annexation.

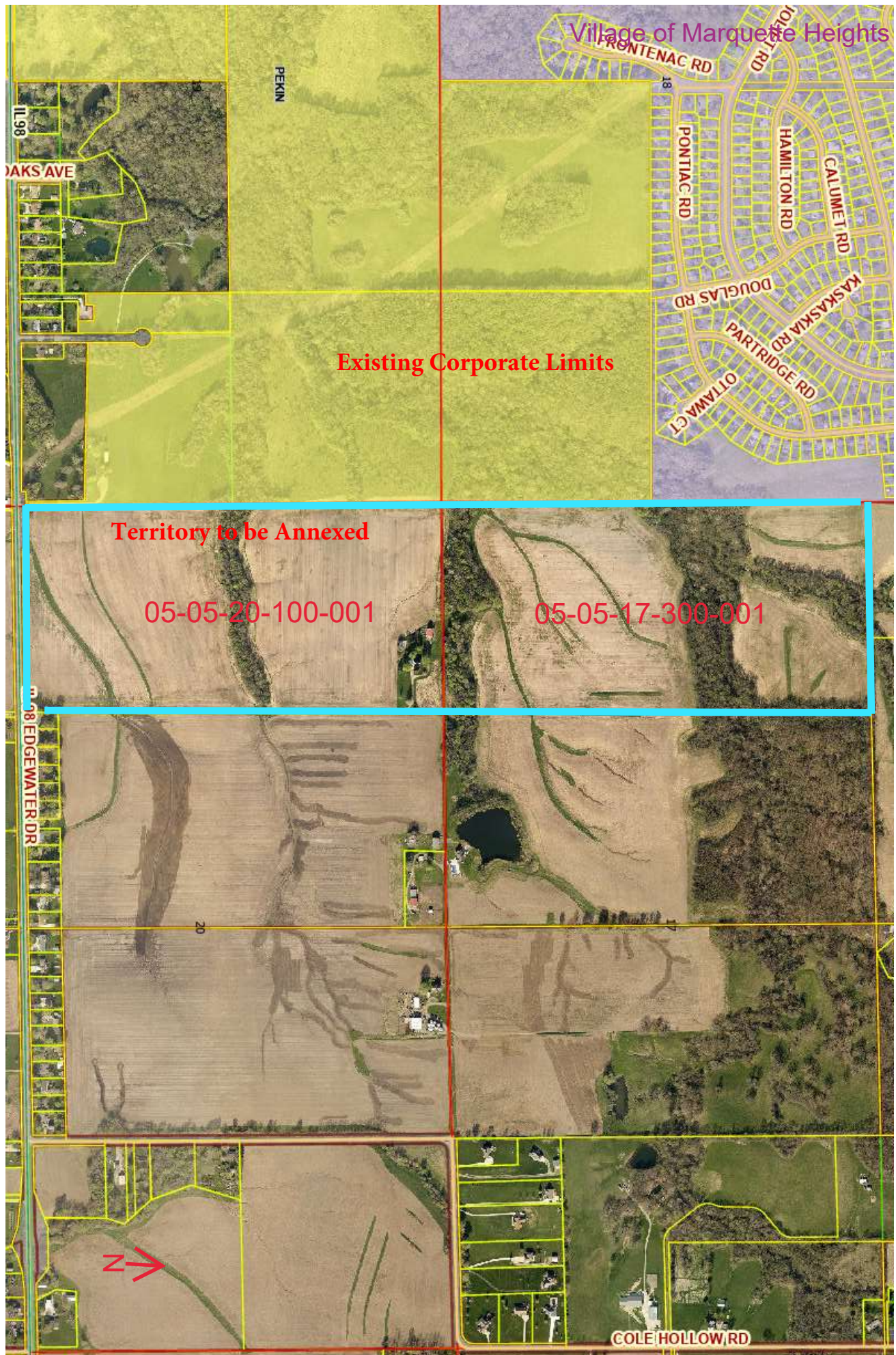
FINANCIAL IMPACT:

Requested Amount:
 Line Item:
 Budgeted Amount:
 Remaining Funds:
 Notes:

REVIEWED BY:

Katherine Swise, City Attorney
 John Dossey, City Manager
 Sue McMillan, City Clerk

Approved - 1/17/2024
 Approved - 1/18/2024
 Final Approval - 1/19/2024



**REQUEST FOR COUNCIL ACTION**

Agenda Date: January 22, 2024
To: Members of the City Council
From: Tony Rendleman, Deputy Fire Chief

AGENDA ITEM: Resolution No. 92-23/24 adopting the 2023 Tazewell County Multi-Jurisdictional Multi-Hazard Mitigation Plan

DESCRIPTION: On a five-year repeating cycle, Tazewell County and municipalities/other jurisdictions within the County work together to create the Multi-Jurisdictional Multi-Hazard Mitigation Plan. For the 2023 cycle, American Environmental was engaged by the Tri-County Regional Planning Commission to lead the development of the updated plan. This plan is an all-encompassing all-hazards plan which includes a county-wide risk assessment to evaluate the potential risks to the public in the county and the associated mitigation projects which may be undertaken to alleviate or reduce the associated risks. The development of this plan included stakeholders from several units of government in Tazewell County, as well as opportunities for the public to provide input and review the plan. After the development of the plan, the plan was submitted to FEMA and was granted approval pending adoption by the respective units of government. The plan does not mandate that any of the projects be taken on or be completed during any specific timeline, rather it is a recognition of the potential risks and means of mitigating said risks. Adoption of the plan is essential so that the City of Pekin would be eligible to apply for any Federal funding should the City of Pekin choose to move forward with any of the projects outlined in the plan.

FINANCIAL IMPACT:

Requested Amount: \$0
 Line Item:
 Budgeted Amount:
 Remaining Funds:
 Notes:

REVIEWED BY:

Trent Reeise, Fire Chief	Approved - 1/16/2024
Katherine Swise, City Attorney	Approved - 1/16/2024
John Dossey, City Manager	Approved - 1/16/2024
Sue McMillan, City Clerk	Final Approval - 1/19/2024

Resolution No. 92-23/24 adopting the 2023 Tazewell County Multi-Jurisdictional Multi-Hazard Mitigation Plan

WHEREAS, the City of Pekin recognizes the threat that natural and man-made hazards, including severe thunderstorms, severe winter storms, floods, and tornadoes among others, pose to people and property within City of Pekin; and

WHEREAS, the City of Pekin has prepared a multi-hazard mitigation plan, hereby known as the 2023 Tazewell County Multi-Jurisdictional Multi-Hazard Mitigation Plan in accordance with federal laws, including the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as amended; the National Flood Insurance Act of 1968, and the National Dam Safety Program Act, as amended; and

WHEREAS, the 2023 Tazewell County Multi-Jurisdictional Multi-Hazard Mitigation Plan identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the City of Pekin from the impacts of future hazards and disasters; and

WHEREAS, adoption by the City of Pekin demonstrates its commitment to hazard mitigation and achieving the goals outlined in the 2023 Tazewell County Multi-Jurisdictional Multi-Hazard Mitigation Plan.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS, THAT:

Section 1. The foregoing findings and recitals are found to be true and correct and are incorporated herein.

Section 2. The 2023 Tazewell County Multi-Jurisdictional Multi-Hazard Mitigation Plan, a copy of which is attached hereto as **Exhibit A**, is adopted and approved, and the City of Pekin agrees to participate in the annual maintenance and evaluation of said Plan.

RESULT:	(0 TO 0)
MOVER:	None
SECONDER:	None
AYES:	None
NAYS:	None
ABSTAIN:	None

ADOPTED AND APPROVED at a Regular meeting of the City Council of the City of Pekin this ____ day of _____, 20____.

Mayor

ATTEST:

City Clerk



Tazewell County Multi-Jurisdictional Multi-Hazard Mitigation Plan 2023 Update

Tazewell County, Illinois

Participants:

Tazewell County
Creve Coeur, Village of
East Peoria, City of
East Peoria Community High School District #309
East Peoria Drainage & Levee District
Morton, Village of
Pekin, City of
Pekin Park District
Tremont, Village of
Tri-County Regional Planning Commission
Washington, City of

November 2023

Cover photograph:

November 17, 2013 EF4 tornado destroyed homes in Washington – Photograph obtained from National Weather Service Weather Forecast Office in Lincoln

TAZEWELL COUNTY MULTI-JURISDICTIONAL MULTI-HAZARD MITIGATION PLAN

TAZEWELL COUNTY, ILLINOIS

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	PARTICIPATING JURISDICTIONS	2
1.2	COUNTY PROFILE	2
1.3	LAND USE AND DEVELOPMENT TRENDS	4
2.0	PLANNING PROCESS	15
2.1	MITIGATION ADVISORY COMMITTEE	16
2.2	OUTREACH STRATEGY	19
2.3	PARTICIPATION OPPORTUNITIES FOR INTERESTED PARTIES.....	22
2.4	IDENTIFICATION OF EXISTING CAPABILITIES	24
2.5	REVIEW & INCORPORATION OF EXISTING PLANS	25
3.0	RISK ASSESSMENT.....	40
3.1	SEVERE STORMS (THUNDERSTORMS, HAIL, LIGHTNING & HEAVY RAIN).....	53
3.2	FLOODS	70
3.3	SEVERE WINTER STORMS.....	96
3.4	EXCESSIVE HEAT.....	105
3.5	EXTREME COLD.....	115
3.6	TORNADOES	124
3.7	DROUGHTS	149
3.8	LANDSLIDES	157
3.9	EARTHQUAKES	165
3.10	MINE SUBSIDENCE	179
3.11	LEVEE FAILURES	193
3.12	DAM FAILURES.....	204
3.13	MAN-MADE HAZARDS	214
3.13.1	Hazardous Substances.....	214
3.13.1.1	Generation.....	215
3.13.1.2	Transportation	215
3.13.1.3	Storage/Handling	220
3.13.2	Waste Disposal.....	221
3.13.2.1	Solid Waste	221
3.13.2.2	Potentially- Infectious Medical Waste.....	221
3.13.2.3	Hazardous Waste	221
3.13.3	Hazardous Material Incidents	222
3.13.4	Waste Remediation	222

3.13.5	Nuclear Incidents	224
3.13.5.1	Power Facilities.....	224
3.13.5.2	Transportation of Spent Nuclear Fuel Rods by Railway	225
3.13.6	Terrorism.....	226
4.0	MITIGATION STRATEGY.....	230
4.1	MITIGATION GOALS REVIEW	230
4.2	EXISTING MITIGATION ACTIONS REVIEW.....	231
4.3	NEW MITIGATION ACTION IDENTIFICATION	231
4.4	MITIGATION ACTION ANALYSIS	231
4.5	MITIGATION ACTION PRIORITIZATION METHODOLOGY & COST/BENEFIT ANALYSIS REVIEW	233
4.6	MITIGATION ACTION IMPLEMENTATION & ADMINISTRATION	235
4.7	RESULTS OF MITIGATION STRATEGY.....	236
5.0	PLAN MAINTENANCE.....	321
5.1	MONITORING, EVALUATING & UPDATING THE PLAN	321
5.1.1	Monitoring and Evaluating the Plan	321
5.1.2	Updating the Plan.....	322
5.2	INCORPORATING THE MITIGATION STRATEGY INTO EXISTING PLANNING MECHANISMS	323
5.3	CONTINUED PUBLIC INVOLVEMENT	324
6.0	PLAN ADOPTION.....	325
6.1	PLAN ADOPTION PROCESS.....	325
7.0	REFERENCES.....	326

APPENDICES

Planning Committee Meeting Attendance Sheets.....	APPENDIX A
Planning Committee Meeting Minutes	APPENDIX B
Citizen Questionnaire.....	APPENDIX C
Frequently Asked Questions Fact Sheet	APPENDIX D
Media Outlets Serving the County.....	APPENDIX E
News Releases & Social Media Posts Published.....	APPENDIX F
Public Forum – Planning Process Summary Handout.....	APPENDIX G
Public Forum – Plan Comment Surveys.....	APPENDIX H
Hazard Mitigation Planning Memo Sent to Adjacent Counties.....	APPENDIX I
Hazard Event Risk Assessment Tables.....	APPENDIX J
Flood Maps for Participating Jurisdictions	APPENDIX K
Coal Mine Directories & Quadrangle Series Maps	APPENDIX L
Plan Maintenance Checklist.....	APPENDIX M
Plan Adoption Resolutions	APPENDIX N

LIST OF FIGURES

Figure I-1	Major Federal Disaster Declarations: Tazewell County	1
Figure I-2	Participating Jurisdictions Represented in the Plan.....	2
Figure I-3	Location Map.....	7

Figure I-4	Tazewell County 2020 Census Tract Map	8
Figure I-5	School District Boundary Map	9
Figure I-6	Drainage & Levee District Boundary Map	10
Figure I-7	Pekin Park District Boundary Map.....	11
Figure I-8	Tazewell County Land Cover Data: 2016 to 2021	3
Figure I-9	2017-2021 Demographic Data by Participating Jurisdiction	12
Figure I-10	2017-2021 Demographic Data by Census Tract	13
Figure I-11	Demographic Data by Participating School District	5
Figure I-12	Demographic Data by Participating Drainage & Levee District.....	5
Figure I-13	Demographic Data by Participating Park District.....	5
Figure PP-1	Description of Planning Process.....	15
Figure PP-2	Tazewell & Tazewell Counties Mitigation Advisory Committee Member Attendance Record.....	17
Figure PP-3	County / Municipalities – Planning & Regulatory Capabilities	27
Figure PP-4	County / Municipalities – Administrative & Technical Capabilities	28
Figure PP-5	County / Municipalities – Financial / Education & Outreach Capabilities	29
Figure PP-6	Schools – Planning & Regulatory / Administrative & Technical Capabilities ..	30
Figure PP-7	Schools – Financial / Education & Outreach Capabilities	31
Figure PP-8	Drainage & Levee Districts – Planning & Regulatory / Administrative & Technical Capabilities	32
Figure PP-9	Drainage & Levee Districts – Financial / Education & Outreach Capabilities ..	33
Figure PP-10	Park Districts – Planning & Regulatory / Administrative & Technical Capabilities	34
Figure PP-11	Park Districts – Financial / Education & Outreach Capabilities	35
Figure PP-12	Regional Planning Commissions – Planning & Regulatory Capabilities	36
Figure PP-13	Regional Planning Commissions – Administrative & Technical Capabilities...	37
Figure PP-14	Regional Planning Commissions – Financial / Education & Outreach Capabilities	38
Figure PP-15	Capability Rankings by Participating Jurisdiction	39
Figure R-1	Risk Priority Index Scoring System	46
Figure R-2	Risk Priority Index Hazard Ranking by Participating Jurisdiction	47
Figure R-3	National Risk Index Overall Scores/Ratings by Census Tract.....	49
Figure R-4	NRI Hazard Scores/Ratings by Hazard by Census Tract	50
Figure R-5	Critical Facilities & Infrastructure by Jurisdiction.....	52
Figure R-6	U.S. Annual Temperature Compared to 20th Central Average.....	44
Figure R-7	U.S. Annual Precipitation Compared to 20th Central Average.....	45
Figure SS-1	Wind Speed Conversions	54
Figure SS-2	Hail Size Descriptions	55
Figure SS-3	TORRO Hailstorm Intensity Scale.....	56
Figure SS-4	Thunderstorms with Damaging Winds by Month.....	58
Figure SS-5	Hail Events by Month.....	58
Figure SS-6	Cloud-to-Ground Lightning Flash Density: Continental U.S.....	59
Figure SS-7	Mean Annual Supercell Track Counts	61
Figure SS-8	Average Annual Precipitation Projections Table – Tazewell County.....	63
Figure SS-9	Average Annual Precipitation Projections Graph – Tazewell County.....	63

Figure SS-10	Number of Days with Total Precipitation > 2 Inches Graph – Tazewell County.....	63
Figure SS-11	Verified Severe Storm Events by Participating Municipality	64
Figure SS-12	Verified Severe Storm Events in Unincorporated Tazewell County.....	64
Figure SS-13	Severe Weather Crash Data for Tazewell County.....	67
Figure SS-14	Ameren Illinois – Regional Power Outages Experienced in Tazewell County as a Result of Severe Storm Events: 2010 – 2022	68
Figure F-1	Floodplain Illustration	72
Figure F-2	Example of a Flood Insurance Rate Map (FIRM).....	73
Figure F-3	Flood Events by Month	77
Figure F-4	Floodplain Areas in Tazewell County	79
Figure F-5	Bodies of Water Subject to Flooding	78
Figure F-6	NFIP Participating Jurisdictions	80
Figure F-7	Non-Participating Jurisdiction NFIP Status	81
Figure F-8	Verified Flash Flood Events by Participating Jurisdiction.....	83
Figure F-9	Repetitive Flood Loss Structures.....	87
Figure F-10	Existing Buildings, Infrastructure and Critical Facilities Located in a Base Floodplain by Participating Jurisdiction.....	87
Figure F-11	Existing Buildings, Infrastructure and Critical Facilities Located in a Levee-Protected Floodplain by Participating Jurisdiction	88
Figure F-12	Sample Calculation of Average Assessed Value & Average Market Value – Creve Coeur	91
Figure F-13	Average Market Value of Housing Units by Participating Municipality	92
Figure F-14	FEMA Flood Loss Estimation Tables	92
Figure F-15	<i>Structure</i> : Potential Dollar Loss Sample Calculation – Creve Coeur	93
Figure F-16	<i>Content</i> : Potential Dollar Loss Sample Calculation – Creve Coeur	93
Figure F-17	Estimated Potential Dollar Losses to Potentially-Damaged Housing Units from a Riverine Flood Event by Participating Municipality	94
Figure SWS-1	Severe Winter Storms by Month	99
Figure SWS-2	Number of Days Per Year with Minimum Temperature < 32°F Table – Tazewell County.....	99
Figure SWS-3	Number of Days Per Year with Minimum Temperature < 32°F Graph – Tazewell County.....	100
Figure SWS-4	Severe Winter Weather Crash Data for Tazewell County.....	102
Figure SWS-5	Socially Vulnerable Populations by Participating Jurisdictions.....	102
Figure SWS-6	Ameren Illinois – Regional Power Outages Experienced in Tazewell County as a Result of Severe Winter Storm Events: 2010 – 2022.....	103
Figure EH-1	Heat Index	106
Figure EH-2	Relationship between Heat Index and Heat Disorders	107
Figure EH-3	Excessive Heat by Month.....	109
Figure EH-4	Designated Cooling Centers by Participating Jurisdiction	109
Figure EH-5	Annual High Temperature Extreme Projections Table – Tazewell County	111
Figure EH-6	Number of Days with Maximum Temperature > 90°F Graph – Tazewell County.....	111
Figure EH-7	Number of Days with Maximum Temperature > 100°F Graph – Tazewell County.....	111

Figure EH-8	Sensitive Populations by Participating Jurisdictions	113
Figure EC-1	Wind Chill Chart	116
Figure EC-2	Extreme Cold by Month	118
Figure EC-3	Designated Warming Centers by Participating Jurisdiction.....	119
Figure EC-4	Days with Maximum Temperature < 32°F Projection Table – Tazewell County.....	120
Figure EC-5	Number of Days with Maximum Temperature < 32°F Graph – Tazewell County.....	120
Figure EC-6	Average Number of Annual Days Below 32°F.....	121
Figure T-1	Fujita & Enhanced Fujita Tornado Measurement Scales	125
Figure T-2	Tornadoes by Magnitude.....	126
Figure T-3	Tornadoes by Month.....	127
Figure T-4	F0/EF0 & EFU Tornado Pathways in Tazewell County	128
Figure T-5	F1/EF1 Tornado Pathways in Tazewell County.....	129
Figure T-6	F2 – F4 & EF2 – EF4 Tornado Pathways in Tazewell County.....	130
Figure T-7	Verified Tornadoes In or Near Participating Municipalities.....	132
Figure T-8	Verified Tornadoes In or Near Unincorporated Areas of Tazewell County	132
Figure T-9	Calculation of Average Housing Unit Density – Tazewell County	136
Figure T-10	Average Housing Unit Density by Participating Jurisdiction	137
Figure T-11	Townships in Tazewell County	138
Figure T-12	Average Housing Unit Density by Township	139
Figure T-13	Refined Land Area Figures for Participating Municipalities with Large Tracts of Commercial/Industrial and Undeveloped Land Areas.....	140
Figure T-14	Sample Calculation of Potentially-Damaged Housing Units – Tazewell County	140
Figure T-15	Sample Calculation of Potentially-Damaged Housing Units for Municipalities Covering Less Than One Square Mile – Tremont	141
Figure T-16	Estimated Number of Housing Units by Participating Jurisdiction Potentially Damaged by a Tornado	141
Figure T-17	Estimated Number of Housing Units by Township Potentially Damaged by a Tornado	142
Figure T-18	Sample Calculation of Average Assessed Value & Average Market Value – Tremont.....	144
Figure T-19	Average Market Value of Housing Units by Participating Jurisdiction.....	144
Figure T-20	Average Market Value of Housing Units by Township.....	145
Figure T-21	Structure: Potential Dollar Loss Sample Calculation – Tremont.....	145
Figure T-22	Content: Potential Dollar Loss Sample Calculation – Tremont.....	146
Figure T-23	Estimated Potential Dollar Losses to Potentially-Damaged Housing Units from a Tornado by Participating Jurisdiction	146
Figure T-24	Estimated Potential Dollar Losses to Potentially-Damaged Housing Units from a Tornado by Township	147
Figure DR-1	U.S. Drought Monitor – Drought Intensity Categories	151
Figure DR-2	U. S. Drought Monitor.....	151
Figure DR-3	Crop Yield Reductions Due to Drought – Tazewell County.....	155
Figure L-1	Areas Susceptible to Landslides in Tazewell County	159
Figure EQ-1	Earthquake Magnitude Classes.....	167

Figure EQ-2	Comparison of Richter Scale and Modified Mercalli Intensity Scale.....	168
Figure EQ-3	Approximate Number of Earthquakes Recorded Annually.....	169
Figure EQ-4	Geological Structures in Central Illinois.....	170
Figure EQ-5	Earthquakes Originating in Tazewell Illinois.....	171
Figure EQ-6	Frequency of Damaging Earthquake Shaking Around the U.S.....	173
Figure EQ-7	Potential Earthquake Impacts.....	176
Figure EQ-8	Number of Unreinforced Masonry Buildings Serving as Critical Facilities by Jurisdiction.....	178
Figure MS-1	Coal Mine Deposits & Mined Areas in Illinois.....	180
Figure MS-2	Types of Mine Subsidence.....	182
Figure MS-3	Counties Required to include Mine Subsidence Coverage in Property Insurance.....	184
Figure MS-4	Underground Mines Located Tazewell County.....	185
Figure MS-5	Illinois Mine Subsidence Insurance Fund Confirmed Claims by Year – Tazewell County.....	186
Figure MS-6	Areas Potentially Impacted by Mine Subsidence in Tazewell County.....	187
Figure MS-7	Areas Potentially Impacted by Mine Subsidence – Metropolitan Areas.....	188
Figure MS-8	Illinois Mine Subsidence Insurance Fund Claim Reimbursements by Year – Tazewell County.....	190
Figure MS-9	Critical Facilities Located in Zones 1 and 2 by Jurisdiction.....	192
Figure LF-1	Levee Systems of Significance in Pike County.....	196
Figure LF-2	Tazewell County Levee Systems of Significance Map.....	197
Figure LF-3	East Peoria Levee Systems of Significance Map.....	198
Figure LF-4	Number of Individuals Vulnerable to a Levee Breach.....	200
Figure LF-6	Number of Existing Structures Vulnerable to a Levee Breach.....	201
Figure LF-5	Critical Facilities/Infrastructure Vulnerable to a Levee Breach by Jurisdiction in Tazewell County.....	203
Figure DF-1	Dam Hazard Classification System.....	205
Figure DF-2	High Hazard Classified Dams Located in Tazewell County.....	207
Figure DF-3	Location of High Hazard Classified Dams in Tazewell County.....	209
Figure DF-4	Buildings, Infrastructure & Critical Facilities Vulnerable to a Dam Failure from High Hazard Classified Dams.....	213
Figure MMH-1	Generators of Solid & Liquid Hazardous Substances – 2021.....	228
Figure MMH-2	Roadway Incidents* Involving Shipments of Hazardous Substances.....	216
Figure MMH-3	ICC Hazardous Substances Railroad Accident/Incidents Classification Categories.....	217
Figure MMH-4	ICC Recorded Railway Accidents/Incidents Involving Hazardous Substances.....	217
Figure MMH-5	Recorded Waterway Accidents/Incidents Involving Hazardous Substances.....	218
Figure MMH-6	Pipeline Location Map.....	219
Figure MMH-7	Nuclear Generating Stations Near Tazewell County.....	225
Figure MMH-8	Locations within Emergency Planning Zones.....	225
Figure MIT-1	Mitigation Goals.....	231
Figure MIT-2	Tazewell County – Status of Existing Mitigation Actions.....	237
Figure MIT-3	East Peoria – Status of Existing Mitigation Actions.....	240

Figure MIT-4	Morton – Status of Existing Mitigation Actions	243
Figure MIT-5	Pekin – Status of Existing Mitigation Actions	248
Figure MIT-6	Tremont – Status of Existing Mitigation Actions.....	250
Figure MIT-7	Tri-County Regional Planning Commission – Status of Existing Mitigation Actions.....	252
Figure MIT-8	Washington – Status of Existing Mitigation Actions	256
Figure MIT-9	Types of Mitigation Activities.....	232
Figure MIT-10	Community Lifelines.....	233
Figure MIT-11	Mitigation Action Prioritization Methodology.....	234
Figure MIT-12	Tazewell County Hazard Mitigation Actions.....	263
Figure MIT-13	Creve Coeur Hazard Mitigation Actions.....	267
Figure MIT-14	East Peoria Hazard Mitigation Actions	272
Figure MIT-15	East Peoria Community High School District #309 Hazard Mitigation Actions.....	279
Figure MIT-16	East Peoria Drainage & Levee District Hazard Mitigation Actions.....	280
Figure MIT-17	Morton Hazard Mitigation Actions	283
Figure MIT-18	Pekin Hazard Mitigation Actions	292
Figure MIT-19	Pekin Park District Hazard Mitigation Actions.....	297
Figure MIT-21	Tri-County Regional Planning Commission Hazard Mitigation Actions	301
Figure MIT-22	Washington Hazard Mitigation Actions	307
Figure PA-1	Plan Adoption Dates.....	325

Researched and written for the Tazewell & Woodford Counties Multi-Jurisdictional
Multi-Hazard Mitigation Advisory Committee
by American Environmental Corporation



1.0 INTRODUCTION

Each year natural hazards (i.e., severe thunderstorms, tornadoes, severe winter storms, flooding, etc.) cause damage to property and threaten the lives and health of the residents of Tazewell County. Since 1973, Tazewell County has been included in eleven major federally-declared disasters. **Figure I-1** identifies each declaration including the year the disaster was declared and the type of natural hazard that triggered the declaration. The natural hazard(s) recognized as contributing to the declaration for Tazewell County is identified in bold.

Figure I-1 Major Federal Disaster Declarations: Tazewell County		
Declaration #	Year	Natural Hazard(s) Covered by Declaration
373	1973	severe storms; flooding
438	1974	severe storms; flooding
583	1979	severe storms; flooding
674	1982	severe storms; flooding
735	1985	severe storms; flooding
871	1990	severe storms; flooding; tornadoes
1469	2003	severe storms; tornadoes
1960	2011	severe winter storm
4116	2013	severe storms; straight-line winds; flooding
4157	2013	severe storms; straight-line winds; tornadoes
4489	2020	COVID-19 pandemic

In the last 10 years alone (2013 – 2022), there have been 87 thunderstorms with damaging winds, 42 excessive heat events, 34 severe storms with hail one inch in diameter or greater, 28 extreme cold events, 25 riverine flood events, 22 flash flood events, 22 severe winter storms, 12 tornadoes, 3 landslides, and one drought verified in the County.

While natural hazards cannot be avoided, their impacts can be reduced through effective hazard mitigation planning. This prevention-related concept of emergency management often receives the least amount of attention, yet it is one of the most important steps in creating a hazard-resistant community.

What is hazard mitigation planning?

Hazard mitigation planning is the process of determining how to reduce or eliminate the loss of life and property damage resulting from natural and man-made hazards. This process helps the County and participating jurisdictions reduce their risk from these hazards by identifying vulnerabilities and developing mitigation actions to lessen and sometimes even eliminate the effects of a hazard. The results of this process are documented in a multi-hazard mitigation plan.

Why update a multi-hazard mitigation plan?

By updating and adopting a multi-hazard mitigation plan, participating jurisdictions become eligible to apply for and receive federal hazard mitigation funds to implement mitigation actions identified in the plan. These funds can help provide local government entities with the opportunity to complete mitigation projects and activities that would not otherwise be financially possible.

The federal hazard mitigation funds are made available through the Disaster Mitigation Act of 2000, an amendment to the Robert T. Stafford Disaster Relief and Emergency Assistance Act, which provides federal aid for mitigation projects, but only if the local government entity has a Federal Emergency Management Agency (FEMA) approved hazard mitigation plan.

How is this plan different from other emergency plans?

A multi-hazard mitigation plan is aimed at identifying projects and activities that can be conducted prior to a natural or man-made disaster, unlike other emergency plans which provide direction on how to respond to a disaster after it occurs. This is the third update of the Tazewell County multi-hazard mitigation plan which was last updated in 2019. This update describes in detail the actions that can be taken to help reduce or eliminate damages caused by specific types of natural and man-made hazards.

1.1 PARTICIPATING JURISDICTIONS

Recognizing the benefits of having an updated multi-hazard mitigation plan, the Tri-County Regional Planning Commission invited Tazewell and Woodford Counties and all the local government entities within these two counties to participate. **Figure I-2** identifies the participating jurisdictions represented in the Tazewell County Plan update who sought Plan approval.

Figure I-2 Participating Jurisdictions Represented in the Plan	
❖ Creve Coeur, Village of	❖ Pekin, City
❖ East Peoria, City of	❖ Pekin Park District
❖ East Peoria Community High School District #309	❖ Tazewell County
❖ East Peoria Drainage & Levee District	❖ Tremont, Village of
❖ Morton, Village of	❖ Tri-County Regional Planning Commission
	❖ Washington, City of

While all of the municipalities within the County were invited and encouraged to participate in the Plan update, none chose to engage in the process and therefore are not included as participating jurisdictions in the Plan update.

1.2 COUNTY PROFILE

Tazewell County is located in central Illinois and is part of the Peoria-Pekin Metropolitan Statistical Area (MSA), which also includes Peoria and Woodford Counties. The County covers approximately 658 square miles. Located at the end of this section, **Figure I-3** provides a location map of the County and the participating municipalities while **Figure I-4** identifies the boundaries of the census tracts located in the County. **Figures I-5, I-6 and I-7**, also located at the end of this section, identify the boundaries of the school district, drainage and levee district, and park district. The Tri-County Regional Planning Commission serves the three-county area of Peoria, Tazewell, and Woodford.

The County is located between the metropolitan areas of Peoria and Bloomington-Normal and is bounded to the north by Woodford County, to the east by McLean County, to the south by Logan

and Mason Counties, and to the west by the Illinois River. The City of Pekin is the county seat. The topography is generally flat to moderate sloping with the areas adjacent to streams and drainage ways gently sloping to very steep.

The County is situated in the Till Plains Section of the Central Lowland Province of the Interior Plains. Land near the Illinois River is part of the Wooded Slopes of the Central Mississippi Valley. East of the river the land is part of the Springfield Plain. This area was glaciated and has deposits of loess of various thickness. It is a moderately dissected to strongly dissected rolling plain. The nearly level to very steep uplands are dissected by both large and small tributaries of the Illinois River. Well defined valleys with broad flood plains and numerous stream terraces are along the major streams and the Illinois River. Most areas are well-drained for crops grown in this area. With the exception of the western and southern edges, the Mackinaw watershed encompasses half of the County. The Illinois and Sangamon watersheds drain the remaining portions of the County.

According to the Multi-Resolution Land Characteristics (MRLC) Consortium, in 2021 approximately 86% of the County's land cover was vegetation, including developed open spaces, cultivated crop land, pasture/hay, grassland, and deciduous/evergreen/mixed forest while 10.4% of the County's land cover was considered developed with 4.8% impervious surfaces. Between 2016 and 2021 approximately 2.6 square miles or 0.4% of the land cover in the County changed with 0.24 square miles of development and 0.36 square miles of impervious surfaces gained. **Figure I-8** illustrates the changes by land cover type.

Figure I-8 Tazewell County Land Cover Data: 2016 to 2021						
Land Cover Categories	Area 2016	Area Lost	Area Gained	Area 2021	Net Change	Percent Change
Developed, High Intensity	6.99	0.00	0.20	7.19	0.20	2.86%
Developed, Medium Intensity	20.22	-0.01	0.46	20.67	0.45	2.22%
Developed, Low Intensity	40.42	-0.28	0.15	40.30	-0.13	-0.32%
Developed, Open Space	19.07	-0.35	0.06	18.78	-0.29	-1.50%
Cultivated Crops	450.56	-0.51	0.03	450.07	-0.49	-0.11%
Pasture/Hay	31.21	-0.08	0.01	31.13	-0.07	-0.23%
Grassland	1.68	-0.11	0.15	1.72	0.04	2.17%
Deciduous Forest	51.33	-0.09	0.04	51.28	-0.05	-0.10%
Evergreen Forest	0.40	0.00	0.00	0.40	0.00	0.35%
Mixed Forest	10.23	-0.05	0.03	10.22	-0.01	-0.12%
Scrub/Shrub	0.29	-0.04	0.08	0.33	0.04	12.50%
Woody Wetland	8.87	-0.02	0.00	8.85	-0.02	-0.18%
Emergent Herbaceous Wetland	2.36	-0.01	0.87	3.22	0.86	36.62%
Barren Land	0.86	-0.09	0.40	1.17	0.30	35.14%
Open Water	13.41	-0.90	0.06	12.57	-0.84	-6.27%
Perennial Snow/Ice	0.00	0.00	0.00	0.00	0.00	0.00%
*All numbers expressed in square miles						

Source: Multi-Resolution Land Characteristics Consortium's National Landcover Database.

Tazewell County has traditionally been known for its prime agricultural history and economy. According to the 2017 Census of Agriculture, there were 857 farms in Tazewell County occupying almost 74% (304,475 acres) of the total land area in the County. The major crops include corn

and soybeans while the major livestock includes hogs and pigs, cattle and calves, and dairy. The County ranks 23rd in the State for grains (corn and soybeans) and 7th in the State for vegetables and melons. In terms of livestock, the County ranks 22nd for hogs and pigs, 28th for dairy, and 50th for cattle and calves. Tazewell County ranks 23rd in crop cash receipts and 33rd in livestock cash receipts.

According to U.S. Cluster Mapping the top traded economic cluster in the County is distribution and electronic commerce. The largest employment sectors in Tazewell County are health care/social assistance, manufacturing, and retail trade, followed by educational services and accommodation/food services according to the Illinois Department of Commerce and Economic Opportunity. Major employers in Tazewell County include Caterpillar, Illinois Central College, Pekin Insurance, Morton Industries, and Par-a-Dice Hotel and Casino according to the Greater Peoria Economic Development Council.

Figure I-9, located at the end of this section, provides demographic and socio-economic data for the County and municipalities. None of participating municipalities meet the definition of an Economically Disadvantaged Rural Community (EDRC). FEMA defines an EDRC as a community of 3,000 or fewer individuals whose residents have an average per capita annual income not exceeding 80 percent of the U.S. per capita income based on best available data.

Figure I-10, also located at the end of this section, provides additional demographic information by census tract along with the CDC/ATSDR Social Vulnerability Index (SVI) and overall level of vulnerability. The SVI is a database that uses U.S. Census Bureau American Community Survey data to rank census tracts and counties on 16 social factors within four themes: Socioeconomic Status, Household Characteristics, Racial & Ethnic Minority Status, and Housing Type & Transportation. The goal of the SVI is to help emergency response planners and public health officials identify, map, and plan support for communities that will most likely need support before, during, and after a public health emergency.

The rankings generated by the SVI describe a county's or census tract's relative vulnerability among all other U.S. counties and census tracts. The SVI data used in this document is based on 2020 census tract information. Rankings are based on percentiles ranging from 0 to 1, with higher values indicating greater vulnerability. Each ranking is assigned to one of four levels of vulnerability: Low (0 – 0.2499), Low to Medium (0.2500 – 0.4999), Medium to High (0.5000 – 0.7499), and High (0.7500 – 1). A community with an SVI of 0.6000 or greater is considered an underserved and/or disadvantaged community. In Tazewell County none of the participating jurisdictions meet this definition.

Figures I-11, I-12, and I-13 provides basic demographic information about the size and populations served by the participating school district, drainage and levee district, and park district.

1.3 LAND USE AND DEVELOPMENT TRENDS

Population growth and economic development are two major factors that trigger changes in land use. Population growth and economic development are two major factors that trigger changes in land use. Between 2010 and 2020 the population decreased by 3% from 135,394 to 131,343. This decrease is a reversal of a larger trend. U.S. Census Bureau records indicate that between 1900

and 2010, the population of Tazewell County increased more than 400% from 33,221 to 135,394. Three of the participating municipalities have experienced increases in their populations since 2020. Morton had the largest increase of 8.0% from 15,855 to 17,117. Washington had an increase of 6.2% from 15,134 to 17,117. Three of the participating municipalities experienced decreases in their populations since 2020. Creve Coeur had the largest decrease of 10.5% from 5,451 to 4,934. Pekin had a decrease of 7.4% (34,094 to 31,731) and East Peoria had a decrease of 4.1 % (23,402 to 22,484).

The City of East Peoria has become a regional retail hub, offering a wide selection of nationally recognized retailers and restaurants. It is also home of the Par-A-Dice Hotel and Casino. Pekin, Morton, and Washington are communities of choice for family living. The County is also home to Illinois Central College's main campus in East Peoria, as well as their south campus in Pekin.

Figure I-11 Demographic Data by Participating School District				
Participating District	Number of Schools in District	Estimated Population Served	Area Served (Sq. Miles)	Communities / Unincorp. Areas Served in the County
East Peoria Community High School District #309	1	24,000	33	East Peoria, Creve Coeur, part of Washington

Source: Capability Assessment Worksheets – School Districts.

Figure I-12 Demographic Data by Participating Drainage & Levee District			
Participating District	Estimated Population Served	Area Served (Acres)	Communities / Unincorp. Areas Served in Mason County
East Peoria Drainage & Levee District	n/a	675	East Peoria

Source: Capability Assessment Worksheets – Drainage & Levee Districts.

Figure I-13 Demographic Data by Participating Park District				
Participating District	Number of Parks/ Recreational Facilities	Estimated Population Served	Area Served (Sq. Miles)	Communities / Unincorp. Areas Served in the County
Pekin Park District	19	35,000	81	Pekin, unincorporated areas within Pekin Community School District #303

Source: Capability Assessment Worksheets – Park Districts.

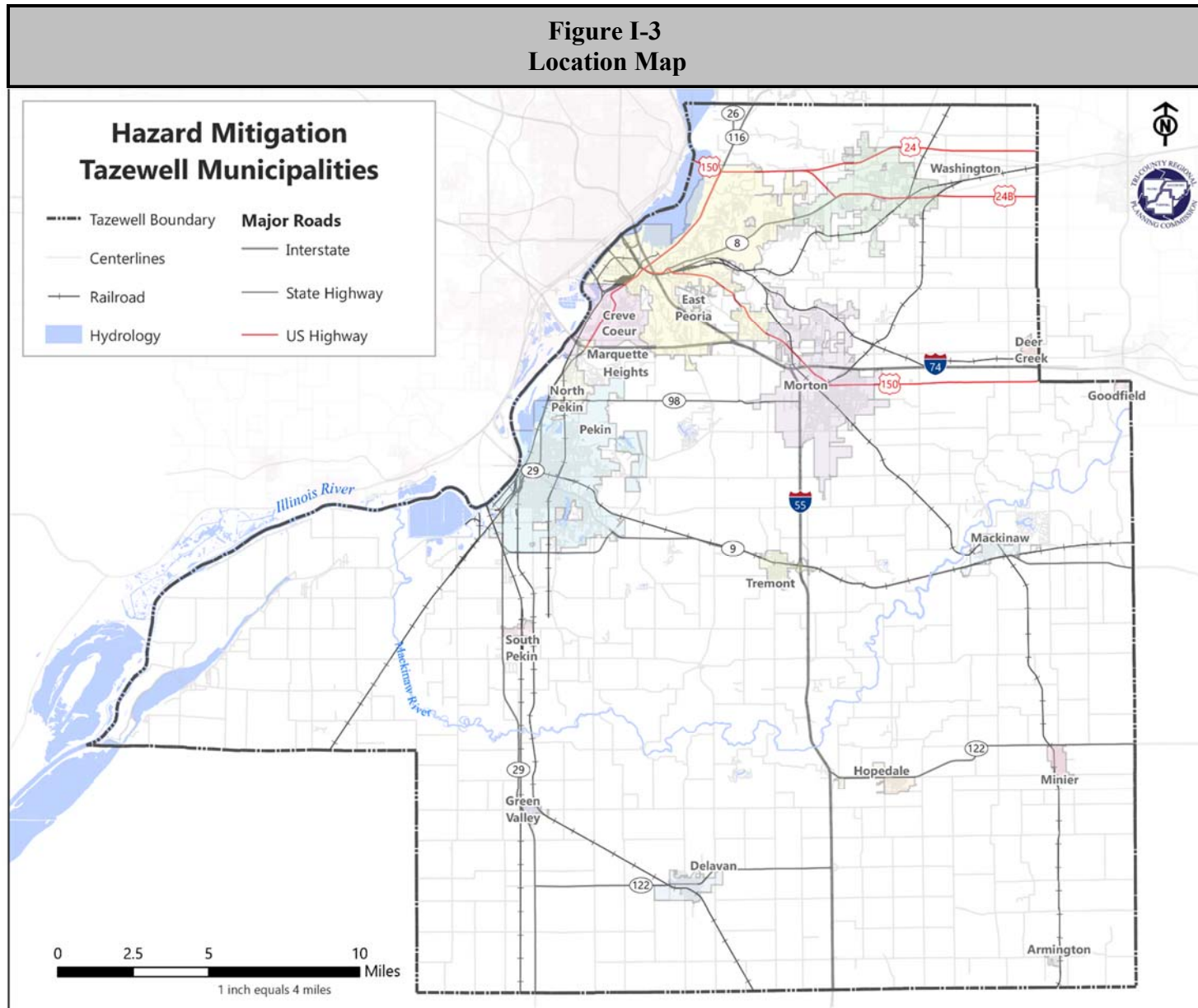
Land use in Tazewell County is primarily agricultural. As discussed in the previous section, approximately 74% of the land within the County is used for farming practices. Agriculture is and will continue to be an important industry within the County.

According to the Tazewell County Community Development Administrator, no substantial changes in development have occurred within hazard prone areas of the County that have impacted

its overall vulnerability since the previous Plan update was approved. In terms of the participating jurisdictions, none have experienced substantial changes in development that have impacted their overall vulnerability since the previous Plan update was approved.

One possible addition in the next few years is the installation of a high-pressure carbon dioxide pipeline that would traverse Tazewell County. This development is in the early planning stages but would produce a future pipeline release hazard if installed.

There are no other large-scale economic development initiatives underway in the County. Substantial changes in land use (from forested and agricultural land to residential, commercial, and industrial) are not anticipated within the County in the immediate future. No sizeable increases in commercial or industrial developments are expected within the next five years.



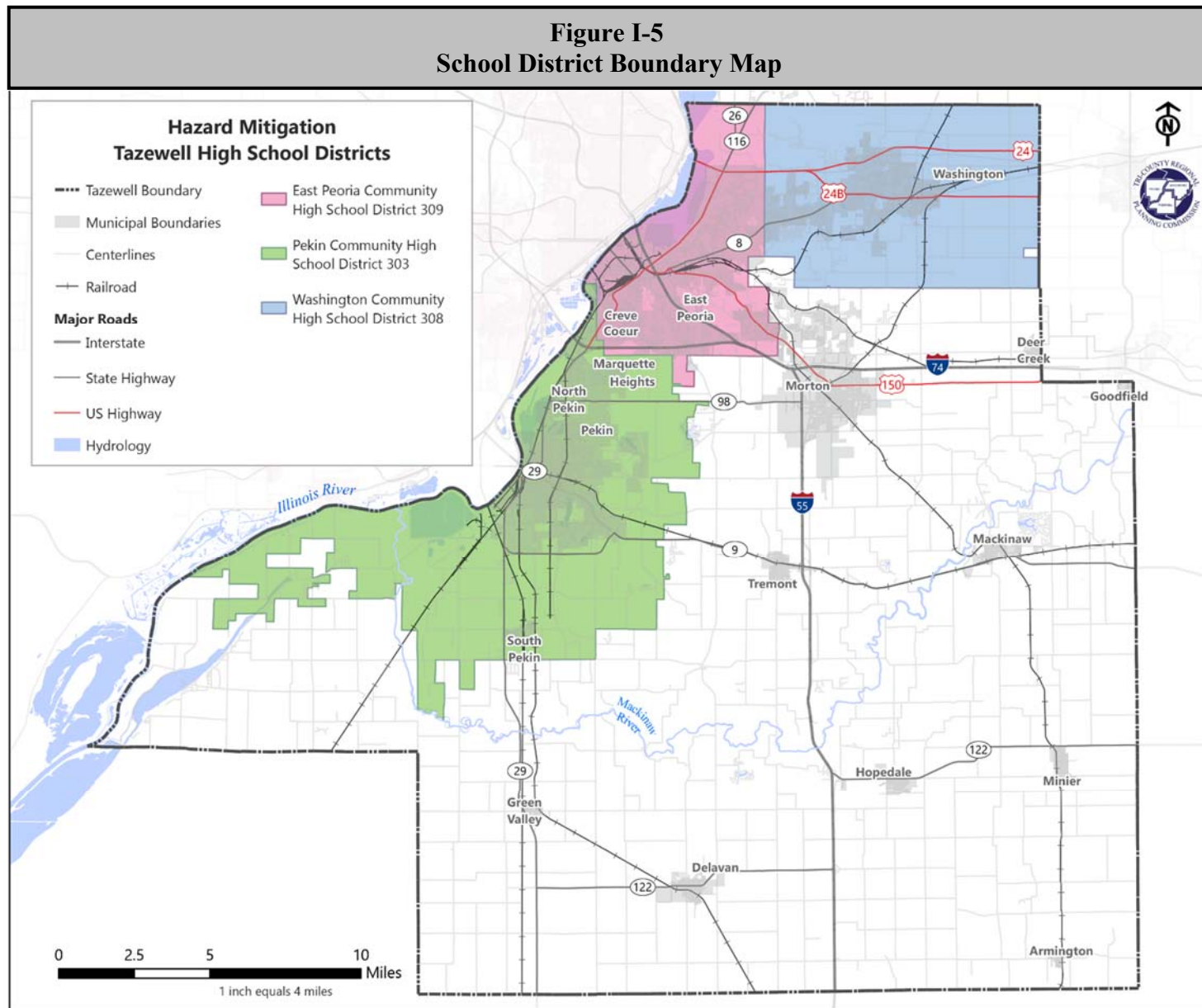
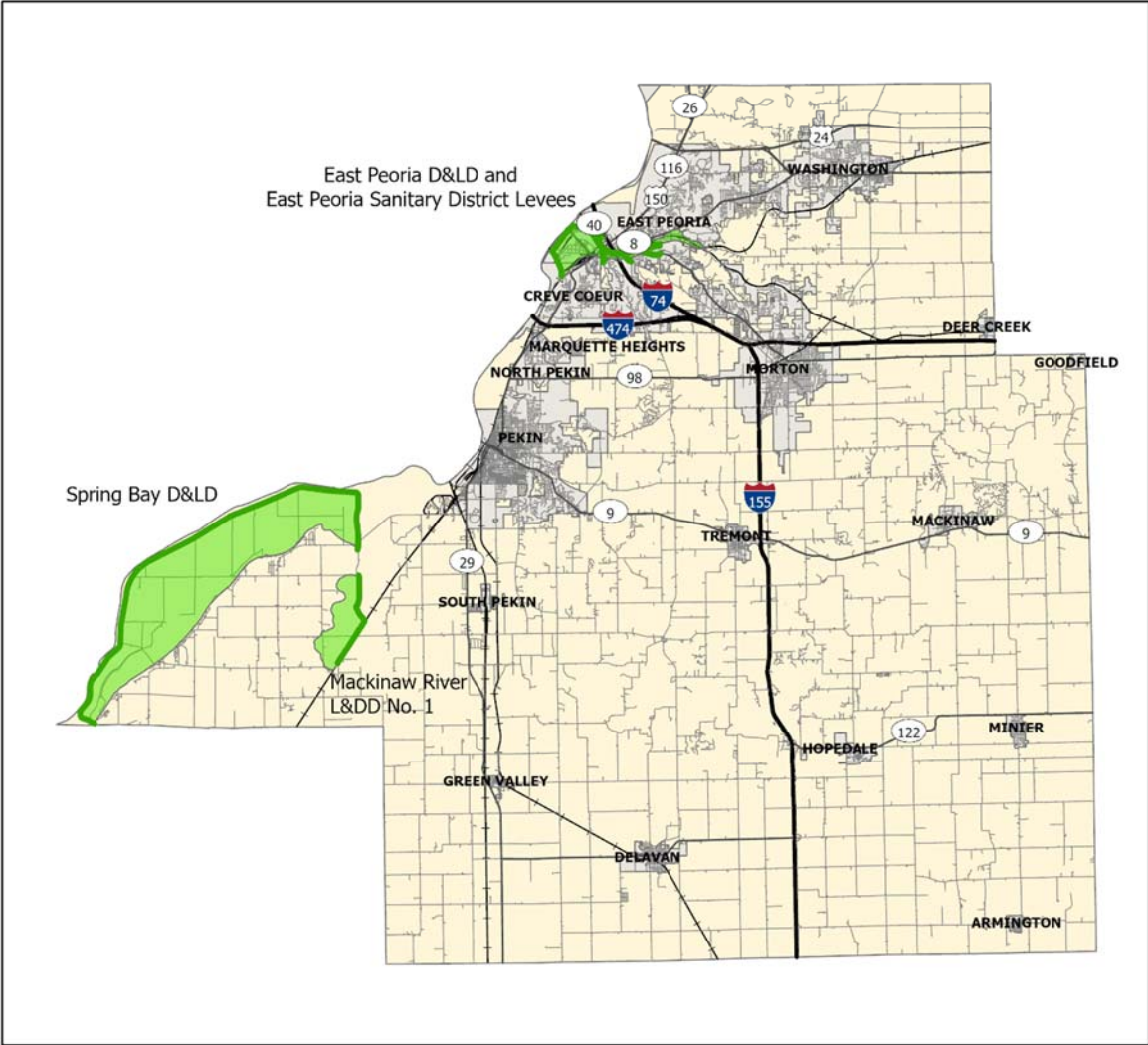


Figure I-6
Drainage & Levee District Boundary Map

Tazewell County



- | | |
|----------------------|-----------------|
| Municipal Boundaries | Interstates |
| Levee Protected Area | US/State Routes |
| Levee System | Roadways |
| | Railroads |

0 2.5 5 10
Miles

Map Created September 2023 in ArcGIS Pro by Callie Smith at American Environmental Corporation
Sources: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, NASA, NGA, USGS, FEMA

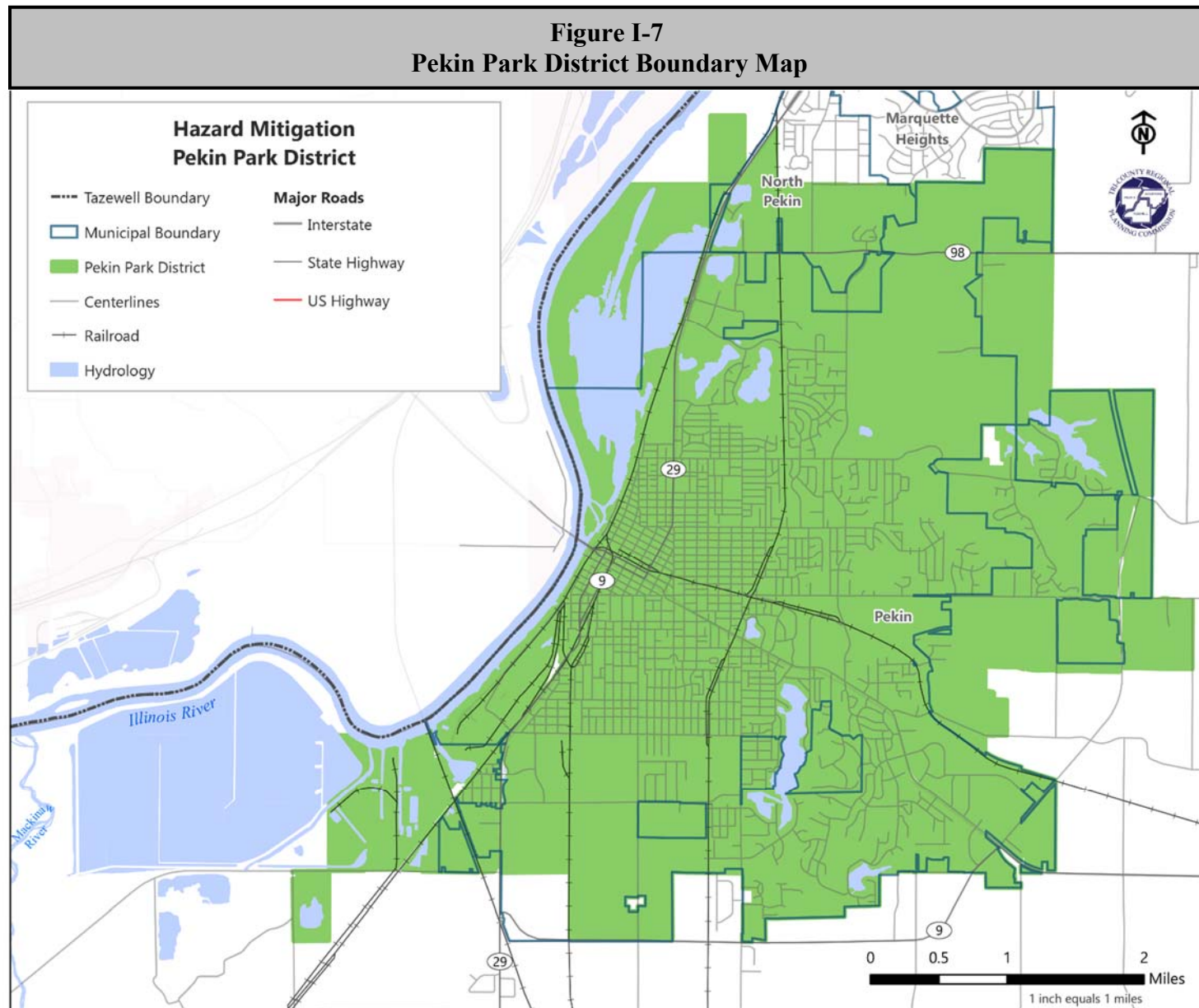


Figure I-9
2017-2021 Demographic Data by Participating Jurisdiction

Participating Jurisdiction	Population	Projected Population (2030)	Total Area (Sq. Miles) (2020)	Number of Housing Units	Percent Race								Income			Total Assessed Value of Housing Units (2021)
					White (alone)	Black or African American (alone)	Asian (alone)	Hispanic or Latino (of any race)	American Indian & Alaska Native (alone)	Native Hawaiian & Other Pacific Islander (alone)	Some other Race (alone)	Two or more Races	% of People whose Income is below the Poverty Line	Per Capita Income	EDRC*	
Tazewell County (Total)	131,977	131,010	676.490	45,626	95.1%	1.3%	1.0%	2.5%	0.1%	0.0%	0.3%	2.1%	8.9%	\$35,601	---	\$2,018,303,176
Tazewell County (Unincorp.)	24,152	23,975	575.440	9,896	97.4%	0.2%	0.8%	2.0%	0.1%	0.1%	0.2%	1.3%	4.1%	---	---	\$442,422,749
Creve Coeur	4,947	4,911	4.231	2,284	95.9%	1.3%	0.0%	2.0%	0.0%	0.0%	0.0%	2.7%	9.9%	\$34,599	N	\$39,537,045
East Peoria	22,707	22,541	20.411	10,697	93.6%	1.6%	2.5%	2.2%	0.0%	0.0%	0.0%	2.0%	10.6%	\$35,578	N	\$327,064,080
Morton	16,591	16,469	12.808	7,554	95.0%	1.1%	1.5%	2.6%	0.0%	0.0%	0.0%	2.2%	5.7%	\$43,538	N	\$383,333,665
Pekin	32,398	32,161	15.596	15,098	92.9%	3.0%	0.5%	2.6%	0.2%	0.1%	0.3%	3.0%	15.0%	\$28,704	N	\$330,271,161
Tremont	2,333	2,316	1.120	1,059	97.8%	0.0%	0.0%	6.9%	0.6%	0.0%	0.0%	1.6%	2.6%	\$36,588	N	\$41,518,945
Washington	16,008	15,891	8.541	6,384	95.3%	0.6%	1.2%	2.4%	0.0%	0.0%	1.2%	1.6%	4.9%	\$38,555	N	\$310,882,740
Illinois	12,821,813	12,841,250	55,513.18	5,412,995	67.8%	14.1%	5.7%	17.5%	0.3%	0.04%	6.2%	6.2%	11.8%	\$39,571	---	---
US	329,725,481	---	3,533,038	139,647,020	68.2%	12.6%	5.7%	18.4%	0.8%	0.2%	5.6%	5.6%	12.6%	\$37,638	---	---

* For the purposes of FEMA's Hazard Mitigation Assistance grant programs administered by the Illinois Emergency Management Agency, an Economically Disadvantaged Rural Community (EDRC) is defined in Illinois as a community of 3,000 or fewer individuals whose residents have an average per capita annual income not exceeding 80 percent of the U.S. per capita income based on best available data.

Sources: Tazewell County Clerk.

Illinois Department Public Health, Population Projections – Illinois, Chicago and Illinois Counties by Age and Sex: July 1, 2015 to July 1, 2030 (2019 Edition).

U. S. Census Bureau, American Community Survey, 5-Year Data Profile.

Figure I-10
2017-2021 Demographic Data by Census Tract
(Sheet 1 of 2)

Census Tract (2020)	Incorporated Municipalities that Fall Within Census Tract	Population (2017-2021)	Total Area (Sq. Miles) (2020)	Number of Housing Units (2017-2021)	Percent Race								Income	Social Vulnerability Index	
					White (alone)	Black or African American (alone)	Asian (alone)	Hispanic or Latino (of any race)	American Indian & Alaska Native (alone)	Native Hawaiian & Other Pacific Islander (alone)	Some other Race (alone)	Two or more Races	% of People whose Income is below the Poverty Line	Nation-wide Overall SVI Ranking (2020)	Level of Vulnerability
201	East Peoria	2,678	7.695	1,431	95.0%	1.9%	0.6%	4.9%	0.0%	0.0%	0.6%	2.0%	12.5%	0.2700	Low to Medium
203.01	East Peoria	4,109	5.600	1,845	95.5%	0.0%	4.2%	0.0%	0.0%	0.0%	0.2%	0.0%	12.5%	0.1013	Low
203.02	East Peoria	4,156	4.975	2,122	96.9%	1.3%	0.0%	2.2%	0.0%	0.0%	0.0%	1.8%	14.2%	0.2430	Low
204	Creve Coeur	5,085	3.737	2,363	96.0%	1.3%	0.0%	1.9%	0.0%	0.0%	0.0%	2.7%	9.7%	0.2252	Low
205	Creve Coeur, Marquette Heights, North Pekin	4,423	7.728	2,006	98.1%	0.5%	0.3%	0.9%	0.0%	0.0%	0.1%	0.9%	8.0%	0.1846	Low
206	Pekin	1,991	0.445	1,003	93.5%	0.6%	0.0%	3.5%	0.0%	0.0%	0.0%	5.9%	9.9%	0.1706	Low
207	North Pekin, Pekin	4,675	2.729	2,193	92.2%	3.2%	1.9%	1.8%	0.0%	0.4%	0.0%	2.2%	7.4%	0.2246	Low
208	Pekin	2,974	1.623	1,488	97.1%	0.0%	1.4%	1.2%	0.0%	0.0%	0.7%	0.8%	17.4%	0.4770	Low to Medium
209	Pekin	1,717	1.099	897	93.2%	1.0%	0.0%	1.4%	0.0%	0.0%	0.0%	5.8%	27.0%	0.5460	Medium to High
210	Pekin	5,489	0.961	2,713	96.1%	0.0%	0.0%	0.5%	0.0%	0.0%	0.5%	3.4%	11.0%	0.3525	Low to Medium
211.01	Pekin	6,106	1.919	3,321	90.9%	4.5%	0.3%	3.5%	0.0%	0.4%	0.0%	3.9%	27.7%	0.5436	Medium to High
211.02	Pekin	5,404	2.338	2,461	97.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	7.3%	0.3911	Low to Medium

Figure I-11
2017-2021 Demographic Data by Census Tract
(Sheet 2 of 2)

Census Tract (2020)	Incorporated Municipalities that Fall Within Census Tract	Population (2017-2021)	Total Area (Sq. Miles) (2020)	Number of Housing Units (2017-2021)	Percent Race								Income	Social Vulnerability Index	
					White (alone)	Black or African American (alone)	Asian (alone)	Hispanic or Latino (of any race)	American Indian & Alaska Native (alone)	Native Hawaiian & Other Pacific Islander (alone)	Some other Race (alone)	Two or more Races	% of People whose Income is below the Poverty Line	Nation-wide Overall SVI Ranking (2020)	Level of Vulnerability
212.01	East Peoria, Washington	5,583	16.293	2,154	91.8%	1.1%	3.8%	1.7%	0.0%	0.0%	0.2%	3.1%	11.0%	0.4196	Low to Medium
212.02	East Peoria	3,273	2.029	1,573	98.0%	0.1%	0.0%	0.7%	0.0%	0.0%	0.2%	1.7%	5.2%	0.2934	Low to Medium
212.03	East Peoria	5,316	2.467	2,353	90.7%	2.1%	4.0%	2.6%	0.1%	0.0%	0.0%	3.1%	6.3%	0.3206	Low to Medium
215	East Peoria, Pekin, Morton	6,645	24.839	3,069	95.5%	0.1%	1.2%	4.2%	0.0%	0.0%	0.2%	2.9%	11.7%	0.4867	Low to Medium
216.03	Morton	5,913	13.993	2,352	95.7%	0.7%	1.9%	0.1%	0.0%	0.0%	0.0%	1.7%	1.2%	0.2359	Low to Medium
216.04	Morton	2,107	3.669	1,044	91.5%	2.6%	3.8%	6.8%	0.0%	0.0%	0.0%	2.1%	12.1%	0.4256	Low to Medium
216.05	Morton	2,940	0.632	1,226	94.0%	2.6%	1.4%	4.4%	0.0%	0.3%	0.2%	1.5%	4.2%	0.1318	Low
216.06	Morton	5,852	10.457	2,473	96.3%	0.6%	0.3%	1.3%	0.0%	0.0%	0.0%	2.8%	3.8%	0.3261	Low to Medium
217.01	Deer Creek, Goodfield, Mackinaw	5,805	74.735	2,503	98.7%	0.3%	0.0%	1.9%	0.0%	0.0%	0.1%	0.9%	4.9%	0.0620	Low
217.02	Pekin, Tremont	5,471	67.386	2,341	96.8%	0.1%	1.4%	4.8%	0.3%	0.0%	0.0%	1.5%	4.7%	0.2146	Low
218.01	Pekin, South Pekin	5,503	18.118	1,634	87.8%	9.2%	0.0%	4.5%	1.3%	0.0%	1.2%	0.6%	9.4%	0.4828	Low to Medium
218.02	---	1,687	75.514	913	97.3%	0.0%	0.0%	0.7%	0.8%	0.0%	0.0%	1.8%	7.9%	0.1378	Low
219	Delavan, Green Valley	4,672	130.972	1,943	98.2%	0.2%	0.3%	3.1%	0.1%	0.0%	0.1%	1.1%	8.4%	0.0876	Low
220	Armington, Hopedale, Minier	4,297	131.078	1,769	96.6%	0.2%	0.1%	3.2%	0.1%	0.0%	0.1%	2.9%	6.1%	0.3885	Low to Medium
221	Washington	3,736	24.142	1,519	95.7%	0.2%	0.0%	3.1%	0.0%	0.0%	2.8%	1.2%	0.6%	0.0571	Low
222	Washington	3,865	9.338	1,827	95.5%	0.4%	0.6%	2.8%	0.0%	0.0%	1.5%	2.1%	7.9%	0.0967	Low
223	Washington	6,158	5.534	2,023	95.0%	1.2%	2.4%	2.3%	0.0%	0.0%	0.6%	0.8%	6.5%	0.2532	Low to Medium
224	East Peoria, Washington	4,347	5.932	2,047	94.8%	1.8%	0.1%	6.3%	0.1%	0.3%	0.7%	2.2%	1.7%	0.2460	Low
Tazewell County		131,977	657.978	58,606	95.1%	1.3%	1.0%	2.5%	0.1%	0.047%	0.3%	2.1%	8.9%	0.0948	Low

Sources: CDC/ATSDR Social Vulnerability Index.

U.S. Census Bureau, American Community Survey, 5-Year Data Profile.

2.0 PLANNING PROCESS

The Tazewell Multi-Jurisdictional Multi-Hazard Mitigation Plan (the Plan) was updated through the Tri-County Regional Planning Commission (TCRPC) and the Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee (MAC or Committee). The Plan was prepared to comply with the Disaster Mitigation Act of 2000 and incorporates the nine recommended tasks for developing or updating a local hazard mitigation plan as outlined in Federal Emergency Management Agency's (FEMA) *Local Mitigation Planning Handbook*. **Figure PP-1** provides a brief description of the process utilized to prepare this Plan.

Figure PP-1 Description of Planning Process	
Tasks	Description
Task One: Building the Planning Team	The MAC was reformed with broad representation and specific expertise to assist the TCRPC, the County, and the Consultant in updating the Plan.
Task Two: Outreach Strategy	Early and ongoing public involvement activities were conducted throughout the Plan's development to ensure the stakeholders and public was given every opportunity to participate and provide input.
Task Three: Risk Assessment	The Consultant identified and profiled the natural and man-made hazards that have impacted the County and conducted vulnerability analyses to evaluate the risk to each participating jurisdiction.
Task Four: Capability Assessment	Participating jurisdictions have a unique set of capabilities and resources available to accomplish hazard mitigation. Capabilities that include planning and regulatory, administrative and technical, financial, and education and outreach were identified and cataloged to determine the existing capabilities of each participant related to hazard and loss reduction/prevention.
Task Five: Mitigation Strategy	After reviewing existing plans and completing the risk assessment, the Consultant assisted the MAC in updating the goals and objectives for the Plan. The participating jurisdictions were then asked to identify mitigation actions that had been started and/or completed since the previous Plan was adopted. In addition, they were asked to identify any new mitigation actions based on the results of the risk assessment. The new mitigation actions were then analyzed, categorized, and prioritized.
Task Six: Plan Maintenance and Update	The method and schedule for monitoring, evaluating, and updating the Plan was reviewed and discussed with the participating jurisdictions. The Plan update will be monitored and evaluated by a Plan Maintenance Subcommittee on an annual basis and updated again in five years.
Task Seven: Review and Adopt the Plan	The draft Plan update summarized the results of Tasks Two through Seven. The Plan was reviewed by the participants and a public forum was held to give the public an additional opportunity to provide input. Comments received were incorporated into the draft Plan update and submitted to the Illinois Emergency Management Agency and Office of Homeland Security (IEMA-OHS) and FEMA for review and approval. Comments received from IEMA-OHS and FEMA were incorporated into the final Plan update. The final Plan update was then submitted to the County and participating jurisdictions for adoption.

The Plan update and development was led at the staff level by Reema Abi-Akar, Senior Planner, and Michael Bruner, Senior Planner, of the TCRPC. American Environmental Corp. (AEC) an environmental consulting firm, with experience in hazard mitigation, risk assessment and public involvement, was employed to guide the TCRPC, the County, and participating jurisdictions through the planning process.

Participation in the planning process, especially by the County and local government representatives, was crucial to the update and development of the Plan. To ensure that all participating jurisdictions took part in the planning process, participation requirements were established. Each participating jurisdiction agreed to satisfy the following requirements in order to be included in the Plan update. All of the participating jurisdictions met the participation requirements.

- Attend at least one Committee meeting.
- Complete a capability assessment identifying existing capabilities and resources (i.e., plans, policies, ordinances studies, reports, maps, etc.) available to accomplish hazard mitigation.
- Identify/submit a list of critical infrastructure and facilities.
- Review the risk assessment and provide additional information on events and damages when available.
- Participate in the update of the mitigation goals and project prioritization methodology.
- Provide information on any mitigation actions started and/or completed since the adoption of the original Plan.
- Identify and submit a list of new mitigation actions.
- Review and comment on the draft Plan update.
- Formally adopt the Plan update.
- Where applicable, incorporate the Plan update into existing planning efforts.
- Participate in the Plan update maintenance.

2.1 MITIGATION ADVISORY COMMITTEE

As previously mentioned, at the start of the planning process, the Tazewell & Woodford Counties MAC was formed to update the hazard mitigation plan. The Committee included representatives from each participating jurisdiction, as well as agriculture, business, education, emergency services, planning, social services, and utilities.

Figure PP-2 details the entities represented on the Committee and the individuals who attended on their behalf. The MAC was chaired by the TCRPC. Additional technical expertise was provided by the staff at the Illinois Emergency Management Agency and the Illinois Department of Natural Resources Office of Water Resources.

**Figure PP-2
Tazewell & Tazewell Counties Mitigation Advisory Committee
Member Attendance Record**

Representing	Name	Title	1/31/2023	4/25/2023	7/25/2023	10/19/2023
American Environmental Corporation	Bostwick-Campbell, Andrea	EMS Manager		X	X	
American Environmental Corporation	Runkle, Ken	Risk Assessor	X	X		X
American Environmental Corporation	Smith, Callie	Environmental Analyst	X		X	X
American Red Cross	Crutcher, Julie	Disaster Specialist	X			
American Red Cross	Hathaway, Guy	Disaster Services Volunteer	X			
Creve Coeur, Village of	Egan, Justin	Chief of Police	X	X	X	
Creve Coeur, Village of	Keogel, Terry	Public Works Director		X	X	
Creve Coeur, Village of	Ristow, Roger	Assistant Fire Chief		X		
Creve Coeur, Village of	Wallace, Shanita	Trustee	X	X	X	X
East Peoria Community High School District #309	Greuter, Marjorie	Superintendent	X	X	X	
East Peoria Drainage & Levee District	Atchison, Thomas	District Engineer				X
East Peoria Drainage & Levee District	Koch, Kevin	District Engineer				X
East Peoria Drainage & Levee District	Ridgley, Patrick	Commissioner		X		
East Peoria Drainage & Levee District	Whetstone, Monica	Commissioner		X	X	
East Peoria, City of	Livingston, Ty	Director of Planning & Community Development	X	X	X	X
East Peoria, City of	Zimmerman, Bobby	Fire Chief	X			
El Paso, City of	Kauther, Barry	Director of Public Service	X	X	X	X
EPIC	Harper, Dawn	Transportation Coordinator	X	X	X	
Eureka, City of	Brown, Melissa	City Services Coordinator	X	X	X	
Germantown Hills, Village of	Brecklin, Rich	Director of Public Works		X	X	X
Germantown Hills, Village of	Doubet, Ann	Administrator			X	
Germantown Hills, Village of	Sasso, Ann	Administrator	X			
Minonk, City of	McNamara, Julie	Alderwoman	X	X		
Minonk, City of	Minz, Tonya	Director of Emergency Management / EMT	X	X	X	X
Minonk, City of	Moline, Bill	Administrator	X		X	X
Morton, Village of	Bullard, Jamey	Engineering Tech	X	X	X	X
National Weather Service	Shimon, Ed	Warning Coordination Meteorologist	X	X	X	
Pekin Park District	Bettin, Cameron	Executive Director	X	X	X	X
Pekin, City of	Rendleman, Tony	Deputy Fire Chief			X	
Peoria County - EMA	Marks, Jason	Director of Emergency Management & Preparedness	X			
Roanoke, Village of	Scarbeary, Joshua	Trustee				X
Roanoke, Village of	Smith, Michael	Mayor		X	X	
Tazewell County - Community Development	Workman, Jaclynn	Administrator		X	X	
Tazewell County - EMA	Cook, Dawn	Director	X	X		X
Tazewell County Farm Bureau	Rogier, Emily	Manager	X			
Tremont, Village of	Hansen, Eric	Engineer			X	X
Tri-County Regional Planning Commission	Abi-Akar, Reema	Planner III / Senior Planner	X	X	X	X
Tri-County Regional Planning Commission	Bruner, Michael	Planner III / Senior Planner	X	X		
Tri-County Regional Planning Commission	Guevara, Gabriel	Planner I			X	
Tri-County Regional Planning Commission	Hunt, Gavin	Planner I			X	
Washington, City of	Carr, Dennis	Engineer			X	
Washington, City of	Oliphant, Jon	Planning & Development Director	X	X	X	X
WMBD	Danesh, Shabnam	Reporter	X			
Women's Council of Realtors	DeWitte, Dori	Realtor	X			
Woodford County - EMA	McCanless, Kent	Director	X	X	X	X
Woodford County - Highway Department	Moore, Conrad	Engineer		X		
Woodford County - Sheriff's Office	Smith, Matt	Sheriff				X
Woodford County Farm Bureau	Cook, Malena	Manager	X			

Mission Statement

Over the course of the first two meetings the MAC reviewed and discussed the mission statement for the Committee which describes their objectives for the Plan update. This mission statement was updated based on the mission statement approved for the previous Plan update.

“The mission of the Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee is to prepare mitigation plans that document the risks associated with the natural and man-made hazards that impact the two-county area and identify projects and activities that mitigate the negative impacts of natural hazards on citizens, infrastructure, private property and critical facilities.”

Mitigation Advisory Committee Meetings

The MAC met four times between January 2023 and October 2023. **Figure PP-2** identifies the representatives by jurisdiction present at each meeting. **Appendices A** and **B** contain copies of the attendance sheets and meeting minutes for each meeting. The purpose of each meeting, including the topics discussed, is provided below.

First MAC Meeting – January 31, 2023

The purpose of this meeting was to explain the planning process to the Committee members and give them a brief overview of the planning process including what mitigation is, what a hazard mitigation plan is and why the Plans need to be updated.

Information needed from each participant was discussed and representatives for each county and the participating jurisdictions were asked to complete the forms entitled “Capability Assessment Worksheet,” “Critical Facilities & Infrastructure,” “Identification of Severe Weather Shelters” and “Drinking Water Supply Worksheet” and return them at the next meeting.

Committee members were then asked to identify any recent or historic natural hazard events that have impacted the counties and participants. A “Hazard Events Questionnaire” was distributed to solicit information on hazard events. Community participation was also discussed. Each county and participating jurisdiction was asked to make information available on the planning process at their offices and in their communities. A “Citizen Questionnaire,” was also distributed electronically to Committee members prior to the meeting for distribution to their constituents to gauge the public’s perception about the hazards that impact each county.

The Committee members then discussed vulnerable community assets and completed the form entitled “Critical Facilities Vulnerability Survey” which will be used in the vulnerability analyses. Next, mitigation actions were defined, and examples were discussed. As part of the Plan update, individual mitigation action lists will be created for each participating jurisdiction. Committee members were asked to identify any mitigation projects and activities their jurisdictions had started and/or completed since the previous Plan was completed in 2019. Ideas for new potential mitigation projects and activities were presented. Representatives for each county and the participating jurisdictions were asked to complete the forms entitled “Existing Mitigation Project/Activity Status” and “New Hazard Mitigation Projects” and return them at the next meeting. Finally, drafts of the updated mission statement and mitigation goals were presented for review.

Second MAC Meeting – April 25, 2023

At the second Committee meeting portions of the updated natural and man-made hazard risk assessment sections were presented for review. Following the review of the risk assessment, the Committee members participated in an exercise to calculate the Risk Priority Index (RPI) for each participant. The RPI can assist jurisdictions in determining which hazards present the highest risks and therefore which ones to focus on when formulating mitigation projects and activities. The Committee then discussed the draft mission statement and updated mitigation goals. The mission statement and mitigation goals were then reviewed, discussed, and finalized with no changes. Next, an explanation of what a mitigation action prioritization methodology is and how it fits into the Mitigation Strategy was provided. The Committee reviewed the updated mitigation project prioritization methodology and approved it with no changes.

The concept of community lifelines was also discussed. Community lifelines enable the continuous operation of critical government and business functions essential to human health and safety or economic security. While the concept was developed to support emergency response and planning, FEMA has begun applying it to all phases of emergency management, including mitigation. Community lifelines will be included in most project descriptions to create a clear connection to the concept.

Finally, a discussion on how the mitigation projects and activities identified by the participating jurisdictions will be presented in the updated Plans was provided. Participants were encouraged to provide their mitigation project lists prior to the 3rd meeting when draft lists will be distributed for review.

Third MAC Meeting – July 25, 2023

The purpose of the third Committee meeting was to discuss the vulnerability analysis for select natural hazards and the preliminary results of the RPI exercise. Members then reviewed the draft jurisdiction-specific mitigation action tables which identified and prioritized the new and existing mitigation projects and activities provided by the participants. Members were given the opportunity to add additional projects and activities to their tables.

The public forum and adoption process were then discussed, and a date for the public forum was set. Finally, the plan maintenance and update requirements were discussed. The Plan update will be monitored and evaluated on an annual basis by a Plan Maintenance Subcommittee which will be made up of the Regional Planning Commission, participating jurisdictions, and key members of the Committee. The Plan must be reviewed, revised, and resubmitted to IEMA-OHS and FEMA at least once every five years.

Fourth MAC Meeting – October 19, 2023

At this Committee meeting the public was provided an opportunity to ask questions and provide comments on the draft Plan update.

2.2 OUTREACH STRATEGY

To engage the public in the planning process, a comprehensive outreach strategy was developed. The strategy was structured to engage the public, including underserved communities and

vulnerable populations, in a two-way dialogue, encouraging the exchange of information throughout the planning process. A mix of public involvement techniques and practices were utilized to:

- disseminate information;
- identify additional useful information about natural hazard occurrences and impacts;
- assure that interested residents would be involved throughout the Plan update's development; and
- cultivate ownership of the Plan update, thus increasing the likelihood of adoption by the participating jurisdictions.

The dialogue with the public followed proven risk communication principles to help assure clarity and avoid overstating or understating the impacts posed by the natural hazards identified in the Plan update. The following public involvement techniques and practices were applied to give the public an opportunity to access information and participate in the dialogue at their level of interest and availability.

Citizen Questionnaire

A citizen questionnaire was developed to gather facts and gauge public perceptions about natural hazards that affect Tazewell County. The questionnaire was distributed electronically to the Committee members who were encouraged to make it available to their residents and the general public. A copy of the questionnaire as well as any web and social media posts related to the questionnaire are contained in **Appendix C**.

A total of 91 questionnaires were completed and returned to the Committee. Questionnaires were completed by residents in each participating jurisdiction. These responses provide useful information to decision makers as they determine how best to disseminate information on natural hazards and safeguard the public. Additionally, these responses identify the types of projects and activities the public is most likely to support. The following provides a summary of the results.

- ❖ Respondents felt that severe summer storms were the most frequently encountered natural hazard in Tazewell and Woodford Counties, followed by severe winter storms and floods. However, compiled weather records indicate that flood events, in fact, occur more frequently than severe winter storms.
- ❖ The most effective means of communication identified by respondents to disseminate information about natural hazards were social media and the Internet, followed by mailings and television. Information made available over the radio, as well as fact sheets/brochures disseminated via fire departments/law enforcement and materials from municipal/county offices also received some support among respondents.
- ❖ In terms of the most needed mitigation projects and activities, the following categories received the strongest support:
 - maintain power during storms by burying power lines, trimming trees and/or purchasing backup generators (79%);
 - maintain roadway passages during snowstorms and heavy rains (58%);
 - retrofit critical infrastructure (49%);

- flood or drainage protection (48%); and
- identify residents with special needs in order to provide assistance during a natural hazard event (48%);

FAQ Fact Sheet

A “Frequently Asked Questions” fact sheet was disseminated to help explain what a natural hazards mitigation plan is and briefly describe the planning process. The fact sheet was made available to the Regional Planning Commission, Committee members, and each participating jurisdiction to provide to their constituents. A copy of the fact sheet is contained in **Appendix D**.

News Releases/Articles and Web/Social Media Posts

News releases were prepared and submitted to local media outlets and posted to the TCRPC Facebook, Twitter, and web pages prior to each Committee meeting. The releases announced the purpose of the meetings and how the public could become involved in the Plan update’s development. TCRPC also published articles in its monthly newsletter. **Appendix E** contains a list of the media outlets that received the news releases while copies of the releases, Facebook, Twitter, and web posts, and any news articles published can be found in **Appendix F**.

Mitigation Advisory Committee Meetings

All of the meetings conducted by the Committee were open to the public and publicized in advance to encourage public participation. At the end of each meeting, time was set aside for public comment. In addition, Committee members were available throughout the planning process to talk with residents and local government officials and were responsible for relaying any concerns and questions voiced by the public to the Committee. Interested individuals from the public who attended the Planning Committee meetings were provided handout materials and encouraged though not required to provide their names and/or sign the attendance sheets. Copies of the attendance sheets are included in **Appendix A**.

Public Forum

The final meeting of the Committee, held on October 19, 2023 was conducted as an open-house public forum. The open-house format was chosen for this forum instead of a hearing to provide greater flexibility for residents who wished to participate. Residents were able to come and go at any time during the forum, reducing conflicts with business, family, and social obligations.

In conjunction with the public forum, the updated draft Plans were made available for review and comment on the Tri-County Regional Planning Commission’s website. A two-page handout summarizing the planning process and a link to a comment survey that could be used to provide feedback on the updated draft Plans were also posted on the website.

At the forum, residents could review a draft of each Plan; meet with representatives from the counties, the participating jurisdictions, and the Consultant; ask any questions; and provide verbal and/or written comments on the updated draft Plans. Individuals attending the public forum were provided with a three-page handout summarizing the planning process and a comment sheet that could be used to provide feedback on the updated draft Plans. **Appendices G and H** contain copies of these materials.

Public Comment Period

After the public forum, the updated draft Plans were made available for public review and comment through November 2, 2023 at the Tri-County Regional Planning Commission's Office and on the Commission's website. A three-page handout summarizing the planning process and a link to a comment survey that could be used to provide feedback on the updated draft Plans were also posted on the website. **Appendix H** contains a copy of the online comment survey. Residents were encouraged to submit their comments electronically, by mail or through representatives of the Committee.

Results of Outreach Strategy

The public involvement strategy implemented during the planning process created a dialogue among participants and interested residents, which resulted in many benefits, a few of which are highlighted below.

- *Acquired additional information about natural hazards.* Verifiable hazard event and damage information was obtained from participants that presents a clearer assessment of the extent and magnitude of natural hazards that have impacted each County. This information included details about thunderstorms with damaging winds, severe winter storms, tornadoes, and floods not available from state and federal databases.
- *Obtained critical facilities damage information.* Data collection surveys soliciting information about critical facilities damaged by natural hazards were used to supplement information obtained from government databases. This information was vital to the preparation of the vulnerability analysis.
- *Increased awareness of the impacts associated with natural hazard events within the County.* Understanding how mitigation actions can reduce risk to life and property helped generate **over 60 new mitigation projects and activities** at the local level that had not been previously identified in any other planning process.

2.3 PARTICIPATION OPPORTUNITIES FOR INTERESTED PARTIES

Businesses, schools, not-for-profit organizations, neighboring counties, and other interested parties were provided multiple opportunities to participate in the planning process. Wide-reaching applications were combined with direct, person-to-person contacts to identify anyone who might have an interest or possess information which could be helpful in updating the Plan.

Agricultural Community

Representatives from the agricultural community were invited to serve on the Committee through the Tazewell County and Woodford County Farm Bureaus and the Tazewell County Soil and Water Conservation District. The Farm Bureaus both served as technical partners on the Planning Committee, receiving all electronic communications including surveys, meeting announcements, and meeting handouts to provide their members and providing input into the planning process.

Education

The Mason, Tazewell, Woodford Regional Office of Education and the Tazewell-Mason Counties Special Education Association were contacted about serving on the Committee as technical partners representing the school districts in the area and providing input into the planning process and coordinating with the districts. While invited to participate directly, only the East Peoria

Community High School District #309 chose to be included as a participating jurisdiction in the Plan update. While Illinois Central College was invited to participate in the planning process, they chose not to be a participating jurisdiction.

Healthcare

Input was sought from the healthcare community. Representatives from the Tazewell County and Woodford County Health Departments, Snyder Village, and Fondulac Rehabilitation & Health Care Center were contacted about serving on the Committee and received all electronic communications including surveys, meeting announcements, and meeting handouts.

Regional Planning

The Tri-County Regional Planning Commission assisted in the Plan update and served on the Committee, providing input into the planning process and chose to be included as a participating jurisdiction in the Plan update.

Social Service Agencies

American Red Cross, Empowering People. Inspiring Capabilities (EP!C), the Association for the Developmentally Disabled of Woodford County (ADDWC), Pekin Housing Authority, Tazewell County Resources Center, Bridgeway, and the Woodford County Housing Authority were invited to provide input into the planning process and received all electronic communications including surveys, meeting announcements, and meeting handouts. The American Red Cross, EP!C, and ADDWC served as technical partners on the Committee.

Utilities

Utility companies serving the area were also invited to participate in the Plan update. Representative from the Greater Peoria Sanitary District, East Peoria Sanitary District, and Ameren Illinois were invited to serve served as technical partners on the Committee and provided input into the planning process. The Senior Emergency Response Specialist for Ameren Illinois again provided infrastructure damage information not available in state or federal databases that provides a glimpse into the scope of the damages that have be sustained to infrastructure from natural hazard events in the region.

Other Government Entities

The Pekin Park District, East Peoria Drainage & Levee District, and National Weather Service (NWS) Weather Forecast Office in Lincoln were contacted and invited to participate on the Committee. The Park District and the Levee District both chose to be included as a participating jurisdiction in the Plan update and the NWS served as a technical partner on the Committee.

Neighboring Counties

A memo was sent to EMA/ESDA coordinators in the neighboring counties inviting them to participate in the mitigation planning process. The counties contacted included Fulton, LaSalle, Livingston, Logan, Marshall, Mason, McLean, and Peoria. **Appendix I** contains a copy of the invitation memo.

2.4 IDENTIFICATION OF EXISTING CAPABILITIES

Each participating jurisdiction has a unique set of capabilities and resources available to accomplish hazard mitigation and reduce long-term vulnerabilities to hazard events. In order to identify these existing capabilities and resources, a Capability Assessment was conducted. The Capability Assessment helps determine the ability of the participating jurisdictions to implement the Mitigation Strategy and to identify potential opportunities for establishing or enhancing specific mitigation policies, program, or projects. It is important to try and establish which goals and actions are feasible based on an understanding of the organizational capacity of those entities tasked with their implementation. This assessment is designed to provide a general overview of the key capabilities in place for each participating jurisdiction along with their potential effect of loss reduction.

In order to catalog the existing capabilities of each participant, Capability Assessment Worksheets were distributed to each of the participating jurisdictions at the first Committee meeting on January 31, 2023. The worksheets requested information on four primary types of capabilities: planning and regulatory; administrative and technical; financial; and education and outreach. The following provides a brief description of each capability type.

Planning & Regulatory Capabilities: Planning and regulatory capabilities are based on the implementation of existing plans, policies, codes, ordinances, resolutions, local laws, and programs that prevent or reduce the impacts of hazards and guide and manage growth and development.

Administrative & Technical Capabilities: Administrative and technical capabilities are based on the available staff and personnel resources as well as their related skills and tools that can be used to develop and implement mitigation actions, policies, and programs.

Financial Capabilities: Financial capabilities include those resources a jurisdiction has access to or is eligible to use to implement mitigation actions, policies, and programs.

Education & Outreach Capabilities: Education and outreach capabilities include programs and methods already in place that could be used to support implementation of mitigation actions and communicate hazard-related information.

Figures PP-3 through PP-14 summarize the results of the Capability Assessment by participating jurisdiction type (i.e., county/municipalities, schools, drainage & levee districts, park districts, etc.) A capability level of “Limited”, “Moderate” or “High” was assigned by capability type to each participating jurisdiction based on the number of available capabilities and resources as well as the jurisdiction’s size/area served. **Figure PP-15** summarizes the individual capability levels by capability type and provides an overall capability ranking for each participant.

This assessment provides a consolidated inventory of existing plans, ordinances, programs, and resources in place. Whenever applicable, these existing capabilities were reviewed and incorporated into the Plan.

Highlights from the Capability Assessment include:

- ❖ The County and all of the municipalities have building codes and zoning ordinances in place.
- ❖ The County and all of the municipalities, with the exception of Creve Coeur, have comprehensive/master plans in place.
- ❖ Only the County and Pekin have continuity of operations plans in place.

The County, Creve Coeur, East Peoria, East Peoria Community High School District #309, Morton, Pekin, Pekin Park District, Tri-County Regional Planning Commission, Tremont, and Washington are fortunate to have the resources and abilities to potentially expand on and improve the existing policies and programs identified. East Peoria D&LD has more limited resources and abilities to expand on and improve the existing policies and programs identified. The lack of legal authority and policies/programs currently in place, may hamper its ability to expand and strengthen existing policies and programs. Their fiscal and staffing situations are also limited.

Overcoming these limitations will require time and a range of actions including, but not limited to improved general awareness of natural hazards and the potential benefits that may come from the development of new standards in terms of hazard loss prevention and the identification of resources available to expand and improve existing policies and programs should the opportunity arise.

Many of the participating jurisdictions have actively sought and received assistance from the Tri-County Regional Planning Commission and Greater Peoria Economic Development Council as well as technical assistance from the Tazewell County Community Development Department to develop and maintain a wide array of plans, programs and ordinances. All but one of the participating municipalities has a comprehensive plan in place. The County and all of the participating municipalities have enacted building codes.

Based on conversations with Committee members, none of the jurisdictions that participated in the 2019 Plan update have incorporated it into other planning mechanisms within their jurisdictions. However, several of the participating jurisdictions, including East Peoria, Tremont, and Washington are in the process or have identified the need to adopt, review, and/or strengthen current policies or programs in the near future that will allow for the opportunity to integrate the Plan into these mechanisms.

2.5 REVIEW & INCORPORATION OF EXISTING PLANS

The existing plans, studies, reports, technical information, and maps that were reviewed and incorporated into the Plan update, where appropriate, can be found in Section 7.0 References and are cited in each appropriate section.

A review of local plans revealed that while the County, East Peoria, Morton, and Pekin have comprehensive/land use plans, they have not been updated since the 2019 Plan update was completed with the Tremont and Washington. Tremont, in collaboration with the TCRPC, prepared a comprehensive plan for the Village in 2022. While hazard mitigation planning principles were not specifically incorporated into its development, it does identify as an objective the effective management of infrastructure to meet the needs of the community.

Washington completed an update of its comprehensive plan in 2023. Several of the tasks related to adopting smart growth policies incorporate hazard mitigation planning principles including Task 2.1.2 Protect hydrological patterns wherever possible in order to manage stormwater; Sub-task 2.1.2.1 Add low-impact and light imprint stormwater management options to the Subdivision Code; and Sub-task 2.1.2.2 Develop a process that allows citizens to volunteer their home or business for low-impact and light imprint stormwater management applications. In addition, the updated comprehensive plan incorporated the City's 2022 Stormwater Master Plan which includes a prioritized list of projects. The City used this list to inform its decision-making about mitigation actions to include in the updated Mitigation Strategy section of this Plan.

Figure PP-3
County / Municipalities – Planning & Regulatory Capabilities

Capability Type	County/Municipality						
	Tazewell County	Creve Coeur	East Peoria	Morton	Pekin	Tremont	Washington
Plans, Policies, Codes & Ordinances							
Comprehensive/Master Land Use Plan	X		X	X	X	X	X
Continuity of Operations Plan	X				X		
Stormwater Management Plan	X	X					X
Transportation Plan	X		X	X	X		X
Economic Development Plan	X		X		X		X
Emergency Operations Plan	X	X	X		X		
Disaster Recovery Plan	X						
Threat & Hazard Identification Risk Assessment (THIRA) - County Only	X						
Infrastructure Maps		X	X	X	X	X	X
Building Codes	X	X	X	X	X	X	X
Floodplain Ordinance	X	X	X	X	X	X	X
Stormwater Ordinance	X	X	X	X	X		X
Zoning Ordinance	X	X	X	X	X	X	X
Subdivision Ordinance	X	X	X	X	X	X	X
Historic Preservation Ordinance		X			X		X
Private Sewage Disposal System Ordinance - County Only							
Manufactured/Mobile Home Tie Down Ordinance	X		X	X	X		X
Steep Slope Ordinance			X				
Mined Areas/Developed Over Mined Areas Ordinance							
National Incident Management System (NIMS) Adoption	X			X	X		
National Flood Insurance Program (NFIP) Participation	X	X	X	X	X	X	X
Community Rating System (CRS) Participation							
Level of Capability	M/H	M	M	M	H	L/M	M

An "X" indicates that the item is currently in place and being implemented.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-4 County / Municipalities – Administrative & Technical Capabilities							
Capability Type	County/Municipality						
	Tazewell County	Creve Coeur	East Peoria	Morton	Pekin	Tremont	Washington
Administrative & Technical							
Zoning Board	X	X	X	X	X	X	X
Public Utility Board							
Planning Commission	X		X	X	X	X	X
Mutual Aid Agreements	X	X	X	X	X	X	X
Administrator/Manager	X		X	X	X		X
Building Inspector/Officer	X	X	X	X	X	X	X
Community/Economic Development Planner	X		X		X		X
Emergency Manager	X		X		X		
Engineer/Construction Project Manager	X	X	X	X	X	X	X
GIS Coordinator	X		X	X		X	X
Grant Administrator/Writer			X				
Fire Chief - Municipalities Only		X	X	X	X		X
Floodplain Administrator	X		X	X			X
Police Chief - Municipalities Only		X	X	X	X	X	X
Public Works/Streets Director - Municipalities Only		X	X	X	X	X	X
Water Superintendent - Municipalities Only		X	X	X		X	X
Zoning Officer/Administrator	X		X	X	X	X	X
Solid Waste Director - County Only	X						
Level of Capability	H	M	H	M/H	M	M	H

An "X" indicates the presence of staff with specified knowledge or skills.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-5 County / Municipalities – Financial / Education & Outreach Capabilities							
Capability Type	County/Municipality						
	Tazewell County	Creve Coeur	East Peoria	Morton	Pekin	Tremont	Washington
Financial							
Roadway/Bridge Improvement Plan - County Only							
Capital Improvements Program	X	X	X	X			X
Tax Levies for Special Purposes	X	X	X		X	X	X
Motor Fuel Tax	X	X	X	X	X	X	X
General Obligation Bonds and/or Special Tax Bonds	X		X		X	X	X
Utility Fees (Stormwater, Sewer, Water, Gas, or Electric Service)		X	X	X	X	X	X
Impact Fees - New Development				X		X	X
Federal Funding Programs (Non-FEMA)	X		X	X	X	X	X
Level of Capability	M	M	H	M	M	H	H
Education & Outreach							
StormReady Certification	X						
Natural Disaster/Safety-Related School Programs			X				
Ongoing Public Education or Information Programs (Fire Safety, Household Preparedness, Responsible Water Use)	X	X	X		X		X
Seasonal Outreach	X				X		X
Local Citizen Groups/Non-Profit Organizations (Emergency Preparedness, Access & Functional Needs Populations)	X		X		X		X
Public-Private Partnership Initiatives Addressing Disaster-Related Issues	X				X		X
Level of Capability	H	L	M	L	M/H	L	M/H

An "X" indicates a given resource is locally available for mitigation purposes.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-6 Schools – Planning & Regulatory / Administrative & Technical Capabilities	
Capability Type	School
	East Peoria CHSD 309
Plans & Policies	
Comprehensive/Master Facilities Plan	
Continuity of Operations Plan	
Strategic Plan	X
Emergency/Crisis Response Plan	X
National Incident Management System (NIMS) Adoption	
Level of Capability	L
Administrative & Technical	
Board of Education	X
Mutual Aid Agreements	X
Superintendent	X
Principal(s)	X
Chief Financial Officer/Finance Director	
Food Services Supervisor	X
Grant Writer	
Health Care Supervisor	X
IT Director/Specialist	X
Maintenance Manager	X
Communications Director	
Operations Manager	X
Safety & Security Director	X
Transportation Director	X
Level of Capability	M/H

An "X" indicates that the item is currently in place and being implemented or the presence of staff with specified knowledge or skills.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-7 Schools – Financial / Education & Outreach Capabilities	
Capability Type	School
	East Peoria CHSD 309
Financial	
Capital Improvements Program	X
Tax Levies for Special Purposes	X
General Obligation Bonds and/or Special Tax Bonds	X
Federal Funding Programs (Non-FEMA)	
Level of Capability	M
Education & Outreach	
StormReady Certification	
Natural Disaster/Safety-Related School Programs	X
Ongoing Public Education or Information Programs (Fire Safety, Household Preparedness, Responsible Water Use)	X
Seasonal Outreach	
Public-Private Partnership Initiatives Addressing Disaster-Related Issues	
Level of Capability	L/M

An "X" indicates a given resource is locally available for mitigation purposes.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-8 Drainage & Levee Districts – Planning & Regulatory / Administrative & Technical Capabilities	
Capability Type	D&LD
	East Peoria D&LD
Plans & Policies	
Strategic/Tactical Plan	
Maintenance/Improvement Plan	X
Emergency/Crisis Response Plan	X
Continuity of Operations Plan	
National Incident Management System (NIMS)	
Level of Capability	L
Administrative & Technical	
Governing Board of Commissioners	X
Mutual Aid Agreements	X
Executive Director	
Superintendent	
Secretary/Administrative Assistant	
Treasurer	
Level of Capability	L

An "X" indicates that the item is currently in place and being implemented or the presence of staff with specified knowledge or skills.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-9 Drainage & Levee Districts – Financial / Education & Outreach Capabilities	
Capability Type	D&LD
	East Peoria D&LD
Financial	
Capital Improvements Program	X
Tax Levies for special purposes	
General Obligation Bonds and/or Special Tax Bonds	
Federal Funding Programs (Non-FEMA)	
Level of Capability	L
Education & Outreach	
Natural Disaster/Safety-Related Campus Programs	
Ongoing Education or Information Programs (Household Preparedness, Environmental Education, etc.)	
Seasonal Outreach	
Public-Private Partnership Initiatives Addressing Disaster-Related Issues	
Level of Capability	L

An "X" indicates a given resource is locally available for mitigation purposes.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-10 Park Districts – Planning & Regulatory / Administrative & Technical Capabilities	
Capability Type	Park Pekin Park District
Plans & Policies	
Strategic/Framework Plan	X
Comprehensive/Master Plan	
Trails Plan	X
Land Acquisition Plan	
Annual Plan	
Emergency Management/Operations Plan	
Continuity of Operations Plan	
Disaster Recovery Plan	
Inclement Weather Policy	X
General Use Ordinance	X
Budget & Appropriations Ordinance	X
National Incident Management System (NIMS) Adoption	
Level of Capability	L/M
Administrative & Technical	
Board of Commissioners/Trustees	X
Mutual Aid Agreements	X
Executive Director	X
Superintendent of Recreation	X
Superintendent of Parks	X
Director of Business Services	X
Director of Program Services	
Director of Golf	X
Chief of Park District Police	X
Safety & Training Coordinator	
Recreation Program Manager	X
Level of Capability	H

An "X" indicates that the item is currently in place and being implemented or the presence of staff with specified knowledge or skills.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-11 Park Districts – Financial / Education & Outreach Capabilities	
Capability Type	Park
	Pekin Park District
Financial	
Capital Improvements Program	X
Tax Levies for Special Purposes	X
General Obligation Bonds and/or Special Tax Bonds	X
Endowments/Bequests	X
Federal Funding Programs (Non-FEMA)	X
Level of Capability	H
Education & Outreach	
Natural Disaster/Safety-Related School Programs	
Ongoing Public Education or Information Programs (Fire Safety, Household Preparedness, Responsible Water Use)	
Seasonal Outreach	
Public-Private Partnership Initiatives Addressing Disaster-Related Issues	
Level of Capability	L

An "X" indicates a given resource is locally available for mitigation purposes.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-12 Regional Planning Commissions – Planning & Regulatory Capabilities	
Capability Type	Planning
	Tri-County Regional Planning Commission
Plans & Policies	
Strategic Plan	X
Long Range Transportation Plan (LRTP) / Metropolitan Transportation Plan (MTP)	X
Transportation Improvement Program (TIP)	X
Previously Obligated Projects	X
Public Participation Plan	X
Title VI Program	X
Business Continuity Plan	X
Annual Plan/Report	X
Level of Capability	H

An "X" indicates that the item is currently in place and being implemented.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-13 Regional Planning Commissions – Administrative & Technical Capabilities	
Capability Type	Planning
	Tri-County Regional Planning Commission
Administrative & Technical	
Board of Commissioners	X
Executive Board/Committee	X
Ways and Means Committee	X
Technical Committee	X
Executive Director	X
Office Administrator	X
Community Planning Director	
Economic Development Director	
Environmental Planning Director	
Fiscal Director	X
IT/GIS Director	
Program Director	X
Transportation Planning Director	
Community Planner	X
Economic Development Planner	
Environmental Planner	
GIS Specialist	X
Housing Support Specialist	
Land Use Planner	X
Transportation Planner	X
Human Service Transportation Coordinator	X
Grant Administrator	
Level of Capability	M

An "X" indicates the presence of staff with specified knowledge or skills.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

Figure PP-14 Regional Planning Commissions – Financial / Education & Outreach Capabilities	
Capability Type	Planning Tri-County Regional Planning Commission
Financial	
Unified Planning Work Program (UPWP)	X
Annual Budget & Work Plan	X
Private Grant Opportunities	X
Local Contributions	X
State Funding Programs	X
Federal Funding Programs (Non-FEMA)	X
Level of Capability	H
Education & Outreach	
Natural Disaster/Safety-Related School Programs	
Ongoing Public Education or Information Programs (Fire Safety, Household Preparedness, Responsible Water Use)	X
Monthly Newsletters	X
Seasonal Outreach	X
Public-Private Partnership Initiatives Addressing Disaster-Related Issues	
Level of Capability	M

An "X" indicates a given resource is locally available for mitigation purposes.

Level of Capacity: "L" = Limited; "M" = Moderate; "H" = High

**Figure PP-15
Capability Rankings by Participating Jurisdiction**

	Tazewell County	Creve Coeur	East Peoria	Morton	Pekin	Tremont	Washington	East Peoria CHSD 309	East Peoria D&LD	Pekin Park District	Tri-County Regional Planning Commission
Planning & Regulatory	M/H	M	M	M	H	L/M	M	L	L	L/M	H
Administrative & Technical	H	M	H	M/H	M	M	H	M/H	L	H	M
Financial	M	M	H	M	M	H	H	M	L	H	H
Education & Outreach	H	L	M	L	M/H	L	M/H	L/M	L	L	M
Overall Capability	M/H	M	M/H	M	M/H	M	M/H	M	L	M/H	M/H

Level of Capacity: "L" = Limited; "M" = Moderate; "H" High

3.0 RISK ASSESSMENT

Risk assessment is the process of evaluating the vulnerability of assets in order to estimate the potential loss of life, personal injury, economic loss, and property damage resulting from natural and man-made hazards. Assets are determined by each participant and can include people; structures (i.e., critical facilities, lifelines, and infrastructure); systems (i.e., networks such as electrical and communications, etc.); and natural, historic, and cultural resources). This section summarizes the results of the risk assessment conducted on the natural and man-made hazards in Tazewell County. The information contained in this section was gathered by evaluating local, state, and federal records from the last 20 to 70 years.

This risk assessment identifies the natural and man-made hazards deemed most important to the Planning Committee and includes a profile of each hazard that identifies past occurrences, the severity or extent of the events, and the likelihood of future occurrences. It also provides a vulnerability analysis that identifies the impacts to public health and property, evaluates the assets of the participating jurisdictions and estimates the potential impacts each natural hazard would have on the evaluated assets. Where applicable, the differences in vulnerability between participating jurisdictions are described.

The subsequent sections provide detailed information on each of the selected natural hazards. The sections are color coded and ordered by the frequency with which the natural hazard has previously occurred within the County. Each natural hazard section contains three subsections: hazard identification, hazard profile, and hazard vulnerability.

Hazard Selection

One of the responsibilities of the Committee was to review the natural hazards detailed in the previous Plan and decide if additional hazards should be included in the Plan update. Over the course of the first two meetings, the Committee members discussed their experiences with natural and man-made hazard events and reviewed information on various hazards. After discussing the information provided, the Committee chose not to add any additional hazards to this Plan update.

The following identifies the hazards included in the Plan update:

- ❖ severe storms (thunderstorms, hail, lightning & heavy rain)
- ❖ severe winter storms (snow & ice)
- ❖ floods (riverine & flash)
- ❖ tornadoes
- ❖ excessive heat
- ❖ extreme cold
- ❖ drought
- ❖ landslides
- ❖ earthquakes
- ❖ mine subsidence
- ❖ dam failures
- ❖ levee failures
- ❖ man-made hazards including:
 - hazardous substances (generation, transportation & storage/handling)
 - waste disposal
 - hazardous materials incidents
 - waste remediation
- ❖ terrorism

Risk Priority Index

After reviewing the preliminary results of the risk assessment at the second meeting, Committee members and the participating jurisdictions were asked to complete a Risk Priority Index (RPI)

exercise for the hazards that have the potential to impact the County and participating jurisdictions. The RPI provides quantitative guidance for ranking the hazards and offers participants with another tool to determine which hazards present the highest risk and therefore which ones to focus on when formulating mitigation actions.

Each hazard was scored on three categories: 1) frequency, 2) impacts on life and health, and 3) impacts on property and infrastructure. A scoring system was developed that assigned specific factors to point values ranging from 1 to 4 for each category. For those hazards that were not applicable to a particular jurisdiction, a value of “NA” was assigned to each category. The higher the point value, the greater the risk associated with that hazard. **Figure R-1**, located at the end of this section, identifies the factors and values/point values associated with each category. Participants were asked to score the selected hazards based on the perspective of the entity they represented on the Committee.

The Consultant took the point values assigned to each category and averaged the remaining results and came up with an overall value for each category. The values for each category were then added together to calculate an RPI score for each hazard. A ranking was then assigned to each hazard based on the RPI score. **Figure R-2**, located at the end of this section, provides the hazard rankings for the participating jurisdictions.

FEMA’s National Risk Index

The National Risk Index (NRI) is an online mapping and data-based interface that helps illustrate a community’s risk to 18 identified natural hazards. The natural hazards identified by the NRI and included in this Plan are cold wave, drought, earthquake, hail, heat wave, ice storm, landslides, lightning, riverine flooding, strong wind, tornado, and winter weather. The NRI leverages available source data for natural hazard and community risk factors, such as social vulnerability and community resilience, to develop a baseline relative risk measurement for each county and census tract in the U.S. The goal is to help individuals better understand the natural hazard risk of their communities.

In the NRI, risk is defined as the potential for negative impacts as a result of a natural hazard. The risk equation behind the NRI includes three components: a natural hazards risk component (expected annual loss), a consequence enhancing component (social vulnerability), and a consequence reduction component (community resilience). Social vulnerability represents the susceptibility of social groups to the adverse impacts of natural hazards. Community resilience represents the ability of a community to prepare for anticipated natural hazards, adapt to changing conditions, and withstand and recover rapidly from disruptions.

The scores and ratings generated by the NRI describe a county’s or census tract’s relative position among all other U.S. counties and census tracts for a given component. Dataset Update Version 1.19.0 released March 2023 was used in this analysis. Scores can range from 0 (the lowest possible value) to 100 (the highest possible value). For every score there is assigned one of five qualitative ratings: “Very Low”, “Relatively Low”, “Relatively Moderate”, “Relatively High”, and “Very High.” Because all ratings are relative, there are no specific numeric values that determine the rating.

In order to provide the participating jurisdictions and public with additional information on the natural hazards included in the Plan, **Figure R-3** located at the end of this section, presents the overall NRI scores and ratings for each census tract as well as for the County. 2020 census tract information was used in this version of the NRI. . In 2020, there were 30 census tracts in Tazewell County. Only one of the census tracts has a Risk Index rating of “Relatively High”. Twelve census tracts have a Risk Index rating of “Relatively Moderate” while the rest of the census tracts have a Risk Index rating of “Relatively Low” or “Very Low”. One of the census tracts have a Social Vulnerability rating of “ Relatively High” while eight of the census tracts have a Social Vulnerability rating of “Relatively Moderate”. The remaining census tracts have a Social Vulnerability rating of “Relatively Low” or “Very Low”.

Figure R-4, located at the end of this section, provides the NRI scores and ratings by hazard type for each census tract as well as the County. Hazard ratings of “Relatively High” and “Very High” are highlighted in yellow by census tract. The hazards with the highest relative ratings include hail, lightning, strong winds, extreme cold, excessive heat, and tornadoes.

Critical Facilities & Infrastructure

Critical facilities and infrastructure include structures, lifelines, systems, networks, and institutions that are critical for life, safety, and economic viability and necessary for a community’s response to and recovery from emergencies. The loss of function of any of these assets can intensify the severity of the impacts and speed of recovery associated a hazard event. Critical facilities and infrastructure may include, but are not limited to, the following:

- ❖ **Essential Facilities:** Facilities essential to the health and welfare of the whole population including hospitals and other medical facilities, police and fire stations, emergency operations centers, evacuation shelters, and schools.
- ❖ **Government Facilities:** Facilities associated with the continued operations of government services such as courthouses, city/village halls, township buildings, and highway/maintenance centers.
- ❖ **Infrastructure Systems:** Infrastructure associated with drinking water, wastewater, transportation (roads, railways, waterways), communication systems, electric power, natural gas and oil.
- ❖ **Housing Facilities:** Facilities that serve populations that have access and function needs such as nursing homes, skilled and memory care facilities, residential group homes, and day care centers.
- ❖ **High Potential Loss Facilities:** Facilities that would have an impact or high loss associated with them if their functionality is compromised such as nuclear power plants, dams, levees, military installations and facilities housing industrial or hazardous materials.
- ❖ **Gathering Places:** Facilities such as parks, libraries, community centers, and churches.

As part of the planning process each participating jurisdiction reviewed and/or completed a questionnaire identifying the critical facilities and infrastructure located within their jurisdiction, both publicly and privately-owned. **Figure R-5**, located at the end of this section, identifies the number of critical facilities and infrastructure located in each participating jurisdiction for select categories. Identifying these assets makes local leaders more aware of the critical facilities and

infrastructure located within their jurisdictions and helps them make informed choices on how to better protect these key resources.

While considered a “local government entity” for planning purposes, East Peoria Community High School District (CHSD) #309, East Peoria Drainage & Levee District (D&LD), Pekin Park District, and Tri-County Regional Planning Commission (TCRPC) do not have an extensive inventory of assets to consider when conducting the risk assessment.

Since the assets for these local government entities are located within a participating municipality, with the exception of the TCRPC, and are a subset of these municipalities’ critical facilities, their risk is considered to be the same or similar to the risk experienced by the municipalities for those hazards that either impact the entire planning area or can occur at any location within the planning area (i.e., severe storms, severe winter storms, etc.). For those hazards where the risk varies from the risk facing the municipalities, a separate narrative assessment will be provided under the appropriate hazard’s vulnerability subsection.

While TCRPC covers both Tazewell and Woodford Counties, its critical facilities are located in the City of Peoria in Peoria County. Peoria’s risk is considered to be the same or similar to the risk experienced by the participating municipalities and the County for those hazards that either impact the entire planning area or can occur at any location within the planning area (i.e., severe storms, severe winter storms, etc.). For those hazards where the risk to the TCRPC critical facilities varies from the risk facing planning area (i.e., the County), a separate narrative assessment will be provided under the appropriate hazard’s vulnerability subsection. For a detailed analysis of Peoria’s risk, see the 2023 Peoria County Multi-Jurisdiction Multi- Hazard Mitigation Plan.

Critical Facilities Vulnerability Survey

The participating jurisdictions were also asked to complete a Critical Facilities Vulnerability Survey at the third meeting to assist them in creating problem statements summarizing the consequences and/or effects the studied hazards have on their assets. The Survey asked participants to describe their jurisdiction’s greatest vulnerabilities to natural hazards and which assets they felt have the greatest vulnerabilities and the hazards they are most vulnerable to. This information is summarized under the appropriate hazard’s vulnerability subsection.

Future Conditions

While we cannot predict with certainty what the weather of the future will look like, we can use models to help us make sense of the patterns we have seen in the past and to use that information to predict what events will be more likely to occur going forward.

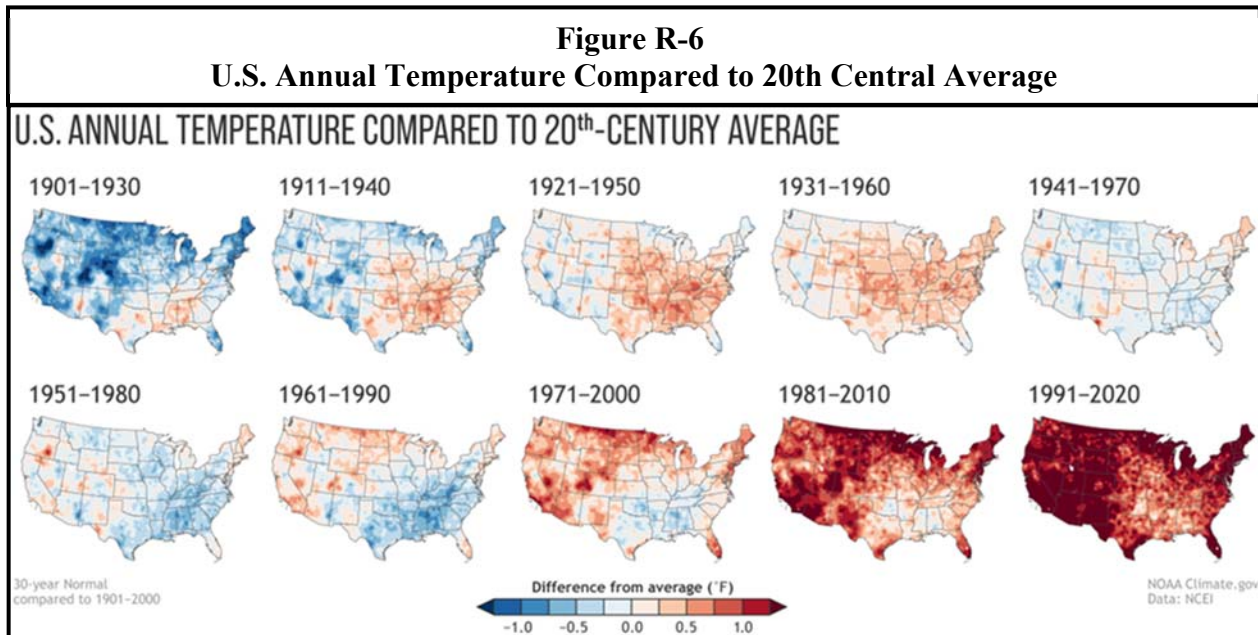
By looking at data from previous weather conditions and taking into account trends in that data that have emerged over time, we can with some degree of accuracy project what weather may look like in the future. It is important to consider that nearer term predictions have the greatest likelihood of accuracy since they require the least extrapolation and guesswork; however, this does not mean that longer term predictions are not plausible or not useful. Often, having a prediction that is even partly right is preferable to having no guide at all. By coming up with best case and worst case scenarios, even if neither is terribly likely, we can gain a better understanding of the range of potential outcomes and a good idea of what the most probable outcomes might look like.

Earth’s weather and climate have always been variable. Over time, sea levels have risen and fallen, glaciers have advanced and retreated, and droughts, floods, wildfires, and storms have periodically upended the notion of “normal”. In recent years in the U.S., there have been several trends observed in weather patterns that offer us some insight as to what the near future may hold. Broadly, these likely changes can be referred to as “future conditions”. They include more general seasonal trends as well as more specific weather pattern trends.

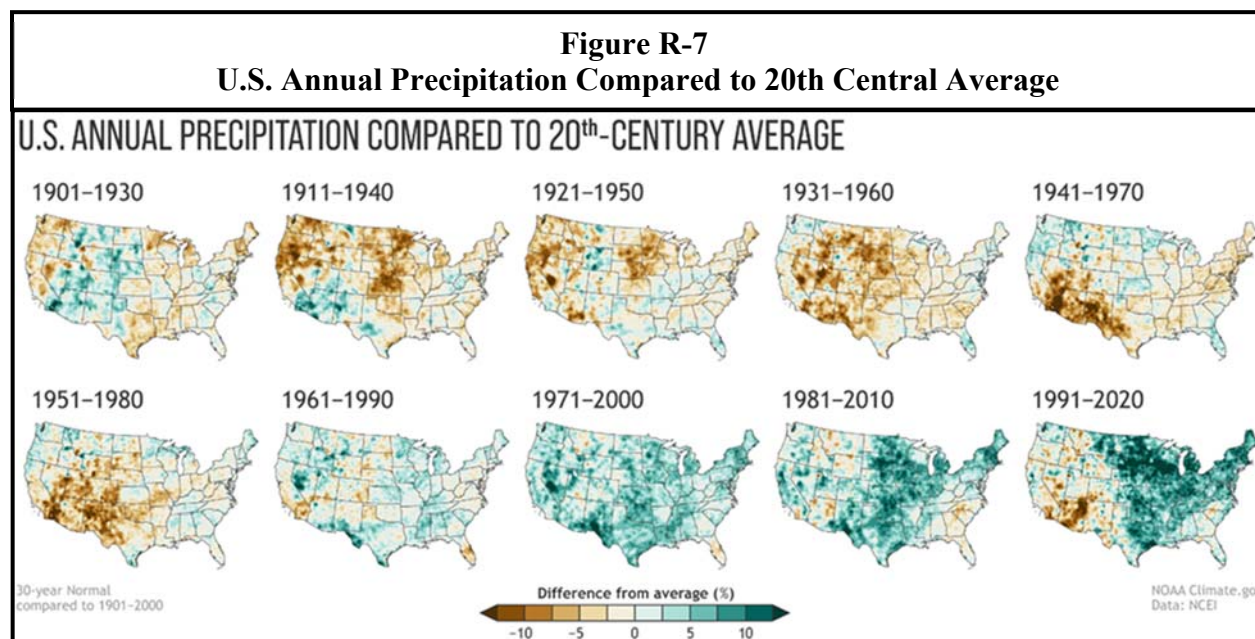
In recent decades we have seen both earlier springs (earlier last frost dates) and later winters (later first frost dates) in the U.S. Taken together, these two changes mean that winters are likely to be shorter and milder, and summers are likely to be longer and hotter across much of the continental U.S. than they were historically. In combination, shorter, milder winters and longer, more intense summers have resulted in an observed increase in average annual temperature.

As with any change that occurs gradually, the difference can be difficult to perceive if the time frame you are looking at is small. Additionally, smaller windows of time are more likely to be skewed by rare occurrences or anomalies. Looking at longer time frames allows us to see the big picture, putting highly unusual years into context by averaging them out with other more typical years. Looking at consecutive 30-year period averages called “Normals” allows us to detect how what is average (or ‘normal’) has shifted over time.

Figure R-6 shows U.S. annual temperature compared to 20th-century averages. By looking at 30 Year Normals for average annual temperature compared to overall 20th century averages, a trend of increasing annual temperature is particularly apparent in the final three 30 year periods. (1971-2000, 1981-2010, 1991-2020). Since these are average annual temperatures, even a small difference corresponds to larger temperature changes recorded within a year.



Also observed have been changes in when, where, and how much precipitation occurs across the U.S. **Figure R-7** shows U.S. annual precipitation compared to 20th-century averages. For some areas of the Country, this has resulted in increases in overall precipitation. The Midwestern U.S. has been on average getting progressively wetter in 30 year rolling averages from the period of 1951-1980 onwards; elsewhere, it has resulted in decreases, such as in much of the Western and Southwestern US, which has been getting drier since the period of 1971-2000 onwards.



Trends also reveal an uptick in the frequency and severity of hazardous weather events. While this is in part due to better record-keeping and a higher number of people and monitoring devices to witness hazardous events in order to report them, this trend is at least in part due to warmer bodies of air that tend to “supercharge” summer storm systems, making them more likely to produce severe weather events.

Specific information on future conditions is summarized under the appropriate hazard’s probability subsection.

**Figure R-1
Risk Priority Index Scoring System**

Category	Factors	Value	Point Value
Hazard Frequency	An event is likely to occur in the next 1 to 3 years.	High	3
	An event is possible in the next 3 to 10 years.	Moderate	2
	An event is unlikely to occur within the next 10 years.	Low	1
Impacts on Life & Health	While fatalities are unlikely, injuries, some requiring hospitalization, may occur during the event.	High	3
	Minor injuries not requiring hospitalization may occur during the event.	Moderate	2
	Injuries or fatalities are unlikely to occur during the event.	Low	1
Impacts on Property & Infrastructure	- Substantial property damage is likely to occur including damage to infrastructure and critical facilities. AND/OR - Loss of access/operations at infrastructure and critical facilities (i.e., road & school closures, loss of power to drinking water/wastewater treatment facilities, municipal buildings, etc.) is anticipated for a period of time (i.e., a day or more).	High	3
	- Some minor property damage is anticipated (i.e., shingles & siding torn off homes, windows broken, etc.) but no significant damage to infrastructure or critical facilities is anticipated. AND/OR - Loss of access/operations to infrastructure and critical facilities is anticipated but only for a short period of time (i.e., up to a couple hours).	Moderate	2
	- Property damage is likely to be negligible and no loss of access/operations is anticipated at any infrastructure/critical facilities during the event.	Low	1

Figure R-2
Risk Priority Index Hazard Ranking by Participating Jurisdiction
(Sheet 1 of 2)

Hazard	Hazard Ranking by Participating Jurisdiction						
	Tazewell County	Creve Coeur	East Peoria	Morton	Pekin	Tremont	Washington
Dam Failures	18	n/a	15/16/17	n/a	2/3	15/16/17/18	11/12/13
Drought	13/14/15	15	15/16/17	10/11	14/15/16	13	14
Earthquakes	16/17	16	18	12/13/14/15	4/5/6/7/8/9	8/9/10	15
Excessive Heat	7/8	8/9/10/11	11/12/13	6/7/8/9	10/11/12/13	4/5/6/7	2/3/4
Extreme Cold	7/8	8/9/10/11	5/6/7/8/9/10	6/7/8/9	4/5/6/7/8/9	4/5/6/7	5/6/7
Floods	3/4	2	3/4	2/3/4/5	10/11/12/13	14	2/3/4
Hail	5/6	13/14	5/6/7/8/9/10	6/7/8/9	14/15/16	4/5/6/7	5/6/7
HazMat Incidents: Fixed Facility	13/14/15	12	5/6/7/8/9/10	12/13/14/15	10/11/12/13	11/12	11/12/13
HazMat Incidents: Transportation	10	3	5/6/7/8/9/10	2/3/4/5	10/11/12/13	11/12	11/12/13
Heavy Rain	9	4/5	11/12/13	2/3/4/5	4/5/6/7/8/9	8/9/10	8/9/10
Landslides	11/12	8/9/10/11	11/12/13	12/13/14/15	17	15/16/17/18	16
Levee Failures	13/14/15	n/a	5/6/7/8/9/10	n/a	18	15/16/17/18	n/a
Lightning	5/6	13/14	3/4	6/7/8/9	14/15/16	2/3	8/9/10
Mine Subsidence	11/12	8/9/10/11	14	n/a	4/5/6/7/8/9	15/16/17/18	n/a
Terrorism	16/17	4/5	2	12/13/14/15	2/3	4/5/6/7	8/9/10
Thunderstorms with Damaging Winds	2	6/7	15/16/17	2/3/4/5	4/5/6/7/8/9	2/3	5/6/7
Tornadoes	1	1	1	1	1	1	1
Winter Storms	3/4	6/7	5/6/7/8/9/10	10/11	4/5/6/7/8/9	8/9/10	2/3/4

Figure R-2
Risk Priority Index Hazard Ranking by Participating Jurisdiction
(Sheet 2 of 2)

Hazard	Hazard Ranking by Participating Jurisdiction			
	East Peoria CHSD 309	East Peoria D&LD	Pekin Park District	Tri-County RPC
Dam Failures	16/17	15/16	11/12/13/14/15/16/17	9/10/11/12
Drought	6/7/8/9/10/11	15/16	10	7/8
Earthquakes	18	11/12/13/14	11/12/13/14/15/16/17	17/18
Excessive Heat	6/7/8/9/10/11	7	4/5/6	9/10/11/12
Extreme Cold	12/13/14/15	8/9/10	9	7/8
Floods	2/3	1	4/5/6	13/14/15
Hail	6/7/8/9/10/11	11/12/13/14	4/5/6	9/10/11/12
HazMat Incidents: Fixed Facility	16/17	17	11/12/13/14/15/16/17	17/18
HazMat Incidents: Transportation	12/13/14/15	11/12/13/14	11/12/13/14/15/16/17	13/14/15
Heavy Rain	12/13/14/15	4	1/2/3	9/10/11/12
Landslides	4/5	11/12/13/14	11/12/13/14/15/16/17	5/6
Levee Failures	12/13/14/15	2	n/a	5/6
Lightning	6/7/8/9/10/11	8/9/10	1/2/3	3/4
Mine Subsidence	4/5	n/a	11/12/13/14/15/16/17	13/14/15
Terrorism	6/7/8/9/10/11	3	11/12/13/14/15/16/17	16
Thunderstorms with Damaging Winds	6/7/8/9/10/11	6	7/8	1/2
Tornadoes	1	5	1/2/3	3/4
Winter Storms	2/3	8/9/10	7/8	1/2

**Figure R-3
National Risk Index Overall Scores/Ratings by Census Tract**

Census Tract No.	Incorporated Municipality Located in Census Tract	Risk Index Score	Risk Index Rating	Social Vulnerability Score	Social Vulnerability Rating	Community Resilience Score	Community Resilience Rating
201	East Peoria	88.09	Relatively High	24.84	Relatively Low	*	*
203.01	East Peoria	54.41	Relatively Low	10.82	Very Low	*	*
203.02	East Peoria	56.84	Relatively Low	26.91	Relatively Low	*	*
204	Creve Coeur	56.08	Relatively Low	26.87	Relatively Low	*	*
205	Creve Coeur, Marquette Heights, North Pekin	54.25	Relatively Low	20.48	Relatively Low	*	*
206	Pekin	14.01	Very Low	13.88	Very Low	*	*
207	North Pekin, Pekin	54.78	Relatively Low	25.50	Relatively Low	*	*
208	Pekin	48.19	Relatively Low	46.40	Relatively Moderate	*	*
209	Pekin	40.03	Relatively Low	47.07	Relatively Moderate	*	*
210	Pekin	60.07	Relatively Low	41.17	Relatively Moderate	*	*
211.01	Pekin	69.95	Relatively Moderate	62.02	Relatively High	*	*
211.02	Pekin	59.78	Relatively Low	43.65	Relatively Moderate	*	*
212.01	East Peoria, Washington	73.48	Relatively Moderate	45.50	Relatively Moderate	*	*
212.02	East Peoria	43.06	Relatively Low	29.18	Relatively Low	*	*
212.03	East Peoria	51.21	Relatively Low	36.00	Relatively Low	*	*
215	East Peoria, Pekin, Morton	77.76	Relatively Moderate	55.22	Relatively Moderate	*	*
216.03	Morton	75.37	Relatively Moderate	24.74	Relatively Low	*	*
216.04	Morton	51.40	Relatively Low	38.09	Relatively Low	*	*
216.05	Morton	28.00	Relatively Low	12.07	Very Low	*	*
216.06	Morton	70.58	Relatively Moderate	35.22	Relatively Low	*	*
217.01	Deer Creek, Goodfield, Mackinaw	64.36	Relatively Moderate	7.71	Very Low	*	*
217.02	Pekin, Tremont	74.42	Relatively Moderate	24.55	Relatively Low	*	*
218.01	Pekin, South Pekin	65.01	Relatively Moderate	49.85	Relatively Moderate	*	*
218.02	---	68.69	Relatively Moderate	11.78	Very Low	*	*
219	Delavan, Green Valley	66.85	Relatively Moderate	9.66	Very Low	*	*
220	Armington, Hopedale, Minier	74.09	Relatively Moderate	40.68	Relatively Moderate		
221	Washington	37.52	Relatively Low	6.08	Very Low	*	*
222	Washington	45.90	Relatively Low	10.77	Very Low	*	*
223	Washington	68.55	Relatively Moderate	28.86	Relatively Low	*	*
224	East Peoria, Washington	51.74	Relatively Low	26.50	Relatively Low	*	*
Tazewell County		82.41	Relatively Low	9.48	Very Low	96.98	Very High

* Community Resilience scores are only available at the county level.

Figure R-4
NRI Hazard Scores/Ratings by Hazard by Census Tract
(Sheet 1 of 2)

Census Tract No.	Incorporated Municipality Located in Census Tract	Severe Storms						Severe Winter Storms				Riverine Floods	
		Hail Score	Hail Rating	Lightning Score	Lightning Rating	Strong Wind Score	Strong Wind Rating	Ice Storm Score	Ice Storm Rating	Winter Weather Score	Winter Weather Rating	Score	Rating
201	East Peoria	97.87	VH	54.34	RM	89.84	RH	76.51	RM	61.18	RM	98.68	VH
203.01	East Peoria	90.94	RH	67.68	RM	75.66	RM	68.90	RL	50.14	RL	75.57	RM
203.02	East Peoria	94.37	RH	76.13	RH	84.17	RH	74.95	RM	57.49	RL	55.32	RL
204	Creve Coeur	94.07	RH	75.60	RH	84.03	RH	74.08	RM	56.55	RL	74.84	RM
205	Creve Coeur, Marquette Heights, North Pekin	92.13	RH	70.92	RM	79.33	RM	69.79	RM	51.45	RL	88.19	RM
206	Pekin	83.25	RM	43.47	RL	56.43	RM	49.16	RL	35.50	RL	40.22	RL
207	North Pekin, Pekin	92.15	RH	69.20	RM	79.67	RM	70.42	RM	52.10	RL	87.71	RM
208	Pekin	92.27	RH	62.34	RM	77.82	RM	67.89	RL	49.73	RL	78.69	RM
209	Pekin	89.61	RH	49.89	RM	68.79	RM	59.76	RL	42.16	RL	86.56	RM
210	Pekin	95.03	RH	77.84	RH	86.66	RH	76.53	RM	59.96	RM	0.00	NR
211.01	Pekin	96.39	RH	85.97	RH	90.70	RH	81.14	RM	66.33	RM	0.00	NR
211.02	Pekin	94.43	RH	80.57	RH	86.42	RH	76.92	RM	60.32	RM	0.00	NR
212.01	East Peoria, Washington	96.97	RH	79.43	RH	90.00	RH	79.87	RM	64.66	RM	88.98	RM
212.02	East Peoria	91.85	RH	60.80	RM	76.01	RM	68.14	RL	49.61	RL	39.25	RL
212.03	East Peoria	91.76	RH	75.57	RH	80.20	RM	73.46	RM	54.96	RL	59.58	RL
215	East Peoria, Pekin, Morton	97.89	VH	88.57	RH	93.42	RH	83.77	RM	70.64	RM	72.82	RM
216.03	Morton	97.81	VH	79.62	RH	91.70	RH	81.42	RM	67.04	RM	80.60	RM
216.04	Morton	94.34	RH	50.97	RM	79.81	RM	68.36	RL	50.60	RL	60.68	RL
216.05	Morton	88.65	RM	52.47	RM	66.32	RM	60.04	RL	41.97	RL	42.74	RL
216.06	Morton	96.26	RH	82.70	RH	89.51	RH	80.10	RM	64.64	RM	82.41	RM
217.01	Deer Creek, Goodfield, Mackinaw	94.35	RH	73.28	RM	86.93	RH	74.41	RM	57.14	RL	84.69	RM
217.02	Pekin, Tremont	97.08	RH	78.56	RH	91.73	RH	79.31	RM	64.21	RM	84.82	RM
218.01	Pekin, South Pekin	95.42	RH	78.75	RH	88.27	RH	77.98	RM	60.92	RM	70.34	RM
218.02	---	93.04	RH	43.60	RL	81.09	RM	65.77	RL	45.20	RL	95.97	RH
219	Delavan, Green Valley	94.26	RH	67.18	RM	87.76	RH	78.05	RM	54.25	RL	86.16	RM
220	Armington, Hopedale, Minier	95.70	RH	71.94	RM	91.32	RH	82.01	RM	59.94	RM	85.13	RM
221	Washington	88.96	RM	58.34	RM	71.29	RM	61.66	RL	43.42	RL	73.60	RM
222	Washington	91.78	RH	68.91	RM	77.80	RM	69.57	RM	50.96	RL	62.82	RL
223	Washington	95.72	RH	83.02	RH	87.98	RH	78.79	RM	62.84	RM	84.35	RM
224	East Peoria, Washington	92.28	RH	74.49	RM	80.28	RM	72.68	RM	54.18	RL	69.79	RL
Tazewell County		97.50	RH	83.10	RM	88.60	RH	78.40	RM	51.30	RL	87.50	RM

Rating Abbreviations: NR = No Rating; VL = Very Low; RL = Relatively Low; RM = Relatively Moderate; RH = Relatively High; VH = Very High

Figure R-4
NRI Hazard Scores/Ratings by Hazard by Census Tract
(Sheet 2 of 2)

Census Tract No.	Incorporated Municipality Located in Census Tract	Extreme Cold		Excessive Heat		Tornadoes		Drought		Landslides		Earthquakes	
		Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
201	East Peoria	80.20	RM	86.49	RH	90.96	RH	76.06	VL	97.24	RH	74.51	RL
203.01	East Peoria	85.79	RM	91.93	RH	69.89	RM	81.72	RL	99.71	VH	50.95	VL
203.02	East Peoria	88.82	RM	94.26	RH	80.48	RH	84.04	RL	96.10	RH	57.57	RL
204	Creve Coeur	88.88	RM	94.33	RH	77.46	RH	77.19	VL	91.33	RM	45.35	VL
205	Creve Coeur, Marquette Heights, North Pekin	86.58	RM	92.48	RH	70.33	RM	85.99	RL	88.61	RM	55.73	RL
206	Pekin	75.59	RM	81.04	RH	49.19	RL	0.00	NR	0.00	NR	45.63	VL
207	North Pekin, Pekin	87.13	RM	92.95	RH	70.86	RM	80.72	VL	88.52	RM	62.23	RL
208	Pekin	84.25	RM	90.67	RH	69.45	RM	0.00	NR	0.00	NR	69.49	RL
209	Pekin	79.01	RM	85.30	RH	60.77	RM	0.00	NR	0.00	NR	56.33	RL
210	Pekin	90.48	RH	95.38	VH	81.59	RH	0.00	NR	0.00	NR	69.80	RL
211.01	Pekin	93.30	RH	97.28	VH	88.48	RH	0.00	NR	87.12	RM	74.51	RL
211.02	Pekin	91.48	RH	96.03	VH	80.52	RH	77.65	VL	90.60	RM	67.29	RL
212.01	East Peoria, Washington	90.46	RH	95.17	VH	91.14	RH	90.53	RL	96.25	RH	71.78	RL
212.02	East Peoria	83.69	RM	90.14	RH	71.44	RM	0.00	NR	95.86	RH	60.15	RL
212.03	East Peoria	89.35	RM	94.64	RH	74.87	RM	80.32	VL	94.27	RH	56.65	RL
215	East Peoria, Pekin, Morton	94.15	RH	97.48	VH	94.72	VH	95.22	RM	91.40	RM	71.83	RL
216.03	Morton	90.65	RH	95.23	VH	93.89	VH	92.32	RL	95.24	RH	75.50	RL
216.04	Morton	78.50	RM	84.28	RH	77.55	RH	87.99	RL	0.00	NR	74.86	RL
216.05	Morton	79.02	RM	85.32	RH	61.60	RM	71.95	VL	0.00	NR	57.67	RL
216.06	Morton	91.88	RH	96.12	VH	89.55	RH	92.81	RL	0.00	NR	70.68	RL
217.01	Deer Creek, Goodfield, Mackinaw	90.83	RH	93.96	RH	80.38	RH	96.92	RM	84.72	RM	68.27	RL
217.02	Pekin, Tremont	92.27	RH	95.09	VH	89.97	RH	97.34	RM	71.08	RM	75.39	RL
218.01	Pekin, South Pekin	91.40	RH	95.54	VH	83.18	RH	94.75	RM	47.41	RL	73.25	RL
218.02	---	82.92	RM	81.28	RH	68.31	RM	97.49	RM	85.50	RM	67.06	RL
219	Delavan, Green Valley	91.09	RH	91.86	RH	78.76	RH	98.33	RM	60.27	RL	70.23	RL
220	Armington, Hopedale, Minier	93.37	RH	94.08	RH	86.12	RH	98.63	RH	74.27	RM	75.31	RL
221	Washington	82.76	RM	87.33	RH	62.36	RM	94.90	RM	0.00	NR	56.24	RL
222	Washington	86.01	RM	91.76	RH	72.05	RM	89.29	RL	69.07	RL	57.25	RL
223	Washington	91.13	RH	95.71	VH	87.60	RH	89.74	RL	0.00	NR	71.01	RL
224	East Peoria, Washington	88.34	RM	93.78	RH	75.22	RH	84.37	RL	82.38	RM	61.35	RL
Tazewell County		90.20	RH	96.60	RH	90.10	RM	90.70	RM	94.20	RM	80.30	RL

Rating Abbreviations: NR = No Rating, VL = Very Low, RL = Relatively Low, RM = Relatively Moderate, RH = Relatively High, VH = Very High

**Figure R-5
Critical Facilities & Infrastructure by Jurisdiction**

Participating Jurisdiction	Critical Facilities				Critical Infrastructure						
	Government ¹	Emergency Protection ²	Medical & Healthcare ³	Schools	Drinking Water ⁴	Wastewater Treatment ⁵	Rail Lines	Bridges	Interstates US/State Routes & Key Roads	Power Plants	Comm. Systems
Tazewell County	5	6	11	---	3	3	6	5	13	---	---
Creve Coeur	3	3	---	3	3	3	1	1	5	---	2
East Peoria	4	7	2	12	11	10	2	4	6	---	1
Morton	2	3	2	7	3	5	1	---	7	---	---
Pekin	5	7	7	14	3	16	1	1	4	1	1
Tremont	4	2	2	3	2	5	---	---	4	---	---
Washington	5	3	2	5	4	8	1	---	---	---	---
East Peoria CHSD #309	---	---	---	1	---	---	---	---	---	---	---
East Peoria D&LD	---	---	---	---	---	1	---	---	---	---	---
Pekin Park District	---	1	---	---	---	---	---	---	---	---	---
Tri-County Regional Planning Commission	1	---	---	---	---	---	---	---	---	---	---

¹ Government includes: courthouses, city/village halls, township buildings, highway/road maintenance centers, libraries, etc.

² Emergency Protection includes: sheriff's department, police, fire, ambulance, emergency operations centers, jail/correctional facilities and evacuation shelters.

³ Medical & Healthcare includes: public health departments, hospitals, urgent/prompt care and medical clinics, nursing homes, skilled nursing facilities, memory care facilities, residential group homes, etc.

⁴ Drinking Water includes: drinking water treatment plants, drinking water wells, and water storage towers/tanks.

⁵ Wastewater Treatment includes: wastewater treatment plants and lift stations.

--- Indicates the jurisdiction does not own/maintain any critical facilities within that category.

3.1 SEVERE STORMS (THUNDERSTORMS, HAIL, LIGHTNING & HEAVY RAIN)

HAZARD IDENTIFICATION

What is the definition of a severe storm?

The National Oceanic and Atmospheric Administration's (NOAA) National Weather Service (NWS) defines a "severe storm" as any thunderstorm that produces one or more of the following:

- winds with gust of 50 knots (58 mph) or greater;
- hail that is at least one inch in diameter (quarter size) or larger; and/or
- a tornado.

While severe storms are capable of producing deadly lightning and heavy rain that may lead to flash flooding, the NWS does not use lightning/either to define a severe storm. However, a discussion of both lightning and heavy rain is included in this section because both are capable of causing extensive damage. For the purposes of this report, tornadoes and flooding are categorized as separate hazards and are not discussed under severe storms.

What is a thunderstorm?

A thunderstorm is a rain shower accompanied by lightning and thunder. An average thunderstorm is approximately 15 miles in diameter, affecting a relatively small area when compared to winter storms or hurricanes, and lasts an average of 30 minutes. Thunderstorms can bring heavy rain, damaging winds, hail, lightning and tornadoes.

There are four basic types of thunderstorms: single-cell, multi-cell, squall line, and supercell. The following provides a brief description of each.

Single-cell Thunderstorm

Single cell storms are small, weak storms that only last about ½ hour to an hour and are not usually considered severe. They are typically driven by heating on a summer afternoon. Occasionally a single cell storm will become severe, but only briefly. When this happens, it is called a pulse severe storm.

Multi-cell Thunderstorm

Multi-cell storms are the most common type of thunderstorms. A multi-cell storm is organized in clusters of at least two to four short-lived cells. Each cell usually lasts 30 to 60 minutes while the system as whole may persist for many hours. Multi-cell storms may produce hail, strong winds, brief tornadoes, and/or flooding.

Squall Line

A Squall line is a group of storms arranged in a line, often accompanied by "squalls" of high wind and heavy rain. The line of storms can be continuous or there can be gaps and breaks in the line. Squall lines tend to pass quickly and can be hundreds of miles long but are typically only 10 to 20 miles wide. A "bow echo" is a radar signature of a squall line that "bows out" as winds fall behind the line and circulation develops on either end.

Supercell Thunderstorm

Supercell storms are long-lived (greater than one hour) and highly organized storms that feed off a rising current of air (an updraft). The main characteristic that sets a supercell storm apart from other thunderstorm types is the presence of rotation in the updraft. The rotating updraft of a supercell (called a mesocyclone when visible on radar) helps a supercell storm produce extreme weather events. Supercell storms are potentially the most dangerous storm type and have been observed to generate the vast majority of large and violent tornadoes, as well as downburst winds and large hail.

Despite their size, all thunderstorms are dangerous and capable of threatening life and property. Of the estimated 100,000 thunderstorms that occur each year in the U.S., roughly 10% are classified as severe.

What kinds of damaging winds are produced by a thunderstorm?

Aside from tornadoes, thunderstorms can produce straight-line winds. A straight-line wind is defined as any wind produced by a thunderstorm that is not associated with rotation. There are several types of straight-line winds including downdrafts, downbursts, microbursts, gust fronts and derechos.

Damage from straight-line winds is more common than damage from tornadoes and accounts for most thunderstorm wind damage. Straight-line wind speeds can exceed 87 knots (100 mph), produce a damage pathway extending for hundreds of miles and can cause damage equivalent to a strong tornado.

The NWS measures a storm's wind speed in knots or nautical miles. A wind speed of one knot is equal to approximately 1.15 miles per hour. **Figure SS-1** shows conversions from knots to miles per hour for various wind speeds.

Figure SS-1 Wind Speed Conversions			
Knots (kts)	Miles Per Hour (mph)	Knots (kts)	Miles Per Hour (mph)
50 kts	58 mph	60 kts	69 mph
52 kts	60 mph	65 kts	75 mph
55 kts	63 mph	70 kts	81 mph
58 kts	67 mph	80 kts	92 mph

What is hail?

Hail is precipitation in the form of spherical or irregular-shaped pellets of ice that occur within a thunderstorm when strong rising currents of air (updrafts) carry raindrops upward into extremely cold areas of the atmosphere where they freeze into ice.

Hailstones grow by colliding with supercooled water drops. The supercooled water drops freeze on contact with ice crystals, frozen rain drops, dust, etc. Thunderstorms with strong updrafts continue lifting the hailstones to the top of the cloud where they encounter more supercooled water and continue to grow. Eventually the updraft can no longer support the weight of the hail, or the updraft weakens, and the hail falls to the ground.

In the U.S., hail causes more than \$1 billion in damages to property and crops annually. Hail has been known to cause injuries, although it rarely causes fatalities or serious injury.

How is the severity of a hail event measured?

The severity or magnitude of a hail event is measured in terms of the size (diameter) of the hailstones. The hail size is estimated by comparing it to known objects. **Figure SS-2** provides descriptions for various hail sizes.

Figure SS-2 Hail Size Descriptions			
Hail Diameter (inches)	Description	Hail Diameter (inches)	Description
0.25 in.	pea	1.75 in.	golf ball
0.50 in.	marble/mothball	2.50 in.	tennis ball
0.75 in.	penny	2.75 in.	baseball
0.88 in.	nickel	3.00 in.	teacup
1.00 in.	quarter	4.00 in.	grapefruit
1.50 in.	ping pong ball	4.50 in.	softball

Source: NOAA, National Severe Storm Laboratory.

Hail size can vary widely. Hailstones may be as small as 0.25 inches in diameter (pea-sized) or, under extreme circumstances, as large as 4.50 inches in diameter (softball-sized). Typically hail that is one (1) inch in diameter (quarter-sized) or larger is considered severe.

The severity of a hail event can also be measured or rated using the TORRO Hailstorm Intensity Scale. This scale was developed in 1986 by the Tornado and Storm Research Organisation of the United Kingdom. It measures the intensity or damage potential of a hail event based on several factors including: maximum hailstone size, distribution, shape and texture, numbers, fall speed and strength of the accompanying winds.

The Hailstorm Intensity Scale identifies ten different categories of hail intensity, H0 through H10. **Figure SS-3** gives a brief description of each category. This scale is unique because it recognizes that, while the maximum hailstone size is the most important parameter relating to structural damage, size alone is insufficient to accurately categorize the intensity and damage potential of a hail event.

It should be noted that the typical damage impacts associated with each intensity category reflect the building materials predominately used in the United Kingdom. These descriptions may need to be modified for use in other countries to take into account the differences in building materials typically used (i.e., whether roofing materials are predominately shingle, slate or concrete, etc.).

What is lightning?

Lightning, a component of all thunderstorms, is a visible electrical discharge that results from the buildup of charged particles within storm clouds. It can occur from cloud-to-ground, cloud-to-cloud, within a cloud or cloud-to-air. The air near a lightning strike is heated to approximately

50,000°F (hotter than the surface of the sun). The rapid heating and cooling of the air near the lightning strike causes a shock wave that produces thunder.

**Figure SS-3
TORRO Hailstorm Intensity Scale**

Intensity Category		Typical Hail Diameter		Description	Typical Damage Impacts
		millimeters (approx.)*	inches (approx.)*		
H0	Hard Hail	5 mm	0.2"	pea	no damage
H1	Potentially Damaging	5-15 mm	0.2" – 0.6"	pea / mothball	slight general damage to plants, crops
H2	Significant	10-20 mm	0.4" – 0.8"	dime / penny	significant damage to fruit, crops, vegetation
H3	Severe	20-30 mm	0.8" – 1.2"	nickel / quarter	severe damage to fruit and crops, damage to glass and plastic structures, paint and wood scored
H4	Severe	25-40 mm	1.0" – 1.6"	half dollar / ping pong ball	widespread glass damage, vehicle bodywork damage
H5	Destructive	30-50 mm	1.2" – 2.0"	golf ball	wholesale destruction of glass, damage to tiled roofs, significant risk of injuries
H6	Destructive	40-60 mm	1.6" – 2.4"	golf ball / egg	bodywork of grounded aircraft dented; brick walls pitted
H7	Destructive	50-75 mm	2.0" – 3.0"	egg / tennis ball	severe roof damage, risk of serious injuries
H8	Destructive	60-90 mm	2.4" – 3.5"	tennis ball / teacup	severe damage to aircraft bodywork
H9	Super Hailstorms	75-100 mm	3.0" – 4.0"	teacup / grapefruit	extensive structural damage, risk of severe or even fatal injuries to persons caught in the open
H10	Super Hailstorms	> 100 mm	> 4.0"	softball	extensive structural damage, risk of severe or even fatal injuries to persons caught in the open

* Approximate range since other factors (i.e., number and density of hailstones, hail fall speed and surface wind speed) affect severity.

Source: Tornado and Storm Research Organisation, TORRO Hailstorm Intensity Scale Table.

Lightning on average causes 60 fatalities and 400 injuries annually in the U.S. Most fatalities and injuries occur when people are caught outdoors in the summer months during the afternoons and evenings. In addition, lightning can cause structure and forest fires. Many of the wildfires in the western U.S. and Alaska are started by lightning. According to the NWS lightning strikes cost more than \$1 billion in insured losses each year.

Are alerts issued for severe storms?

Yes. The NWS Weather Forecast Office in Lincoln, Illinois is responsible for issuing **severe thunderstorm watches** and **warnings** for Tazewell County depending on the weather conditions. The following provides a brief description of each type of alert.

- **Watch.** A severe thunderstorm watch is issued when severe thunderstorms are possible in or near the watch area. Individuals should stay alert for the latest weather information and be prepared to take shelter.
- **Warning.** A severe thunderstorm warning is issued when severe weather has been reported by spotters or indicated by radar. Warnings indicate imminent danger to life and property for those who are in the path of the storm and individuals should seek safe shelter.

HAZARD PROFILE

The following identifies past occurrences of severe storms; details the severity or extent of each event (if known); identifies the locations potentially affected; and estimates the likelihood of future occurrences.

When have severe storms occurred previously? What is the extent of these previous severe storms?

Tables 1, 2, and 3 located in **Appendix J**, summarize the previous occurrences as well as the extent or magnitude of severe storm events recorded in Tazewell County. Severe storm events are separated into four categories: thunderstorms with damaging winds, hail, lightning, and heavy rain. In Tazewell County, severe storms are the most frequently occurring natural hazard.

Thunderstorms with Damaging Winds

NOAA's Storm Events Database was used to document 292 reported occurrences of thunderstorms with damaging winds in Tazewell County between 1960 and 2022. Of the 292 occurrences, 211 had reported wind speeds of 50 knots or greater. There were 81 occurrences where the wind speed was not recorded.

The highest wind speed recorded in Tazewell County occurred countywide on June 29, 1988, when winds reached 83 knots (96 mph) during a thunderstorm event. Thunderstorms with damaging winds have been recorded in every participating jurisdiction within the County on multiple occasions.

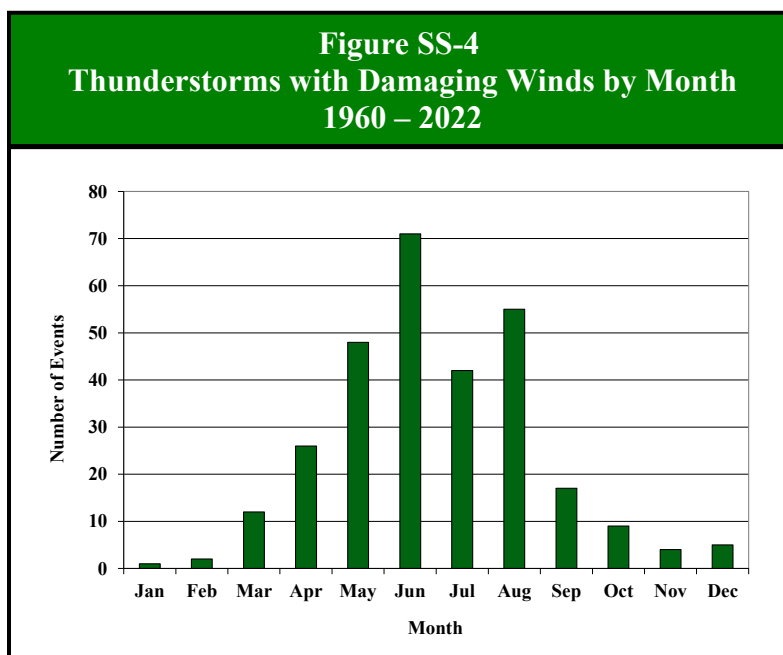
Severe Storms Fast Facts – Occurrences

Number of recorded Thunderstorms with Damaging Winds (1960 – 2022): **292**
 Number of recorded Severe Hail Events (1960 – 2022): **117**
 Number recorded of Lightning Strike Events (1991 – 2022): **3**
 Highest Recorded Wind Speed: **83 knots (June 29, 1988)**
 Largest Hail Recorded: **3.0 inches (May 28, 2003 & August 20, 2022)**
 Most Likely Month for Thunderstorms with Damaging Winds to Occur: **June**
 Most Likely Month for Severe Hail to Occur: **May**

Of the 292 events, 168 (58%) took place in June, July, and August making this the peak period for thunderstorms with damaging winds in Tazewell County. Of those 168 events, 71 (42%) occurred during June, making this the peak month for thunderstorms with damaging winds. Of the 292 occurrences, 81% of all thunderstorms with damaging winds occurred during the p.m. hours.

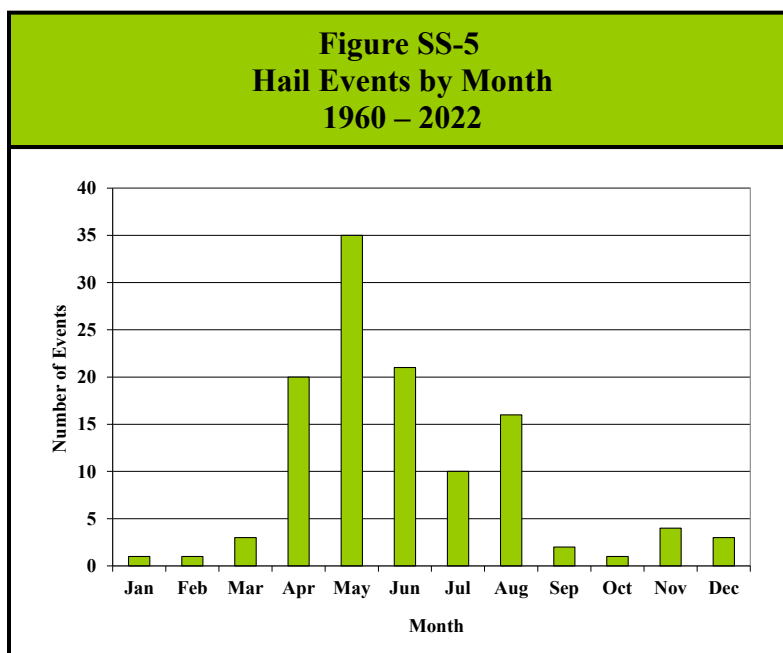
Hail

NOAA's Storm Events Database was used to document 117 reported occurrences of severe storms with hail one (1) inch in diameter or greater in Tazewell County between 1960 and 2022. Of the 117 occurrences, 52 produced hailstones 1.50 inches or larger in diameter.



The largest hail stones documented in Tazewell County measured 3.0 inches in diameter (teacup sized) and fell at Washington on two separate occasions, May 28, 2003 and August 20, 2022. Hail one (1) inch in diameter or greater has been recorded in every participating jurisdiction on at least one occasion

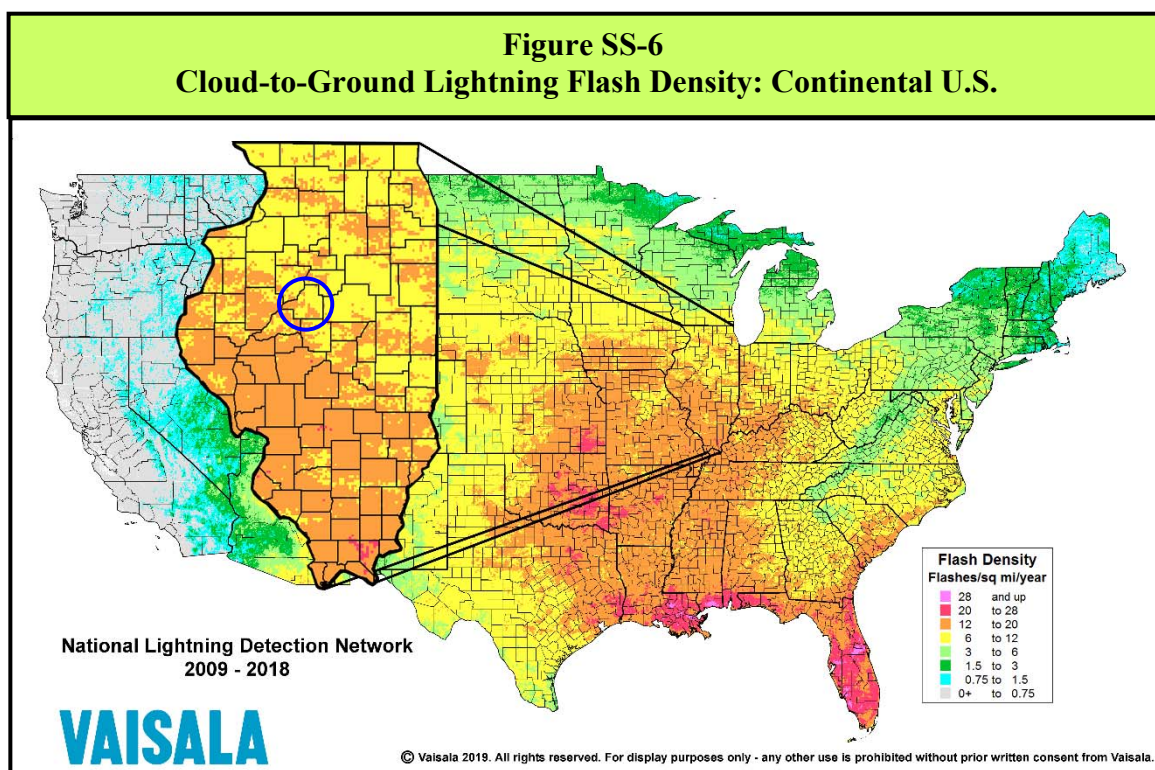
Figure SS-5 charts the reported occurrences of hail by month. Of the 117 occurrences, 76 (65%) took place in April, May, and June making this the peak period for hail in Tazewell County. Of these 76 events, 35 (46%) occurred during May, making this the peak months for hail events. One hundred-one (86%) of the 117 severe storms with hail occurred during the p.m. hours.



Lightning

While lightning strike events occur regularly across central Illinois, NOAA's Storm Events Database records were only able to identify three occurrences of lightning strikes with verified damages in Tazewell County. The data limitations are almost certainly due to the rural nature of most of the County.

According to data from Vaisala's National Lightning Detection Network, Tazewell County averaged from 6 to 20 cloud-to-ground lightning flashes per square mile annually between 2009 and 2018. **Figure SS-6** illustrates the cloud-to-ground lightning flash density (number of cloud-to-ground flashes per square mile per year) by county for the continental U.S. In comparison, Illinois averaged 12.7 cloud-to-ground lightning flashes per square mile from 2009 to 2018, ranking it eighth in the Country for lightning flash density.



Heavy Rain

While heavy rain events occur on a fairly regular basis across central Illinois, NOAA's Storm Events Database does not include any *recorded* heavy rain events for Tazewell County. This may be due in part to a lack of uniform reporting guidelines for heavy rain events.

What locations are affected by severe storms?

Severe storms affect the entire County. A single severe storm event will generally extend across the entire County and affect multiple locations. The 2018 Illinois Natural Hazard Mitigation Plan prepared by the Illinois Emergency Management Agency and Office of Homeland Security (IEMA-OHS) classifies Tazewell County's hazard rating for severe storms as "severe." (IEMA's overall hazard rating system has five levels: very low, low, medium, high, and severe.)

What is the probability of future severe storm events occurring based on historical data?

Thunderstorms with Damaging Winds

Tazewell County has had 292 verified occurrences of thunderstorms with damaging winds between 1960 and 2022. With 292 occurrences over the past 63 years, Tazewell County would expect to experience at least four thunderstorms with damaging winds in any given year. There were 36 years over the last 63 years where multiple (three or more) thunderstorms with damaging winds occurred. This indicates that the probability that multiple thunderstorms with damaging winds may occur during any given year within the County is 57%.

Hail

There have been 117 verified occurrences of hail one (1) inch in diameter or greater between 1960 and 2022. With 117 occurrences over the past 63 years, the County should expect to experience about two severe storms with hail event each year. There were 27 years over the last 63 years where two or more hail events occurred. This indicates that the probability that more than one severe storm with hail may occur during any given year within the County is 43%.

What is the probability of future heavy rain events occurring based on modeled future conditions?

Severe storms are very difficult to forecast in the near-term future, let alone in the long-term future. This owes to the fact that these events arise due to a combination of multiple factors (including pressure fronts, wind speeds, temperatures, and humidity) working together.

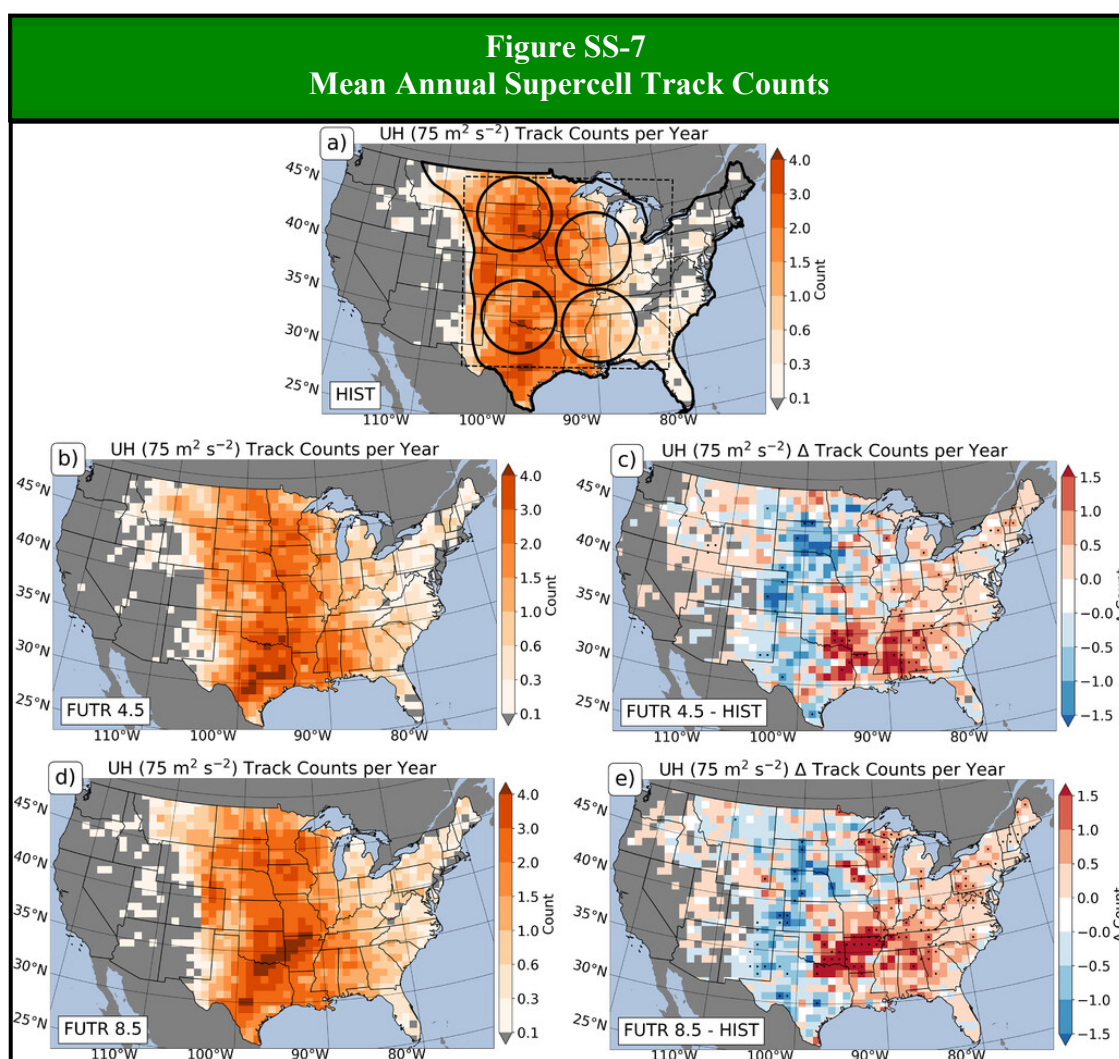
What can be predicted with more certainty looking into the future is the likelihood of supercell formation, which occurs with fewer conditions needing to be met, mainly a temperature differential in fronts and a relatively low moisture content. Supercells are strong, longer-lived storm systems characterized by rotation and updrafts that make them capable of producing hazards such as damaging winds, hail, and even tornadoes. While the formation of a supercell does not ensure that severe storm events will follow, supercells increase the probability of these events significantly, making supercell formation a good predictor for the likelihood of these other weather events.

In addition, in the last 120 years total annual precipitation in Illinois has increased by between 12% to 15% across the State. This trend is likely to continue, and as a result, precipitation in Illinois is forecasted to increase in coming decades. In addition to changes in the overall amount of precipitation, changes in precipitation patterns indicate that future events will likely be less frequent, but larger and more severe. The Illinois State Climatologist indicates that since the beginning of the 20th Century, Illinois has seen a 40% increase in the number of days with extreme precipitation events (rainfall of 2 inches or greater) per year.

Based on existing trends of increasing supercell formation and future projections of precipitation and temperature, supercells are likely to continue to become more common in the future. For a discussion on future projections of temperature, see Section 3.4. Supercell formation today is mostly confined to the Great Plains and the Midwest, but future projections indicate that the geographic range over which supercells may develop is likely to increase as parts of the Country that were previously unfavorable to supercell formation become warmer and dryer. Additionally,

if current trends of milder winters persist, supercell season is also likely to lengthen, starting earlier in the year and ending later.

Figure SS-7 contains a series of maps that show how the number of supercell tracks is likely to change in the future. The map at the top labeled a) depicts late 20th Century historical data showing the average number of supercells per year occurring within each grid square on the map. Below, projections for two different late 21st Century future scenarios for supercell frequency are given on the left, a low emission scenario depicted the top left map labeled b) and a high emission scenario depicted in the lower left map labeled d). On the right, the difference between each late 21st Century scenario and the late 20th Century historic baseline is shown, with redder areas showing an increase in supercell tracks per year, and blue areas showing a reduction.



Citation: Bulletin of the American Meteorological Society 104, 1; 10.1175/BAMS-D-22-0027.1
© American Meteorological Society. Used with permission.

Thunderstorms with Damaging Winds

Damaging winds in severe storms are most often associated with powerful downdrafts, so looking at the changing prevalence of conditions favorable to generating these downdrafts can give us an

indicator of how likely damaging thunderstorm winds may be in the future. The formation of powerful storms is typically energized by an influx of warm moist air. As the climate in the Midwest continues to become wetter and warmer, this makes strong thunderstorms with damaging winds a more probable occurrence in the future.

On the other hand, stronger warming occurring at more northerly latitudes is likely to decrease wind shear (a measurement of wind's change in speed and direction along a column of air), which is another important predictor of damaging winds. It is difficult to know which of these trends may be stronger than the other, or whether these two trends may wind up roughly cancelling each other out. The analysis of these trends should be revisited in subsequent planning efforts as more data becomes available.

Hail

Hail forms in storm systems with strong updrafts, so the formation of strong supercell storms is a good predictor of the occurrence of hail. The influx of moist, warm air rising over dryer, cooler air tends to create these updrafts, but for hail to occur, the air above the warm air must be cold enough for hail to form. Hail formation also depends on seasonality since the air above is cooler in spring and warmer in fall.

While a wetter and warmer climate will likely lead to more severe storms with stronger updrafts, it is more difficult to predict whether more hailstorms will result. Less gradual warming in spring may mean there will not be sufficiently cool air aloft for hail to form. When cool enough air is present for hailstones to form, stronger updrafts and more massive storms could be able to generate larger hailstones on average than those seen today. As these trends play out and more data becomes available regarding any shifts in hail frequency or intensity, it will be important to continually reassess the risk posed by hail in future planning efforts.

Heavy Rain

Figures SS-8, SS-9, and SS-10 provide tabular and graphical projections for Tazewell County, showing estimations for average annual precipitation and number of days with total precipitation greater than 2 inches in the early, mid, and late 21st century with both low and high estimates for each time period. Most likely, the true value will fall between these two estimates. By midcentury, the average annual precipitation in Tazewell County is projected to increase by 1.5 to 2 inches per year, while the average number of days with precipitation per year is projected to decrease by 3 to 4 days according to the Climate Mapping for Resilience and Adaptation's Assessment Tool.

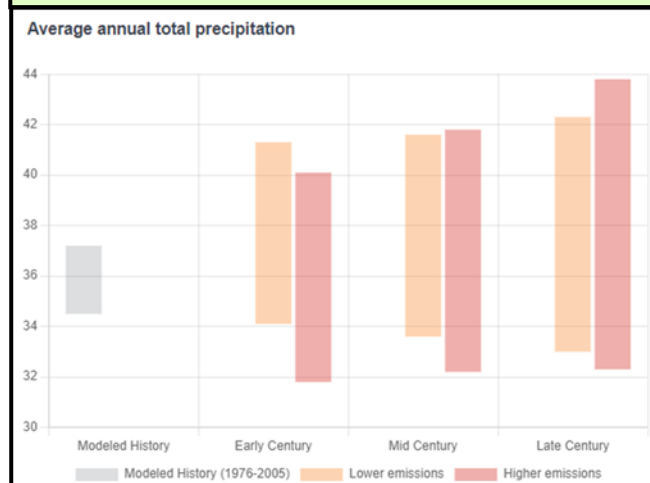
The annual number of days with total precipitation greater than 2 inches is not projected to increase significantly. This is confirmed by the Climate Explorer which indicates that in Tazewell County the annual counts of intense rainstorms (rainfall of 2 inches or greater in one day) are not projected to increase. This is based on the findings of the 2018 National Climate Assessment and compares projections for the middle third of the century (2035-2064) with average conditions observed from 1961-1990.

**Figure SS-8
Average Annual Precipitation Projections Table – Tazewell County**

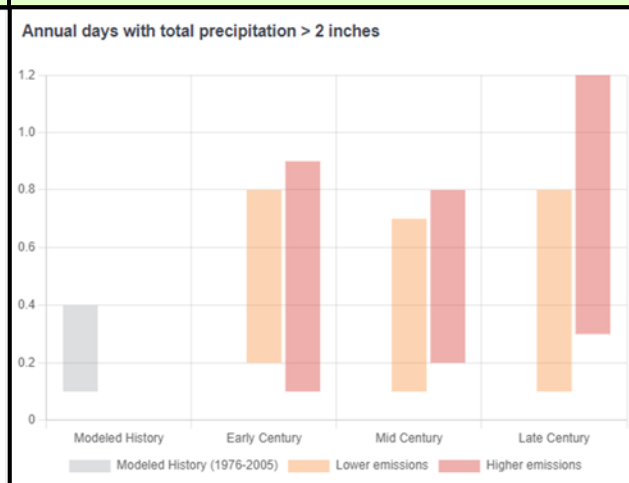
Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
	Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
Precipitation:							
Annual average total precipitation	36" 34 - 37	38" 34 - 41	37" 32 - 40	38" 34 - 42	38" 32 - 42	38" 33 - 42	39" 32 - 44
Days per year with precipitation (wet days)	171 days 167 - 176	170 days 155 - 179	168 days 152 - 182	168 days 151 - 182	167 days 143 - 184	168 days 153 - 182	165 days 127 - 189
Maximum period of consecutive wet days	11 days 10 - 12	11 days 10 - 12	11 days 10 - 12	11 days 10 - 13	11 days 10 - 14	11 days 9 - 13	11 days 9 - 13
Annual days with:							
Annual days with total precipitation > 1 inch	4 days 3 - 5	5 days 3 - 6	5 days 3 - 6	5 days 4 - 7	5 days 3 - 7	5 days 4 - 7	6 days 4 - 9
Annual days with total precipitation > 2 inches	0 days 0 - 0	0 days 0 - 1	0 days 0 - 1	0 days 0 - 1	0 days 0 - 1	0 days 0 - 1	1 days 0 - 1
Annual days with total precipitation > 3 inches	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0	0 days 0 - 0
Annual days that exceed 99th percentile precipitation	5 days 5 - 6	6 days 6 - 7	6 days 6 - 7	6 days 6 - 8	7 days 6 - 8	7 days 6 - 8	8 days 7 - 9
Days with maximum temperature below 32 °F	35 days 32 - 39	26 days 16 - 34	25 days 19 - 32	22 days 14 - 31	21 days 12 - 30	20 days 11 - 29	13 days 3 - 24

N/A = Data Not Available for the selected area

**Figure SS-9
Average Annual Precipitation Projections
Graph – Tazewell County**



**Figure SS-10
Number of Days with Total Precipitation
> 2 Inches Graph – Tazewell County**



HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure, and critical facilities from severe storms.

Are the participating jurisdictions vulnerable to severe storms?

Yes. All of Tazewell County is vulnerable to the dangers presented by severe storms due to the topography of the region and its location in relation to the movement of weather fronts across north-central Illinois. Since 2013, Tazewell County has recorded 87 thunderstorms with damaging winds and 34 severe storms with hail one (1) inch in diameter or greater.

Figure SS-11 details the number of thunderstorms with damaging winds and hail events that were recorded in or near each participating municipality while **Figure SS-12** details the number of thunderstorms with damaging winds and hail events that were recorded in or near unincorporated areas of Tazewell County.

Figure SS-11 Verified Severe Storm Events by Participating Municipality		
Participating Municipality	Number of Events	
	Thunderstorm & High Wind	Severe Hail
Creve Coeur ^{1,2}	12	1
East Peoria ^{1,2}	26	14
Morton ¹	39	14
Pekin ³	63	19
Tremont	25	11
Washington	29	22

¹East Peoria CHSD 309

²East Peoria D&LD

³Pekin Park District

Figure SS-12 Verified Severe Storm Events in Unincorporated Tazewell County		
Unincorporated Area	Number of Events	
	Thunderstorm & High Wind	Severe Hail
Allentown	4	1
Dillon	3	1
Groveland	8	6
Lilly	1	2
Mayfair	0	1
Midway	1	1
Parkland	5	1
Pekin Municipal Airport	2	0
Schaeferville	4	3
Spring Lake SFWA	2	1
Talbott	2	2
Towne Oaks	1	1

Of the participating municipalities, Pekin has had more recorded occurrences of thunderstorms with damaging winds while Washington has had the greatest number of recorded severe storms with hail events than any of the other municipalities. The differences in the number of recorded events between participating municipalities is likely due in part to the relative size of the municipalities as well as the fact that there are NWS COOP Observation Stations located in both municipalities.

Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of severe storms?

Yes. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, the following jurisdictions considered specific assets within their jurisdiction vulnerable to severe storms.

Tazewell County:

Severe storms have damaged critical infrastructure within in the County. In December 2021 straight-line winds blew the dome off the salt storage building at the Tazewell County Highway Department.

Creve Coeur:

- ❖ Heavy rains flood Wesley Road impeding travel to the businesses and critical infrastructure located along this route.
- ❖ Two different lightning strikes have struck our water tower, damaging the SCADA system.
- ❖ The Village's water distribution system booster station's variable frequency drive and pump were damaged due to a power outage impacting service to residents.

East Peoria CHSD #309:

- ❖ The High School is located at the bottom of a steep slope and experiences drainage issues during heavy rain events.
- ❖ Heavy rains cause flooding along Illinois Route 8, the primary access route to the High School, impacting travel and access of students, staff, and visitors.

East Peoria Drainage & Levee District

- ❖ The District's only stormwater pumphouse has no emergency backup generator and if a severe storm disrupts power there would be no way to move water out of the levee protected areas.
- ❖ The roads in the residential areas of the District flood during heavy rain events as each bridge across the drainage ditch causes constrictions in the water flow, indicating the drainage structures are not adequately sized for high intensity rain events.

Morton:

One of the Village's greatest vulnerabilities is to wind damage from severe storms.

Pekin Park District:

- ❖ Our Senior Center has been hit by lightning several times. In 2022 a lightning strike damaged the phone lines, internet, computers and copier.
- ❖ Heavy rains have flooded Court St. and Parkway Dr., impacting travel of our patrons to Mineral Springs Park and Pekin Community High School. Heavy rains also the flood the parking lot and roads within the Park.

Tremont:

- ❖ The Village's water tower is vulnerable to a severe storm with damaging winds. If the water tower is damaged or inoperable, then service to residents will be impacted.
- ❖ During severe storms, high winds have the potential to down power lines impacting service to critical facilities and residents.

What impacts resulted from the recorded severe storms?

Severe storms as a whole have caused an estimated \$7.55 million in recorded property damages and \$1.15 million in recorded crop damages. The following provides a breakdown of impacts by category.

Thunderstorms with Damaging Winds

Data obtained from NOAA's Storm Events Database and Committee member records indicates that between 1960 and 2022, 102 of the 292 thunderstorms with damaging winds caused \$7,451,950 in property damages and \$1,150,000 in crop damages. Damage information was either unavailable or none was recorded for the remaining 190 reported occurrences.

NOAA's Storm Events Database documented 14 injuries as the result of three separate thunderstorm with damaging wind events. The following provides a brief description of each.

- ❖ On June 23, 1995, high winds blew down the roof of a motel that was being constructed injuring six workers.
- ❖ Six semi-truck drivers were injured on February 11, 1999 when a thunderstorm with damaging winds blew their semis over on Interstate 74.
- ❖ On April 23, 2009, two individuals suffered minor injuries when a thunderstorm with damaging winds flipped a car over on the US Route 150 bridge.

Severe Storms Fast Facts – Impacts/Risk

Thunderstorms with Damaging Winds Impacts:

- ❖ Total Property Damage (101 events): **\$7,451,950**
- ❖ Total Crop Damage (4 events): **\$1,150,000**
- ❖ Injuries (3 events): **14**
- ❖ Fatalities: **0**

Severe Hail Impacts:

- ❖ Total Property Damage (1 event): **\$2,500**
- ❖ Total Crop Damage (1 event) : **\$2,500**
- ❖ Injuries: **n/a**
- ❖ Fatalities: **n/a**

Lightning Strike Impacts:

- ❖ Total Property Damage (5 events): **\$110,050**
- ❖ Total Crop Damage: **n/a**
- ❖ Injuries: **n/a**
- ❖ Fatalities: **n/a**

Severe Storms Risk/Vulnerability:

- ❖ Public Health & Safety: **Low**
- ❖ Buildings/Infrastructure/Critical Facilities: **Medium**

Hail

Data obtained from NOAA's Storm Events Database indicates that between 1960 and 2022, one of the 117 hail events caused \$2,500 in property damages and \$2,500 in crop damages. Damage information was either unavailable or none was recorded for the remaining 116 events.

No injuries or fatalities were reported as a result of any of the recorded hail events.

Lightning

Data obtained from NOAA's Storm Events Database indicate that three lightning strike events caused \$95,000 in property damages. Not included in the property damage figures provided above are three events obtained from Committee member records. While dates were not provided, the Creve Coeur water tower at 103 N. Thorncrest has been damaged twice by lightning strikes. The Pekin Park District reported that phone & internet lines, as well as computers and copiers, were damaged by a lightning strike at the Millen Center within the last two years. These three lightning strikes caused an additional \$15,000 in damages.

No injuries or fatalities were reported as the result of any of the lightning strike events.

What other impacts can result from severe storms?

In Tazewell County, the greatest risk to health and safety from severe storms is vehicle accidents. Hazardous driving conditions resulting from severe storms (i.e., wet pavement, poor visibility, high winds, etc.) can contribute to accidents that result in injuries and fatalities. Traffic accident data assembled by the Illinois Department of Transportation from 2017 through 2021 indicates that wet road surface conditions were present for 11.6% to 14.1% of all crashes recorded annually in the County.

While other circumstances cause wet road surface conditions (i.e., melting snow, condensation, light showers, etc.), law enforcement officials agree that hazardous driving conditions caused by severe storms add to the number of crashes. **Figure SS-13** provides a breakdown by year of the number of crashes and corresponding injuries and fatalities that occurred when wet road surface conditions were present.

Figure SS-13 Severe Weather Crash Data for Tazewell County				
Year	Total # of Crashes	Presence of Wet Road Surface Conditions		
		# of Crashes	# of Injuries	# of Fatalities
2017	2,219	299	105	1
2018	2,361	329	98	0
2019	2,005	232	90	0
2020	1,960	258	84	2
2021	2,342	331	115	3
Total:	10,887	1,449	492	6

Source: Illinois Department of Transportation.

What is the level of risk/vulnerability to public health and safety from severe storms?

For Tazewell County the level of risk or vulnerability posed by severe storms to public health and safety is considered to be **low**. This assessment is based on the fact that despite their relative frequency, the number of injuries and fatalities is low. In addition, Carle Health Pekin Hospital in Pekin as well as nearby hospitals in Peoria (Peoria County), Eureka (Woodford County), Bloomington/Normal (McLean County), Lincoln (Logan County), Havana (Mason County), and Canton (Fulton County) are equipped to provide care to persons injured during a severe storm.

Are existing buildings, infrastructure, and critical facilities vulnerable to severe storms?

Yes. All existing buildings, infrastructure and critical facilities located in Tazewell County and the participating jurisdictions are vulnerable to damage from severe storms. Structural damage to buildings is a relatively common occurrence with severe storms. Damage to roofs, siding, awnings, and windows can occur from hail, flying and falling debris and high winds. Lightning strikes can damage electrical components and equipment (i.e., appliances, computers etc.) and can cause fires that consume buildings. If the roof is compromised or windows are broken, rain can cause additional damage to the structure and contents of a building.

Infrastructure and critical facilities tend to be just as vulnerable to severe storm damage as buildings. The infrastructure and critical facilities that are the most vulnerable to severe storms are related to power distribution and communications. High winds, lightning and flying and falling debris have the potential to cause damage to communication and power lines; power substations; transformers and poles; and communication antennas and towers.

The damage inflicted by severe storms often leads to disruptions in communication and creates power outages. Depending on the damage, it can take anywhere from several hours to several days to restore service. Tony O'Neal, Ameren Illinois Senior Emergency Response Specialist – Illinois Crisis Management, served on the MAC and was able to provide the Committee with information on the impacts and damages sustained by Ameren as the result of severe storms from 2010 through

2022. This information, while regional in nature, helps quantify the damages sustained by critical infrastructure in Tazewell County and is summarized in **SS-14**.

Figure SS-14 Ameren Illinois – Regional Power Outages Experienced in Tazewell County as a Result of Severe Storm Events: 2010 – 2022						
Event Date	Customers without Power	Duration of Outage (days)	Wires Downed	Poles Replaced	Tree Orders*	Responding Personnel
6/23/2010	8,000	3	259	17	63	250
5/20/2013	16,000	2	559	66	211	629
6/30/2014	48,560	5	378	62	176	n/a
6/7/2015	25,173	2	169	52	104	n/a
7/16/2015	19,863	1	81	50	26	n/a
11/11/2015	20,000	1	68	45	20	n/a
3/7/2017	53,00	0.7	84	121	36	902
6/30/2019	12,050	0.6	52	85	37	n/a
9/27/2019	9,298	0.9	53	51	27	320
7/11/2020	35,425	1.75	210	57	48	310
8/10/2020	60,240	3.6	148	120	84	1,434
6/18/2021	29,887	2.7	89	39	24	716
12/10/2021	26,606	1.75	105	36	35	810

* Tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed.

Power outages and disruptions in communications can impair vital services, particularly when backup power generators are not available. Four of the nine participating jurisdictions acknowledged the need for emergency backup generators to allow continued operation of critical facilities such as public works buildings, schools, warming/cooling centers, emergency shelters, and levee pumphouses.

According to the Critical Facilities Surveys completed by the participants, all but one of the participating municipalities, Tremont, have emergency backup generators at their police/administrative buildings. Five of the six municipalities have generators at their wastewater treatment plants while three have generators at their municipal-owned drinking water facilities. At least one fire station within each municipality has a backup generator. The County has emergency backup generators at the Sheriff's Department/Jail, EOC, 911, Public Health and Administrative Building.

In addition to affecting power distribution and communications, debris and flooding from severe storms can block state and local roads hampering travel. When transportation is disrupted, emergency and medical services are delayed, rescue efforts are hindered, and government services can be affected.

Based on the frequency with which severe storms occur in Tazewell County, the amount of property damage previously reported and the potential for disruptions to power distribution and communication; the risk or vulnerability to buildings, infrastructure and critical facilities from severe storms is **medium**.

Are future buildings, infrastructure, and critical facilities vulnerable to severe storms?

Yes and No. The County and all of the participating municipalities have building codes in place that will likely help lessen the vulnerability of new buildings and critical facilities to damage from severe storms. However, infrastructure such as new communication and power lines will continue to be vulnerable to severe storms as long as they are located above ground. High winds, lightning and flying and falling debris can disrupt power and communication. Steps to bury all new lines would eliminate the vulnerability, but this action would be cost prohibitive in most areas.

What are the potential dollar losses to vulnerable structures from severe storms?

Unlike other natural hazards, such as tornadoes, there are no standard loss estimation models or methodologies for severe storms. With only 110 of the 415 recorded events listing property damage numbers for all categories of severe storms, there is no way to accurately estimate future potential dollar losses. However, according to the Tazewell County Clerk the total equalized assessed values of all residential, commercial, and industrial buildings in the planning area is \$2,686,263,512. Since all of the structures in the planning area are vulnerable to damage, this total represents the countywide property exposure to severe storm events.

3.2 FLOODS

HAZARD IDENTIFICATION

What is the definition of a flood?

The Federal Emergency Management Agency (FEMA) defines a “flood” as a general or temporary condition where two or more acres of normally dry land or two or more properties are inundated by:

- overflow of inland or tidal waters;
- unusual and rapid accumulation or runoff of surface waters from any source;
- mudflows; or
- a sudden collapse or subsidence of shoreline land.

The severity of a flooding event is determined by a combination of topography and physiography, ground cover, precipitation and weather patterns and recent soil moisture conditions. On average, flooding causes more than \$5 billion in damages each year in the U.S. Floods cause utility damage and outages, infrastructure damage (both to transportation and communication systems), structural damage to buildings, crop loss, decreased land values and impede travel.

What types of flooding occur in the County?

There are two main types of flooding that affect Tazewell County: general flooding and flash flooding. General flooding can be broken down into two categories: riverine flooding and shallow flooding. The following provides a brief description of each type.

General Flooding – Riverine Flooding

Riverine flooding occurs when the water in a river or stream gradually rises and overflows its banks. This type of flooding affects low lying areas near rivers, streams, lakes, and reservoirs and generally occurs when:

- persistent storm systems enter the area and remain for extended periods of time,
- winter and spring rains combine with melting snow to fill river basins with more water than the river or stream can handle,
- ice jams create natural dams which block normal water flow, and
- torrential rains from tropical systems make landfall.

General Flooding – Shallow Flooding

Shallow flooding occurs in flat areas where there are no clearly defined channels (i.e., rivers and streams) and water cannot easily drain away. There two main types of shallow flooding: sheet flow and ponding. If the surface runoff cannot find a channel, it may flow out over a large area at a somewhat uniform depth in what’s called sheet flow. In other cases, the runoff may collect in depressions and low-lying areas where it cannot drain out, creating a ponding effect. Ponding floodwaters do not move or flow away, they remain in the temporary ponds until the water can infiltrate the soil, evaporate, or are pumped out.

Flash Floods

Flash flooding occurs when there is a rapid rise of water along a stream or low-lying area. This type of flooding generally occurs within six hours of a significant rain event and is usually produced when heavy localized precipitation falls over an area in a short amount of time. Considered the most dangerous type of flood event, flash floods happen quickly with little or no warning. Typically, there is no time for the excess water to soak into the ground nor are the storm sewers able to handle the sheer volume of water. As a result, streams overflow their banks and low-lying (such as underpasses, basements etc.) areas can rapidly fill with water.

Flash floods are very strong and can tear out trees, destroy buildings and bridges and roll boulders the size of cars. Flash flood-producing rains can also weaken soil and trigger debris flows that damage homes, roads, and property. A vehicle caught in swiftly moving water can be swept away in a matter of seconds. Twelve inches of water can float a car or small SUV and 18 inches of water can carry away large vehicles.

What is a base flood?

A base flood refers to any flood having a 1% chance of occurring in any given year. It is also known as the 100-year flood or the one percent annual chance flood. The base flood is the national standard used by the National Flood Insurance Program (NFIP) and the State of Illinois for the purposes of requiring the purchase of flood insurance and regulating new development.

Many individuals misinterpret the term “100-year flood”. This term is used to describe the risk of future flooding; it does not mean that it will occur once every 100 years. Statistically speaking, a 100-year flood has a 1/100 (1%) chance of occurring in any given year. In reality, a 100-year flood could occur two times in the same year or two years in a row, especially if there are other contributing factors such as unusual changes in weather conditions, stream channelization or changes in land use (i.e., open space land developed for housing or paved parking lots). It is also possible not to have a 100-year flood event over the course of 100 years.

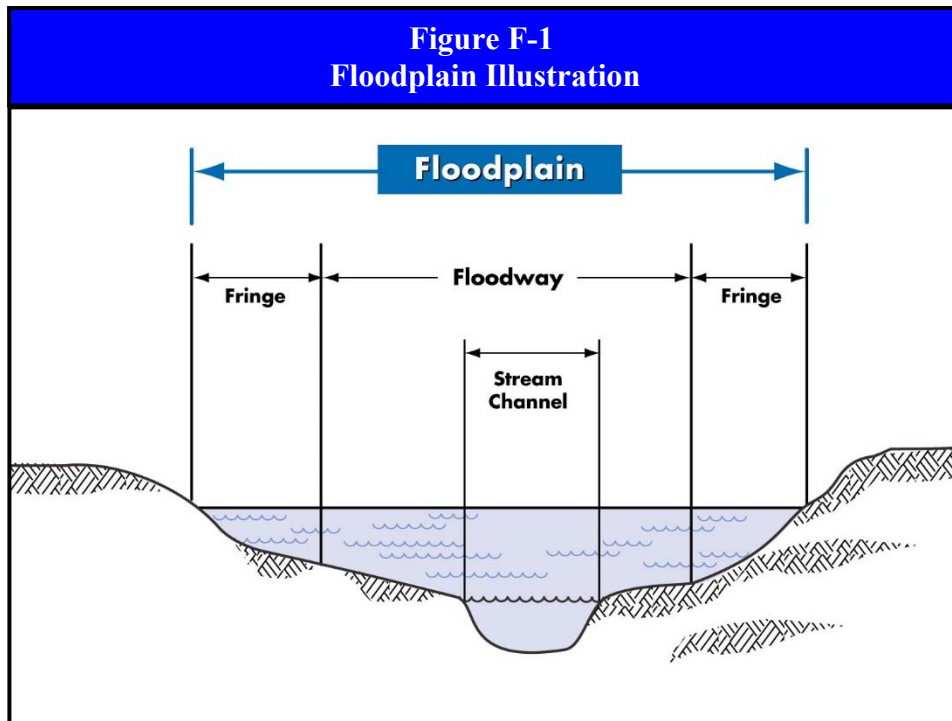
While the base flood is the standard most commonly used for floodplain management and regulatory purposes in the U.S., the 500-year flood is the national standard for protecting critical facilities, such as hospitals and power plants. A 500-year flood has a 1/500 (0.2%) chance of occurring in any given year.

What is a floodplain?

The general definition of a floodplain is any land area susceptible to being inundated or flooded by water from any source (i.e., river, stream, lake, estuary, etc.). This general definition differs slightly from the regulatory definition of a floodplain.

A regulatory or base floodplain is defined as the land area that is covered by the floodwaters of the base flood. This land area is subject to a 1% chance of flooding in any given year. The base floodplain is also known as the 100-year floodplain or a Special Flood Hazard Area (SFHA). It is this second definition that is generally most familiar to people and the one that is used by the NFIP and the State of Illinois.

A base floodplain is divided into two parts: the floodway and the flood fringe. **Figure F-1** illustrates the various components of a base floodplain.



Source: Illinois Department of Natural Resources, Quick Guide to Floodplain Management.

The floodway is the channel of a river or stream and the adjacent floodplain that is required to store and convey the base flood without increasing the water surface elevation. Typically, the floodway is the most hazardous portion of the floodplain because it carries the bulk of the base flood downstream and is usually the area where water is deepest and is moving the fastest. Floodplain regulations prohibit construction within the floodway that results in an increase in the floodwater's depth and velocity.

The flood fringe is the remaining area of the base floodplain, outside of the floodway, that is subject to shallow inundation and low velocity flows. In general, the flood fringe plays a relatively insignificant role in storing and discharging floodwaters. The flood fringe can be quite wide on large streams and quite small or nonexistent on small streams. Development within the flood fringe is typically allowed via permit if it will not significantly increase the floodwater's depth or velocity and the development is elevated above or otherwise protected to the base flood elevation.

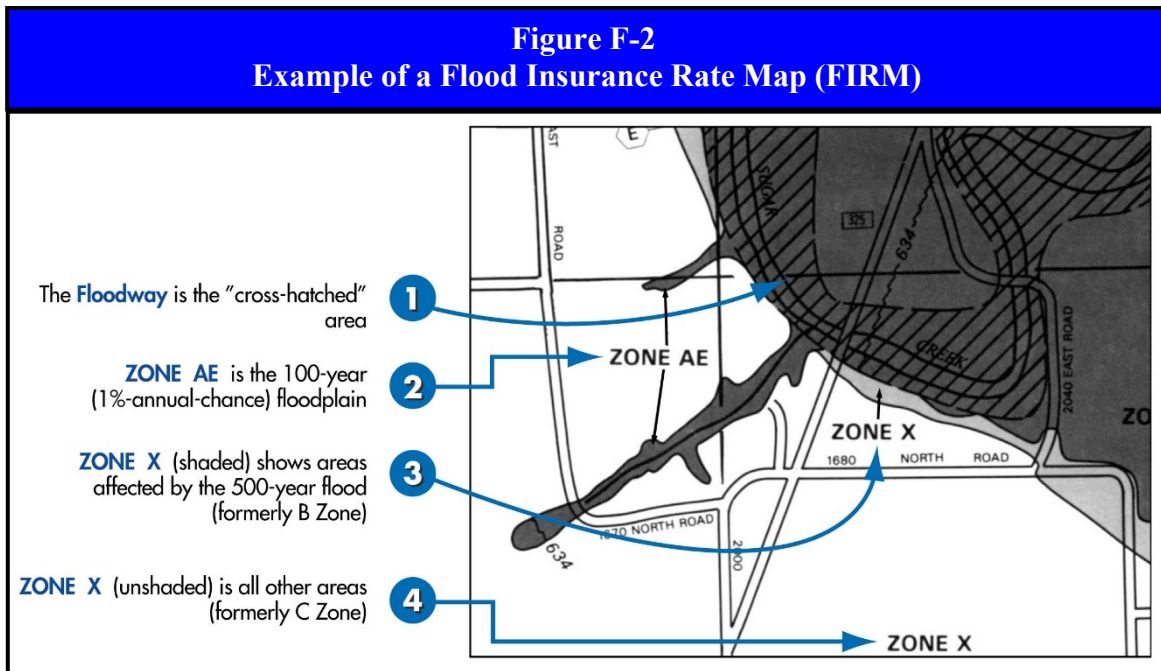
What is a Special Flood Hazard Area?

A Special Flood Hazard Area (SFHA) is the base floodplain. As discussed previously, this is the land area that is covered by the floodwaters of the base flood and has a 1% chance of flooding in any given year. The term SFHA is most commonly used when referring to the based floodplain on the Flood Insurance Rate Maps (FIRM) produced by FEMA. The SFHA is the area where floodplain regulations must be enforced by a community as a condition of participation in the NFIP and the area where mandatory flood insurance purchase requirements apply. SFHA are delineated

on the FIRMs and may be designated as Zones A, AE, A1-30, AO, AH, AR, and A99 depending on the amount of flood data available, the severity of the flood hazard or the age of the flood map.

What are Flood Insurance Rate Maps?

Flood Insurance Rate Maps (FIRMs) are maps that identify both the SFHA and the risk premium zones applicable to a community. These maps are produced by FEMA in association with the NFIP for floodplain management and insurance purposes. Digital versions of these maps are referred to as DFIRMs. **Figure F-2** shows an example of a FIRM.



Source: Illinois Department of Natural Resources, Quick Guide to Floodplain Management.

A FIRM will generally show a community's base flood elevations, flood zones and floodplain boundaries. The information presented on a FIRM is based on historic, meteorological, hydrologic, and hydraulic data as well as open-space conditions, flood-control projects, and development. ***These maps only define flooding that occurs when a creek or river becomes overwhelmed. They do not define overland flooding that occurs when an area receives extraordinarily intense rainfall and storm sewers, and roadside ditches are unable to handle the surface runoff.***

What are flood zones?

Flood zones are geographic areas that FEMA has defined according to varying levels of flood risk and type of flooding. These zones are depicted on a community's FIRM. The following provides a brief description of each flood zone.

- **Zone A.** Zone A, also known as the Special Flood Hazard Area (SFHA) or base floodplain, is defined as the floodplain area that has a 1% chance of flooding in any given year. There are multiple Zone A designations, including Zones A, AO, AH, A1-30, AE, AR or A99. Land areas located within Zone A are considered high-risk flood areas.

During a 30-year period, the length of many mortgages, there is at least a 1 in 4 chance that flooding will occur in a SFHA. The purchase of flood insurance is mandatory for all buildings in SFHAs receiving federal or federally-related financial assistance.

- **Zone X (shaded).** Zone X (shaded), formerly known as Zone B, is defined as the floodplain area between the limits of the base flood (Zone A) and the 0.2% chance or 500-year flood. Land areas located within Zone X (shaded) are affected by the 500-year flood and are considered at a moderate risk for flooding.

Zone X (shaded) is also used to designate base floodplains of lesser hazards, such as areas protected by levees from 100-year flood, shallow flooding areas with average depths of less than one foot or drainage areas less than one square mile. While flood insurance is not federally required in Zone X (shaded), it is recommended for all property owners and renters.

- **Zone X (unshaded).** Zone X (unshaded), formerly known as Zone C, is defined as all other land areas outside of Zone A and Zone X (shaded). Land areas located in Zone X (unshaded) are considered to have a low or minimal risk of flooding. While flood insurance is not federally required in Zone X (unshaded), it is recommended for all property owners and renters.

What is a Repetitive Loss Structure or Property?

FEMA defines a “repetitive loss structure” as a National Flood Insurance Program-insured structure that has received two or more flood insurance claim payments of more than \$1,000 each within any 10-year period since 1978. These structures/properties account for approximately one-fourth of all National Flood Insurance Program (NFIP) insurance claim payments since 1978.

Currently, repetitive loss properties make up about 2% of all NFIP policies, and account for approximately \$9 billion in claims or approximately 16% of the total claims paid over the history of the Program. These structures not only increase the NFIP’s annual losses, but they also drain funds needed to prepare for catastrophic events. As a result, FEMA and the NFIP are working with states and local governments to mitigate these properties.

What is floodplain management?

Floodplain management is the administration of an overall community program of corrective and preventative measures to reduce flood damage. These measures take a variety of forms and generally include zoning, subdivision or building requirements, special-purpose floodplain ordinances, flood control projects, education, and planning. Where floodplain development is permitted, floodplain management provides a framework that minimizes the risk to life and property from floods by maintaining a floodplain’s natural function. Floodplain management is a key component of the National Flood Insurance Program.

What is the National Flood Insurance Program?

The National Flood Insurance Program (NFIP) is a federal program, administered by FEMA, that:

- mitigates future flood losses nationwide through community-enforced building and zoning ordinances; and

- provides access to affordable, federally-backed insurance protection against losses from flooding to property owners in participating communities.

It is designed to provide an insurance alternative to disaster assistance to meet escalating costs of repairing damage to buildings and their contents due to flooding. The U.S. Congress established the NFIP on August 1, 1968 with the passage of the National Flood Insurance Act of 1968. This Program has been broadened and modified several times over the years, most recently with the passage of the Flood Insurance Reform Act of 2004.

Prior to the creation of the NFIP, the national response to flood disasters was generally limited to constructing flood-control projects such as dams, levees, sea-walls, etc. and providing disaster relief to flood victims. While flood-control projects were able to initially reduce losses, their gains were offset by unwise and uncontrolled development practices within floodplains. In light of the continued increase in flood losses and the escalating costs of disaster relief to taxpayers, the U.S. Congress created the NFIP. The intent was to reduce future flood damage through community floodplain management ordinances and provide protection for property owners against potential losses through an insurance mechanism that requires a premium to be paid for protection.

Participation in the NFIP is voluntary and based on an agreement between local communities and the federal government. If a community agrees to adopt and enforce a floodplain management ordinance to reduce future flood risks to new construction in a SFHA (base floodplain), then the government will make flood insurance available within the community as a financial protection against flood losses.

If a community chooses not to participate in the NFIP or a participating community decides not to adopt new floodplain management regulations or amend its existing regulations to reference new flood hazard data provided by FEMA, then the following sanctions will apply.

- Property owners will not be able to purchase NFIP flood insurance policies and existing policies will not be renewed.
- Federal disaster assistance will not be provided to repair or reconstruct insurable buildings located in identified flood hazard areas for presidentially-declared disasters that occur as a result of flooding.
- Federal mortgage insurance and loan guarantees, such as those written by the Federal Housing Administration and the Department of Veteran Affairs, will not be provided for acquisition or construction purposes within an identified flood hazard area. Federally-insured or regulated lending institutions, such as banks and credit unions, are allowed to make conventional loans for insurable buildings in identified flood hazard areas of non-participating communities. However, the lender must notify applicants that the property is in an identified flood hazard area and that it is not eligible for federal disaster assistance.
- Federal grants or loans for development will not be available in identified flood hazard areas under programs administered by federal agencies such as the Environmental Protection Agency, Small Business Administration and the Department of Housing and Urban Development.

What is the NFIP's Community Rating System?

The NFIP's Community Rating System (CRS) is a voluntary program developed by FEMA to provide incentives (in the form of flood insurance premium discounts) for NFIP participating communities that have gone beyond the minimum NFIP floodplain management requirements to develop extra measures to provide protection from flooding. CRS discounts on flood insurance premiums range from 5% up to 45%. The discounts provide an incentive for communities to implement new flood protection activities that can help save lives and property when a flood occurs.

Are alerts issued for flooding?

Yes. The National Weather Service Weather Forecast Office in Lincoln, Illinois is responsible for issuing **flood watches** and **warnings** for Tazewell County depending on the weather conditions. The following provides a brief description of each type of alert.

- **Flood Watches.** A flood watch is issued when flooding or flash flooding is possible. It does not mean that flooding will occur, just that conditions are favorable. Individuals need to be prepared.
- **Flood Advisories.** A flood advisory is issued when flooding may cause significant inconvenience but is not expected to be to pose an immediate threat to life and/or property. Individuals need to be aware.
- **Warnings.** Warnings indicate a serious threat to life and/or property.
 - ❖ **Flood Warning.** A flood warning is issued when flooding is occurring or will occur soon and is expected to last for several days or weeks.
 - ❖ **Flash Flood Warning.** A flash flood warning is issued when flash flooding is occurring or is imminent. Flash flooding occurs very quickly so individuals are advised to take action immediately.

HAZARD PROFILE

The following identifies past occurrences of floods; details the severity or extent of each event (if known); identifies the locations potentially affected; and estimates the likelihood of future occurrences.

When has flooding occurred previously? What is the extent of these previous floods?

Tables 4 and 5, located in **Appendix J**, summarize the previous occurrences as well as the extent or magnitude of flood events recorded in Tazewell County. The flood events are separated into two categories: general floods (riverine and shallow/overland) and flash floods.

General Floods

NOAA's Storm Events Database, NWS's Advanced Hydrologic Prediction Service, and the U.S. Army Corps of Engineers' river gauge data were used to document 126 occurrences of general flooding in Tazewell County between 1950 and 2022. Included in the 126 general flood events are six events that contributed to six federally-declared disasters in Tazewell County.

Based on historical gauge data, the record setting Illinois River flood at Peoria occurred on April 23, 2013 when the River crested at 29.35 feet. The second and third highest crests at this location occurred in 1943 and 1979 respectively.

Flash Floods

NOAA's Storm Events Database and Iowa State University's National Weather Service Watch, Warning, and Advisories database were used to document 40 reported occurrences of flash flooding in Tazewell County between 1996 and 2022. Included in the 40 flash flood events are four events that contributed to two federally-declared disasters in Tazewell County. One of the declarations also included general flood events.

Flood Fast Facts – Occurrences

Number of General Floods Reported (1950 – 2022): **126**

Number of Flash Floods Reported (1990 – 2022): **40**

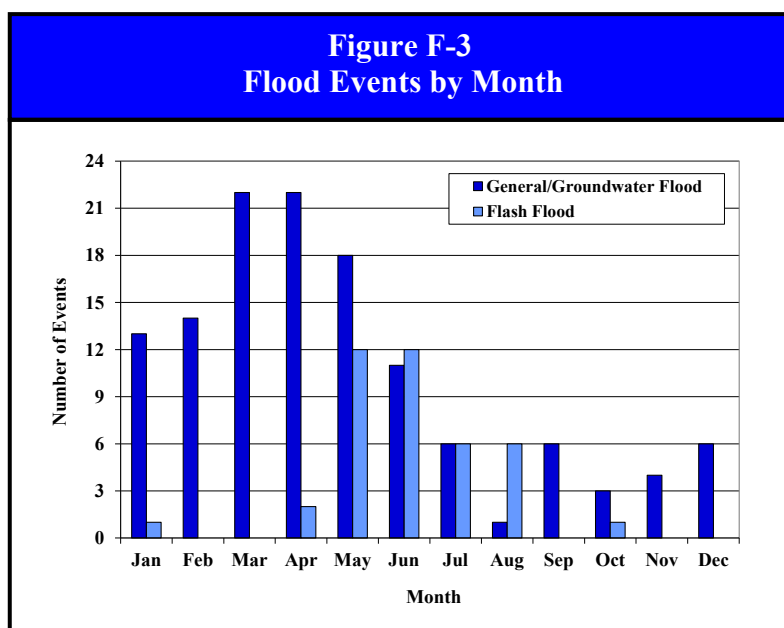
Most Likely Months for General Floods to Occur:

March & April

Most Likely Months for Flash Floods to Occur: **May & June**

Number of Federal Disaster Declarations Related to General and Flash Flooding: **7**

Figure F-3 charts the reported occurrences of flooding by month. Of the 126 general flood events, 62 (49%) began in March, April, and May making this the peak period for general flooding. Of those 62 events, 22 (35%) began during March and 22 (35%) began in April, making these the peaks month for general flooding. There were 61 events that spanned two or more months; however, for illustration purposes only the month the event started in is graphed.



In comparison, 24 of the 40 flash flood events (60%) took place in May and June making this the peak period for flash floods. Of these 24 events, 12 occurred in each month, thus May and June are tied for the peak month for flash flooding. Of the flash flood events with recorded times, 68% began during the p.m. hours.

What locations are affected by floods?

While specific locations are affected by general flooding, most areas of the County can be impacted by overland and flash flooding because of the topography and seasonally high water table of the area. In Tazewell County, approximately 9.0% of the area in the County is designated as being within the base floodplain and susceptible to riverine floods. The 2018 Illinois Natural Hazard Mitigation Plan classifies Tazewell County's hazard rating for floods as "high."

Figure F-4 identifies the floodplains in Tazewell County as well as the participating jurisdictions. This map is based on the most current Tazewell County DFRIMs that became effective February 17, 2017. While a large portion of the area prone to riverine flooding is in unincorporated portions of the County, Armington, Creve Coeur, Deer Creek, Delevan, East Peoria, Hopedale, Mackinaw, Marquette Heights, Morton, North Pekin, Pekin, and Washington are also susceptible to riverine flooding because of their proximity to floodplains. **Appendix K** contains maps identifying the floodplains located in each of the participating municipalities.

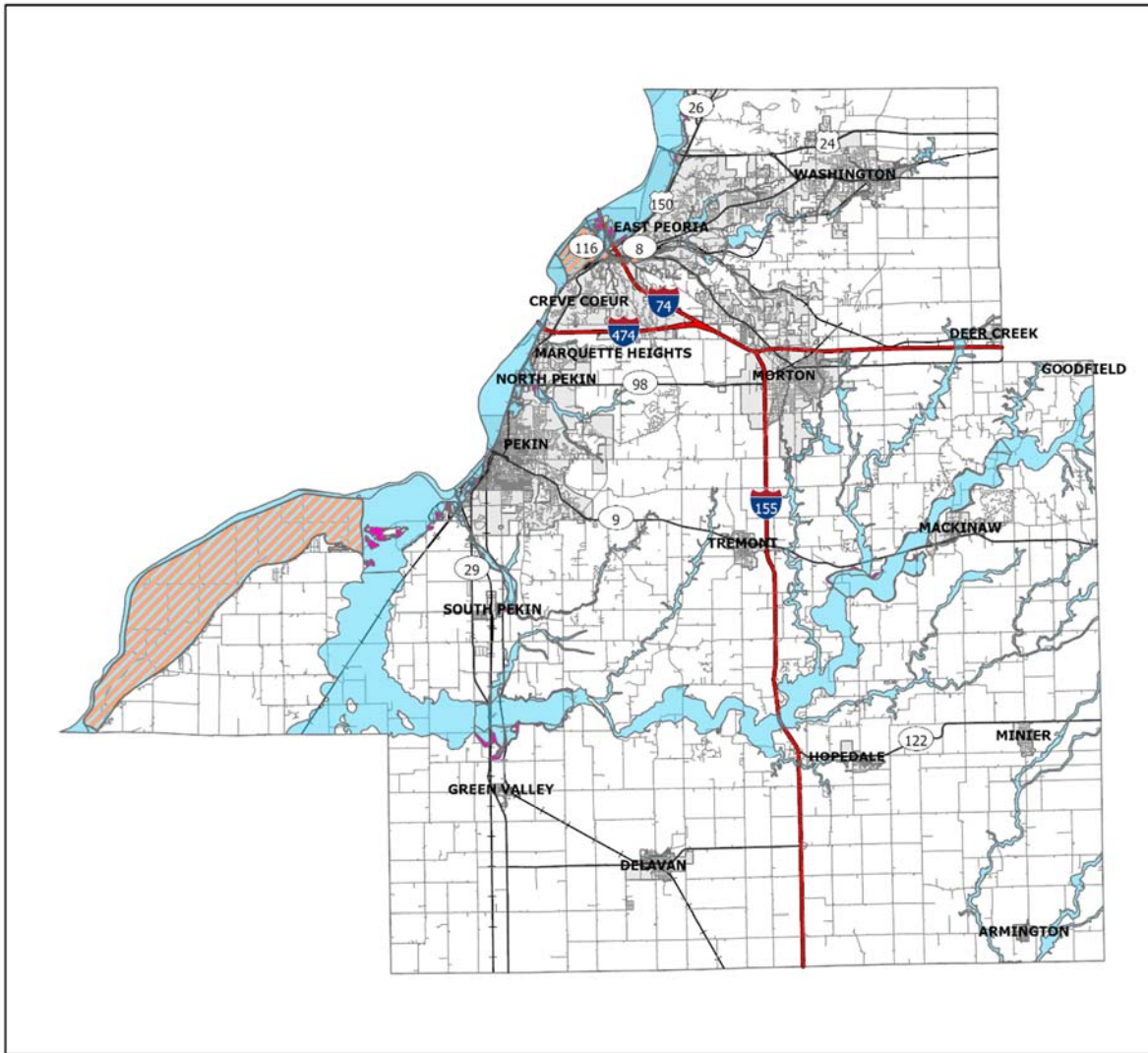
Figure F-5 identifies the bodies of water within or immediately adjacent to participating jurisdictions that are known to cause flooding or have the potential to flood. Water bodies with Special Flood Hazard Areas located within a participating jurisdiction (as identified on the DFIRMs) are identified in bold.

Figure F-5 Bodies of Water Subject to Flooding	
Participating Jurisdiction	Water Bodies
Participating Jurisdiction	Water Bodies
Creve Coeur	Coal Creek, Illinois River , Unnamed Tributary of the Illinois River
East Peoria	Ackerman Creek, Coal Creek, Dempsey Creek, Farm Creek, Farm Creek Diversion Channel, Fond Du Lac Creek, Illinois River, Kerfoot Creek, Peoria Lake, School Creek, Tributary No. 3
Morton	Ackerman Creek, Bull Run Creek, Prairie Creek, Tributary Bull Run Creek
Pekin	Illinois River, Lick Creek, Pekin Lake, Tributary Lick Creek, Worley Lake
Tremont	---
Washington	Farm Creek, Tributary Farm Creek, Tributary No. 1, Tributary No. 1A, Tributary No. 2, Tributary No.3
Unincorporated Tazewell County	Ackerman Creek, Alloway Creek, Breedlove Ditch, Brock Lake, Bull Run Creek, Coal Creek, Crane Creek, Day Ditch, Deer Creek, Dempsey Creek, Dillon Creek, Dry Creek, Farm Creek Diversion Channel, Farm Creek, Fond Du Lac Creek, Funks Branch, Heritage Lake, Hickory Grove Ditch, Hollands Creek, Illinois River, Indian Creek, Kerfoot Creek, Little Lick Creek, Little Mackinaw River, Lost Creek, Mackinaw River, Main Ditch, Main Ditch, Middle Fork Sugar Creek, Minier Lake, Mud River, Northern Oaks Lake, Pekin Lake, Peoria Lake, Powerton Lake, Prairie Creek, Rock Creek, Sargent Slough, School Creek, Spring Creek, Spring Lake Canal, Spring Lake, Ten Mile Creek, Tributary Bull Run Creek, Tributary Indian Creek, Tributary Lick Creek, Tributary Mackinaw River, Tributary Middle Fork Sugar Creek, Tributary No. 1, Tributary No. 2, Tributary No.3, Tributary Walnut Creek, Tributary West Fork Sugar Creek, Upper Peoria Lake, Walnut Creek, West Fork Sugar Creek, West Lake, Whitten Branch, Willow Creek

Source: FEMA's DFIRMs.

**Figure F-4
Floodplain Areas in Tazewell County**

Tazewell County



- | | | | |
|---|----------------------|---|-----------------|
|  | 100 Year Floodplain |  | Interstates |
|  | 500 Year Floodplain |  | US/State Routes |
|  | Levee Protected Area |  | Roadways |
|  | Municipal Boundaries |  | Railroads |

0 2.5 5 10
Miles

Map Created September 2023 in ArcGIS Pro by Callie Smith at American Environmental Corporation
Sources: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, NASA, NGA, USGS, FEMA

Municipal, Township, and County officials have reported overland flood issues outside of the base floodplain in most of the participating municipalities and many unincorporated portions of the County. This overland flooding is known to impair travel.

What jurisdictions within the County take part in the NFIP?

Participating Jurisdictions

Tazewell County, Creve Coeur, East Peoria, Morton, Pekin, Tremont, and Washington participate in the NFIP. **Figure F-6 provides information on each NFIP-participating jurisdiction**, including the date each participant joined, the date of their current effective FIRM and the year of their most recently adopted floodplain zoning ordinance.

Figure F-6 NFIP Participating Jurisdictions							
Participating Jurisdictions	Participation (Date)	Current Effective FIRM (Date)	Floodplain Zoning/FIRM Adoption Ordinance (Year)	Adoption of Minimum NFIP Criteria (Yes/No)*	Local Floodplain Management Regulations Implemented & Enforced (Yes/No)	Position Responsible for Implementation of NFIP Commitments/ Requirements	CRS Participation
Tazewell County	08/01/1980	02/17/2017	2017	Yes	Yes	Community Development Administrator	No
Creve Coeur	07/23/1981	02/17/2017	2016	Yes	Yes	Building Inspector	No
East Peoria	12/04/1979	02/17/2017	2017	Yes	Yes	Director of Buildings & Inspections	No
Morton	09/02/1988	02/17/2017	2017	Yes	Yes	Flood Plain Administrator	No
Pekin	06/04/1980	02/17/2017	2017	Yes	Yes	Chief Code Enforcement Officer	No
Tremont	11/27/2017	02/17/2017 (NSFHA)	2017	Yes	Yes	Village President	No
Washington	02/05/2017	02/17/2017	2017	Yes	Yes	Building Official	No

* In Tazewell County, all the NFIP-participating jurisdictions have adopted the State of Illinois model floodplain ordinance. This ordinance goes above and beyond NFIP minimum standards and has much more restrictive floodway regulations. As a result, all of the NFIP-participating jurisdictions are in compliance with NFIP requirements.

Discussions with the individuals responsible for implementation of the NFIP commitments and requirements within their jurisdiction and a review of the participating jurisdictions floodplain ordinances indicates that each monitor flood events and, when applicable, conduct substantial damage determinations for structures within the floodplain using FEMA's Substantial Damage Estimator Tool. For structures that meet the definition of substantial damage (total cost of repairs is 50% or more of the structure's market value before the disaster occurred, regardless of the cause of damage), the owners are notified, and the structure must be brought back into compliance with local floodplain management regulations.

Participating jurisdictions will continue to comply with the NFIP by implementing mitigation projects and activities that enforce this ordinance to reduce future flood risks to new construction within the SFHA. At this time no new construction is planned within the base floodplain. Continued compliance with NFIP requirements is addressed in the Mitigation Action Tables of the participating jurisdictions found in Section 4.7.

Non-Participating Jurisdictions

Figure F-7 provides information on those incorporated municipalities within the County that chose not to participate in the planning process but take part in the NFIP. Green Valley and South Pekin have no identified flood hazard boundaries within their corporate limits and have chosen not to participate in the Program.

Figure F-7 Non-Participating Jurisdiction NFIP Status				
Participating Jurisdictions	Participation Date	Current Effective FIRM Date	CRS Participation	Most Recently Adopted Floodplain Zoning Ordinance
Armington	07/03/1985	02/17/2017	No	2017
Deer Creek	07/03/1985	02/17/2017	No	2017
Delavan	05/28/2002	02/17/2017	No	2017
Hopedale	07/18/1985	02/17/2017	No	2017
Mackinaw	07/03/2017	02/17/2017	No	2017
Marquette Heights	07/03/1985	02/17/2017	No	2017
Minier	11/05/1986	02/17/2017	No	2017
North Pekin	06/04/1980	02/17/2017	No	2017

Sources: FEMA, Community Status Book Report: Illinois.

What is the probability of future flood events occurring based on historical data?

General Floods

Tazewell County has had 126 verified occurrences of general flooding between 1950 and 2022. With 126 occurrences over the past 73 years, the County should expect at least one general flood event in any given year. There were 35 years over the past 73 years where two or more general flood events occurred. This indicates that the probability or likelihood that more than one general flood event may occur during any given year within the County is 48%.

Flash Floods

There have been 40 verified flash flood events between 1990 and 2022. With 40 occurrences over the past 33 years, the County should expect at least one flash flood event in any given year. There were 11 years over the past 33 years where two or more flash flood events occurred. This indicates that the probability that more than one flash flood event may occur during any given year within the County is approximately 33%.

What is the probability of future flood events occurring based on modeled future conditions?

In the last 120 years, total annual precipitation in Illinois has increased by between 12% to 15% across the State. This means, according to the Illinois State Climatologist, that we get about an additional 5 inches of yearly rainfall compared to what was expected historically.

This trend is likely to continue, and as a result, precipitation in Illinois is forecasted to increase in coming decades. In addition to changes in the overall amount of precipitation, changes in precipitation patterns indicate that future events will likely be less frequent, but larger and more severe. The Illinois State Climatologist indicates that since the beginning of the 20th Century, Illinois has seen a 40% increase in the number of days with extreme precipitation events (rainfall of 2 inches or greater) per year.

One result of more precipitation overall and an increase in heavy rain events is an increased risk of flooding. In particular, extreme precipitation events are likely to lead to flash floods along rivers and in urban areas, where impermeable surfaces such as buildings, roads, and sidewalks will make drainage systems more likely to be overwhelmed. Rural areas will face different challenges, most notably those close to rivers and in low-lying areas with little or no drainage capability.

Figures SS-8 and SS-9, located in Section 3.1, provide tabular and graphical projections for Tazewell County, showing estimations for average annual precipitation in the early, mid, and late 21st century with both low and high estimates for each time period. Most likely, the true value will fall between these two estimates. By midcentury, the average annual precipitation in Tazewell County is projected to increase by 1.5 to 2 inches per year, while the average number of days with precipitation per year is projected to decrease by 3 to 4 days according to the Climate Mapping for Resilience and Adaptation's Assessment Tool.

By midcentury, the annual number of days with total precipitation greater than 1 inch is projected to increase by one day. The annual number of days with total precipitation greater than 2 inches is not projected to increase significantly. This is confirmed by the Climate Explorer, which indicates that in Tazewell County the annual counts of intense rainstorms (rainfall of 2 inches or greater in once day) are not projected to increase. This is based on the findings of the 2018 National Climate Assessment and compares projections for the middle third of the century (2035-2064) with average conditions observed from 1961-1990.

Taken together, the projected increase in annual rainfall, the decrease in frequency of rain events, and the negligible threat of intense rain events in Tazewell County means that the likelihood of flooding may be slightly higher than it is today.

HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure, and critical facilities from floods.

Several factors including topography, precipitation, and an abundance of rivers and streams make Illinois especially vulnerable to flooding. According to the Illinois State Water Survey's Climate Atlas of Illinois, since the 1940s Illinois climate records have shown an increase in heavy precipitation, which has led to increased flood peaks on Illinois rivers.

Are the participating jurisdictions vulnerable to flooding?

Yes. Tazewell County and the participating jurisdictions are vulnerable to the dangers presented by flooding. Precipitation levels and topography are factors that cumulatively make virtually the entire County susceptible to some form of flooding. Flooding occurs along the floodplains of all the rivers, streams, and creeks within the County as well as outside of the floodplains in low-lying areas where drainage problems occur. Since 2013, Tazewell County has experienced 25 general flood events and 22 flash flood events.

Figure F-8 details the number of *recorded* flash flood events by participating jurisdiction. All of the general flood events impacted either a large portion or the entire County and were not location specific.

Figure F-8 Verified Flash Flood Events by Participating Jurisdiction		
Participating Jurisdiction	Number	Year
Creve Coeur ^{1,2}	16	1990, 1990, 1993, 1993, 1999, 2000, 2001, 2001, 2007, 2008, 2010, 2011, 2015, 2015, 2019, 2020
East Peoria ^{1,2}	23	1990, 1990, 1993, 1993, 2001, 2004, 2008, 2015, 2016, 2019, 2020, 2020
Morton ¹	13	1990, 1990, 1990, 1993, 1993, 2001, 2004, 2008, 2015, 2016, 2019, 2020, 2021
Pekin ³	13	1990, 1990, 1990, 1993, 1993, 2001, 2001, 2004, 2008, 2015, 2019, 2020, 2020
Tremont	8	1990, 1990, 1993, 1993, 2001, 2008, 2015, 2019
Washington	13	1990, 1990, 1993, 1993, 2001, , 2002, 2008, 2015, 2016, 2019, 2022, 2022
countywide	8	1990, 1990, 1993, 1993, 2001, 2008, 2015, 2019
western portion of the County	4	2010, 2010, 2013, 2017
northwestern portion of the County	1	2018
northern portion of the County	4	2010, 2013, 2013, 2017
northeastern portion of the County	2	2011, 2018
eastern portion of the County	4	2011, 2013, 2013, 2016
southern portion of the County	4	2013, 2015, 2015, 2016
southwestern portion of the County	2	2011, 2015
central portion of the County	2	2015, 2018

¹East Peoria CHSD 309

²East Peoria D&LD

³ Pekin Park District

Vulnerability to flooding can change depending on several factors, including land use. As land used primarily for agricultural and open space purposes is converted for residential and commercial/industrial uses, the number of buildings and impervious surfaces (i.e., parking lots, roads, sidewalks, etc.) increases. As the number of buildings and impervious surfaces increases, so too does the potential for flash flooding. Rather than infiltrating the ground slowly, rain and snowmelt that falls on impervious surfaces runs off and fills ditches and storm drains quickly creating drainage problems and flooding.

According to the Multi-Resolution Land Characteristics (MRLC) Consortium, approximately 10.4% of the County's land cover was considered developed with 4.8% impervious surfaces. Areas with impervious surface rates approaching or exceeding 12 to 15 percent will likely

experience negative impacts to water quality. Between 2016 and 2021 approximately 2.6 square miles or 0.4% of the land cover in the County changed with 0.24 square miles of development and 0.36 square miles of impervious surfaces gained.

As described in Section 1.3 Land Use and Development Trends, substantial changes in land use (from forested, open, and agricultural land to residential, commercial, and industrial) are not anticipated within the County in the immediate future. No substantial increases in residential or commercial/industrial developments are expected within the next five years.

Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of flooding?

Yes. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, the following jurisdictions considered specific assets within their jurisdiction vulnerable to flooding.

Tazewell County:

The Mackinaw Valley Park Subdivision between South Pekin and Green Valley in unincorporated Tazewell County floods.

Creve Coeur:

The Village's wastewater and drinking water treatment plants are located within the base floodplain of the Illinois River and vulnerable to flooding.

East Peoria:

The City is located on the Illinois River which presents challenges when it floods for properties along the riverfront, including access. Much of the recent commercial development has occurred in areas near the River that have the potential to be vulnerable to flooding.

East Peoria CHSD #309:

A July 2020 flash flood event caused approximately \$1.25 million in damage to the High School and football stadium.

Morton:

- ❖ One of the Village's greatest vulnerabilities is flooding. The topography is flat and upstream watershed contribute flow through the Village which lies in a natural basin and has a naturally high water table.
- ❖ Flooding has caused damage to outfalls adjacent to the streams.

Pekin:

The wastewater treatment plant and office are located in the base floodplain of the Illinois River and have been damaged by floods in the past, most notably in 2013. Temporary flood protection is often needed.

Pekin Park District:

The Illinois River has flooded the Riverfront Park and the rail line that runs through the Park.

Washington:

- ❖ One of the City's public works facilities is located in a base floodplain, while the Police Station is adjacent to the floodplain.
- ❖ Flooding has impacted access to wastewater treatment plant #2.

What impacts resulted from the recorded floods?

Floods as a whole have caused a minimum of \$58.4 million in property damages and \$8.2 million in crop damages. The following provides a breakdown by category. In comparison, the State of Illinois has averaged an estimated \$257 million annually in property damage losses, making flooding the single most financially damaging natural hazard in Illinois.

General Floods

Data obtained from NOAA's Storm Events Database and Committee member records indicates that between 1950 and 2022, four of the 126 general flood events caused \$25,581,000 in property damages and \$8,250,000 in crop damages. Included in the damage totals is \$2.5 million in property damage and \$250,000 in crop damage sustained as a result of the 1974 flood event and represent losses incurred by Tazewell, Woodford, and Peoria Counties. A breakdown by county was not available. Damage information was either unavailable or none was recorded for the remaining 122 reported occurrences. No injuries or fatalities were reported as a result of any of the recorded events.

Flash Floods

Data obtained from NOAA's Storm Events Database indicates that between 1990 and 2022, two of the 40 flash flood events caused \$32,890,000 in property damages. Damage information was either unavailable or none was recorded for the remaining 38 reported occurrences. No injuries or fatalities were reported as a result of any of the recorded events.

What other impacts can result from flooding?

One of the primary threats from flooding is drowning. Nearly half of all flash flood fatalities occur in vehicles as they are swept downstream. Most of these fatalities take place when people drive into flooded roadway dips and low drainage areas. It only takes two feet of water to carry away most vehicles.

Floodwaters also pose biological and chemical risks to public health. Flooding can force untreated sewage to mix with floodwaters. The polluted floodwaters then transport the biological contaminants into buildings and basements and onto streets and public areas. If left untreated, the floodwaters can serve as breeding grounds for bacteria and other disease-causing agents. Even if floodwaters are not contaminated with biological material, basements and buildings that are not properly cleaned can grow mold and mildew, which can pose a health hazard, especially for small children, the elderly, and those with specific allergies.

Flood Fast Facts – Impacts/Risk

General Flood Impacts:

- ❖ Total Property Damage (3 events): **\$25,581,000[^]**
- ❖ Total Crop Damage (2 events): **\$8,250,000[^]**
- ❖ Injuries: **n/a**
- ❖ Fatalities: **n/a**

Flash Flood Impacts:

- ❖ Total Property Damage (2 events): **\$32,890,000**
- ❖ Total Crop Damage: **n/a**
- ❖ Injuries: **n/a**
- ❖ Fatalities: **n/a**

Flood Risk/Vulnerability to:

- ❖ Public Health & Safety – General Flooding: **Low**
- ❖ Public Health & Safety – Flash Flooding: **Medium**
- ❖ Buildings/Infrastructure/Critical Facilities: **Medium to High**

[^] Includes \$2.5 million in property damages and \$250,000 in crop damages sustained as a result of the 1974 flood event and represents losses incurred by Tazewell, Woodford, and Peoria counties. A breakdown by county as not available.

Flooding can also cause chemical contaminants such as gasoline and oil to enter the floodwaters if underground storage tanks or pipelines crack and begin leaking during a flood event. Depending on the time of year, floodwaters also may carry away agricultural chemicals that have been applied to farm fields.

Structural damage, such as cracks forming in a foundation, can also result from flooding. In most cases, however, the structural damage sustained during a flood occurs to the flooring, drywall, and wood framing. In addition to structural damage, a flood can also cause serious damage to a building's content.

Infrastructure and critical facilities are also vulnerable to flooding. Roadways, culverts, and bridges can be weakened by floodwaters and have been known to collapse under the weight of a vehicle. Buried power and communication lines are also vulnerable to flooding. Water can infiltrate lines and cause disruptions in power and communication.

What is the level of vulnerability to public health and safety from floods?

While both general and flash floods occur on a regular basis within the County, the number of injuries and fatalities is low. In terms of the risk or vulnerability to public health and safety from general floods, the risk is seen as **low**. However, one-quarter of the recorded flood events were the result of flash flooding. Since there is very little warning associated with flash flooding the risk to public health and safety from flash floods is elevated to **medium**.

Are there any repetitive loss structures/properties within Tazewell County?

Yes. According to information obtained from IEMA-OHS, there are two repetitive loss structures located East Peoria, three in Green Valley, one in Creve Coeur, one in Delevan, one in Pekin, and 14 in unincorporated Tazewell County. As described previously, FEMA defines a "repetitive loss structure" as an NFIP-insured structure that has received two or more flood insurance claim payments of more than \$1,000 each within any 10-year period since 1978.

Figure F-9 identifies the repetitive flood loss structures by jurisdiction and provides the total flood insurance claim payments. The exact location and/or address of the insured structures are not included in this Plan to protect the owners' privacy. According to FEMA, there have been 71 flood insurance claim payments totaling \$665,182.51 for the 22 repetitive flood loss structures.

Figure F-9 Repetitive Flood Loss Structures						
Jurisdiction	Structure Type	Number of Structures	Number of Claim Payments	Flood Insurance Claim Payments		Total Flood Insurance Claim Payments
				Structure	Contents	
Creve Coeur	Single Family	1	3	\$14,353.45	0.00	\$14,353.45
Delavan	Single Family	1	3	\$39,023.72	\$13,007.91	\$52,031.63
East Peoria	Single Family	2	8	\$63,533.49	\$10,095.86	\$73,629.35
Green Valley	Single Family	3	11	\$145,207.29	\$84,417.06	\$229,624.35
Pekin	Single Family	1	3	\$2,501.64	\$963.50	\$3,465.14
Unincorp. County	Single Family	14	43	\$231,806.66	\$60,271.93	\$292,078.59
Total:		22	71	\$496,426.25	\$168,756.26	\$665,182.51

Source: Illinois Emergency Management Agency and Office of Homeland Security

Are existing buildings, infrastructure and critical facilities vulnerable to flooding?

Yes. **Figure F-10** identifies the estimated number of existing structures by participating jurisdiction located within a base floodplain. These counts were prepared by the Consultant using FEMA's National Flood Hazard Layer and building footprints prepared by the Illinois State Water Survey.

Figure F-10 Existing Buildings, Infrastructure and Critical Facilities Located in a Base Floodplain by Participating Jurisdiction							
Participating Jurisdiction	Residential			Residential Garages	Businesses (Commercial/Industrial)	Miscellaneous (Barns, Sheds, Silos)	Infrastructure/ Critical Facilities
	Houses	Duplexes	Apartment Complexes				
Creve Coeur ^{1,2}	2	---	---	1	19	7	8
East Peoria ^{1,2}	3	1	---	---	112	22	9
Morton ¹	15	---	---	---	2	11	1
Pekin ³	48	---	3	---	66	26	12
Tremont	---	---	---	---	---	---	---
Washington	64	1	---	---	4	34	3
Unincorp. Tazewell County	127	---	---	---	52	214	12

¹East Peoria CHSD 309

²East Peoria D&LD

³Pekin Park District

Figure F-11 identifies the estimated number of existing structures by participating jurisdiction located within a levee-protected floodplain associated with the East Peoria Sanitary District and East Peoria Drainage & Levee District.

Aside from key roads, bridges, electrical substations, and buried power and communication lines, the following provides a description of those jurisdictions that have specific infrastructure/critical facilities located within a floodplain.

Creve Coeur: The Village's wastewater and drinking water treatment plants are located in the base floodplain of the Illinois River.

Figure F-11
Existing Buildings, Infrastructure and Critical Facilities Located in a
Levee-Protected Floodplain by Participating Jurisdiction

Participating Jurisdiction	Residential			Residential Garages	Businesses (Commercial/Industrial)	Miscellaneous (Barns, Sheds, Silos)	Infrastructure/ Critical Facilities
	Houses	Duplexes	Apartment Complexes				
Creve Coeur ^{1,2}	---	---	---	---	1	---	4
East Peoria ^{1,2}	854	18	22	---	245	411	32
Unincorp. Tazewell County	1	---	---	---	1	3	---

¹East Peoria CHSD 309²East Peoria D&LD³Pekin Park District

East Peoria: The City's wastewater treatment plant #3 is located in the base floodplain of the Illinois River. The City Hall, Central House fire station, police department, and wastewater treatment plant #1 are protected from the 1% annual chance flood of the Illinois River by a levee system that has been provisionally accredited while drinking water wells #8 and Catherine, Central Junior High School and part of the East Peoria Community High School are also protected from the 1% annual chance flood of Farm Creek by a provisionally-accredited levee system. While protected, overtopping or failure of any levee system is possible, leaving these critical facilities with a moderate flood risk according to FEMA. The Oakwood drinking water treatment plant is located adjacent to the floodway of Fondulac Creek while the Meadow drinking water treatment plant is located adjacent to the floodway of Dempsey Creek.

Morton: The Village's wastewater treatment plant #2 is located adjacent to the Prairie Creek floodway and the base floodplain of Bull Run Creek. Wastewater treatment plant #3 is located adjacent to the base floodplain of Ackerman Creek.

Pekin: The City's wastewater treatment plant is located in the base floodplain of the Illinois River.

Washington: The City's drinking water treatment plant #1 and Jefferson maintenance shop are both located in the base floodplain/500-year floodplain of Farm Creek while the police station is partially located in the 500-year floodplain of Farm Creek. Both sewer treatment plant # 1 and #2 are located adjacent to the base floodplain of Farm Creek while water tower #1 is located adjacent to the 500-year floodplain of Farm Creek.

While about 9% of the land area in Tazewell County lies within the base floodplain and is susceptible to riverine flooding, ***almost the entire County is vulnerable to flash flooding***. As a result, ***a majority of the buildings, infrastructure and critical facilities that may be impacted by flooding are located outside of the base floodplain and are not easily identifiable***.

The risk or vulnerability of existing buildings, infrastructure and critical facilities to all forms of flooding is considered to be ***medium to high*** based on: (a) the frequency and severity of recorded flood events within the County; (b) the County's proximity to the Illinois River; (c) the fact that most of the County is vulnerable to flash flooding; and (d) a majority of the buildings, infrastructure and critical facilities that may be impacted are located outside of the base floodplain.

Are future buildings, infrastructure and critical facilities vulnerable to flooding?

The answer to this question depends on the type of flooding being discussed.

Riverine Flooding

In terms of riverine flooding, the vulnerability of future buildings, infrastructure and critical facilities located within NFIP-participating jurisdictions is low as long as the existing floodplain ordinances are enforced. Enforcement of the floodplain ordinance is the mechanism that ensures that new structures either are not built in flood-prone areas or are elevated or protected to the base flood elevation.

Flash Flooding

In terms of flash flooding, all future buildings, infrastructure and critical facilities are still vulnerable depending on the amount of precipitation that is received, the topography and any land use changes undertaken within the participating jurisdictions.

What are the potential dollar losses to vulnerable structures from flooding?

An estimate of the potential dollar losses to vulnerable residential structures located within the participating municipalities can be calculated if several assumptions are made. These assumptions represent a probable scenario based on the reported occurrences of flooding in Pike County.

The purpose of providing an estimate is to help residents and local officials make informed decisions about how they can better protect themselves and their communities. These estimates are meant to provide a **general idea** of the magnitude of the potential damage that could occur from a flood event in each of the participating municipalities.

Assumptions

To calculate the overall potential dollar losses to vulnerable residential structures from a flood, a set of decisions/assumptions must be made regarding:

- type of flood event;
- scope of the flood event;
- number of potentially-damaged housing units;
- value of the potentially-damaged housing units; and
- percent damage sustained by the potentially-damaged housing units (i.e., damage scenario.)

The following provides a detailed discussion of each decision/assumption.

Type of Flood Event. The first step towards calculating the potential dollar losses to vulnerable residential structures is to determine the type of flood event that will be used for this scenario. While the County has experienced all forms of flooding, riverine floods have occurred with greater regularity in the County. In addition, identifying residential structures vulnerable to flash flooding is problematic because most are located outside of the base floodplain and the number of structures impacted can change with each event depending on the amount of precipitation received, the topography and the land use of the area.

Assumption #1

A riverine flood event will impact vulnerable residential structures.

Therefore, a riverine flood event will be used since it is (a) relatively easy to identify vulnerable residential structures within each municipality (i.e., those structures located within the base floodplain or Special Flood Hazard Areas of any river, stream or creek); and (b) the number of structures impacted is generally the same from event to event.

Scope of the Flood Event. To establish the number of vulnerable residential structures (potentially-damaged housing units), the scope of the riverine flood event must first be determined. In this scenario, the scope refers to the number of rivers, streams and creeks that overflow their banks and the degree of flooding experienced along base floodplains for each river, stream and creek.

Assumption #2

All base floodplains will flood and experience the same degree of flooding.

Generally speaking, a riverine flood event only affects one or two rivers or streams at a time depending on the cause of the event (i.e., precipitation, snow melt, ice jam, etc.) and usually does not produce the same degree of flooding along the entire length of the river, stream or creek. However, for this scenario, it was decided that:

- ❖ all rivers, streams and creeks with base floodplains would overflow their banks, and
- ❖ the base floodplains of each river, stream and/or creek located within the corporate limits of each municipality would experience the same degree of flooding.

This assumption results in the following conditions for each municipality:

- Tremont would not experience any residential flooding since there are no river, stream or creek base floodplains located within its municipal limits;
- Creve Coeur: The Illinois River would overflow its banks and flood the western portion of the Village;
- East Peoria: The Illinois River, Farm Creek, Farm Creek Diversion Channel, Fondulac Creek, School Creek, Dempsey Creek, Tributary No. 3, Cole Creek, Kerfoot Creek, Ackerman Creek and their tributaries would overflow their banks and flood portions of the City;
- Morton: Prairie Creek, Bull Run Creek, Ackerman Creek and their tributaries would overflow their banks and flood portions of the Village;
- Pekin: The Illinois River, Lick Creek and their tributaries would overflow their banks and flood portions of the City;
- Washington: Farm Creek, Tributary No. 1, Tributary 1A, Tributary No. 2, Tributary No. 3 and their tributaries would overflow their banks and flood portions of the City.

Number of Potentially-Damaged Housing Units. Since this scenario assumes that all the base floodplains will experience the same degree of flooding, the number of existing residential structures located within the base floodplain(s) can be used to determine the number of potentially-

Assumption #3

The number of existing residential structures located within the base floodplain(s) will be used to determine the number of potentially-damaged housing units.

damaged housing units. **Figures F-10 and F-11** identifies the total number of existing residential structures located within the base and levee-protected floodplains(s) of each participating jurisdiction. These counts were prepared by the Consultant.

While accredited and provisionally-accredited levees provide protection from the 1% annual chance flood (100-year flood) and reduce the risk of flooding, they cannot eliminate all flood risk. There is always the chance a flood will overtop or breach a levee allowing floodwaters to inundate the protected areas behind. As a result, it was decided that those structures located in the levee-protected floodplains would be included in the number of potentially-damaged housing units.

Value of Potentially-Damaged Housing Units.

Now that the number of potentially-damaged housing units has been determined, the monetary value of the units must be calculated. Typically, when damage estimates are prepared after a natural disaster such as a flood, they are based on the market value of the structure. Since it would be impractical to determine the individual market value of each potentially-damaged housing unit, the average market value for a residential structure will be used.

Assumption #4

The average market value for a residential structure will be used to determine the value of potentially-damaged housing units.

To determine the average market value, the average assessed value must first be calculated. The average assessed value is determined by taking the total assessed value of residential buildings within a jurisdiction and dividing that number by the total number of housing units within the jurisdiction. The average market value is then determined by taking the averaged assessed value and multiplying that number by three (the assessed value of a structure in Pike County is approximately one-third of the market value). **Figure F-12** provides a sample calculation. The total assessed value is based on 2022 tax assessment information provided by the Tazewell County Clerk's Office. **Figure F-13** provides the average assessed value and average market value for each participating municipality.

**Figure F-12
Sample Calculation of Average Assessed Value & Average Market Value – Creve Coeur**

Average Assessed Value

Total Assessed Value of Residential Buildings in the Jurisdiction ÷ Total Housing Units
in the Jurisdiction = Average Assessed Value

Creve Coeur: \$39,537,045 ÷ 2,284 housing units = \$17,310

Average Market Value

Average Assessed Value x 3 = Average Market Value (Rounded to the Nearest Dollar)

Creve Coeur: \$17,310 x 3 = \$51,930

Figure F-13 Average Market Value of Housing Units by Participating Municipality				
Participating Jurisdiction	Total Assessed Value of Residential Buildings (2022)	Total Housing Units (2017-2021)	Average Assessed Values	Average Market Value (2022)
Creve Coeur ^{1,2}	\$39,537,045	2,284	\$17,310	\$51,930
East Peoria ^{1,2}	\$327,064,080	10,697	\$30,575	\$91,725
Morton ¹	\$383,333,665	7,554	\$50,746	\$152,238
Pekin ³	\$330,271,161	15,098	\$21,875	\$65,625
Tremont	\$41,518,945	1,059	\$39,206	\$117,618
Washington	\$310,882,740	6,384	\$48,697	\$146,091

¹East Peoria CHSD 309²East Peoria D&LD³Pekin Park District

Source: Tazewell County Clerk's Office.

Damage Scenario. The final decision that must be made to calculate potential dollar losses is to determine the percent damage sustained by the structure and the structure's contents during the flood event. In order to determine the percent damage using FEMA's flood loss estimation tables, assumptions must be made regarding (a) the type of residential structure flooded (i.e., manufactured home, one story home without a basement, one- or two-story home with a basement, etc.) and (b) the flood depth. **Figure F-14** calculates the percent loss to a structure and its contents for different scenarios based on flood depth and structure type.

Assumption #5

The potentially-damaged housing units are one or two-story homes with basements and the flood depth is two feet.

Structural Damage = 20%

Content Damage = 30%

**Figure F-14
FEMA Flood Loss Estimation Tables**

Flood Building Loss Estimation Table

Flood Depth (feet)	One Story No Basement (% Building Damage)	Two Story No Basement (% Building Damage)	One or Two Story With Basement (% Building Damage)	Manufactured Home (% Building Damage)
-2	0	0	4	0
-1	0	0	8	0
0	9	5	11	8
1	14	9	15	44
2	22	13	20	63
3	27	18	23	73
4	29	20	28	78
5	30	22	33	80
6	40	24	38	81
7	43	26	44	82
8	44	29	49	82
>8	45	33	51	82

Flood Content Loss Estimation Table

Flood Depth (feet)	One Story No Basement (% Contents Damage)	Two Story No Basement (% Contents Damage)	One or Two Story With Basement (% Contents Damage)	Manufactured Home (% Contents Damage)
-2	0	0	6	0
-1	0	0	12	0
0	13.5	7.5	16.5	12
1	21	13.5	22.5	66
2	33	19.5	30	90
3	40.5	27	34.5	90
4	43.5	30	42	90
5	45	33	49.5	90
6	60	36	57	90
7	64.5	39	66	90
8	66	43.5	73.5	90
>8	67.5	49.5	76.5	90

Source: FEMA, Understanding Your Risks: Identifying Hazards and Estimating Losses

For this scenario it is assumed that the potentially-damaged housing units are one or two-story homes with basements and the flood depth is two feet. With these assumptions the expected percent damage sustained by the **structure** is estimated to be 20% and the expected percent damage sustained by the structure's **contents** is estimated to be 30%.

Potential Dollar Losses

Now that all of the decisions/assumptions have been made, the potential dollar losses can be calculated. First the potential dollar losses to the **structure** of the potentially-damaged housing units must be determined. This is done by taking the average market value for a residential structure and multiplying that by the percent damage 20% to get the average structural damage per unit. Next the average structural damage per unit is multiplied by the number of potentially-damaged housing units. **Figure F-15** provides a sample calculation.

Figure F-15 <i>Structure: Potential Dollar Loss Sample Calculation – Creve Coeur</i>	
Average Market Value of a Housing Unit with the Jurisdiction x Percent Damage =	
Average Structural Damage per Housing Unit	
Creve Coeur: \$51,930 x 20% = \$10,386 per housing unit	
Average Structural Damage x Number of Potentially-Damaged Housing Units within the Jurisdiction = Structure Potential Dollar Losses	
(Rounded to the Nearest Dollar)	
Creve Coeur: \$10,386 per housing unit x 2 housing units = \$20,772	

Next the potential dollar losses to the **content** of the potentially-damaged housing units must be determined. Based on FEMA guidance, the value of a residential housing unit's content is approximately 50% of its market value. Therefore, start by taking one-half the average market value for a residential structure and multiply that by the percent damage 30% to get the average content damage per unit. Then take the average content damage per unit and multiply that by the number of potentially-damaged housing units. **Figure F-16** provides a sample calculation.

Figure F-16 <i>Content: Potential Dollar Loss Sample Calculation – Creve Coeur</i>	
½ (Average Market Value of a Housing Unit with the Jurisdiction) x Percent Damage =	
Average Content Damage per Housing Unit	
Creve Coeur: ½ (\$51,930) x 30% = \$7,789.50 per housing unit	
Average Content Damage per Housing Unit x Number of Potentially-Damaged Housing Units within the Jurisdiction = Content Potential Dollar Losses	
(Rounded to the Nearest Dollar)	
Creve Coeur: \$7,789.50 per housing unit x 2 housing units = \$15,579	

Finally, the **total potential dollar losses** may be calculated by adding together the potential dollar losses to the structure and the content. **Figure F-17** provide a breakdown of the total potential dollar losses by participating municipality and township.

Figure F-17 Estimated Potential Dollar Losses to Potentially-Damaged Housing Units from a Riverine Flood Event by Participating Municipality					
Participating Jurisdiction	Average Market Value (2022)	Potentially-Damaged Housing Units	Potential Dollar Losses		Total Potential Dollar Losses (Rounded to the Nearest Dollar)
			Structure	Content	
Creve Coeur ^{1,2}	\$51,930	2	\$20,772	\$15,579	\$36,351
East Peoria ^{1,2}	\$91,725	895	\$16,418,775	\$12,314,081	\$28,732,856
Morton ¹	\$152,238	15	\$456,714	\$342,536	\$799,250
Pekin ³	\$65,625	48	\$630,000	\$472,500	\$1,102,500
Tremont	\$117,618	0	\$ 0	\$ 0	\$ 0
Washington	\$146,091	66	\$1,928,401	\$1,446,301	\$3,374,702

¹East Peoria CHSD 309²East Peoria D&LD³Pekin Park District

This assessment illustrates the *potential residential dollar losses* that should be considered when municipalities are deciding which mitigation projects to pursue. Potential dollar losses caused by riverine flooding to vulnerable residences **is expected to be range from \$36,351 in Creve Coeur up to \$28.7 million in East Peoria**. Tremont is the only municipality in this scenario who does not have any residences considered vulnerable to riverine flooding.

Vulnerability of Infrastructure/Critical Facilities

The calculations presented above are meant to provide the reader with a sense of the scope or magnitude of a large riverine flood event in dollars. These calculations do not include the physical damages sustained by businesses or other infrastructure and critical facilities.

In terms of businesses, the impacts from a flood event can be physical and/or monetary. Monetary impacts can include loss of sales revenue either through temporary closure or loss of critical services (i.e., power, drinking water and sewer). Depending on the magnitude of the flood event, the damage sustained by infrastructure and critical facilities can be extensive in nature and expensive to repair. As a result, **the cumulative monetary impacts to businesses and infrastructure can exceed the cumulative monetary impacts to residences**. While average dollar amounts cannot be supplied for these items at this time, they should be taken into account when discussing the overall impacts that a large-scale riverine flood event could have on the participating jurisdictions.

In terms of specific infrastructure vulnerability, the following are located within a **base floodplain**:

- ❖ Creve Coeur: wastewater and drinking water treatment plants;
- ❖ East Peoria: wastewater treatment plant #3;
- ❖ Pekin: wastewater treatment plant; and
- ❖ Washington: drinking water treatment plant #1 and Jefferson Street maintenance shop.

No above-ground infrastructure within the participating jurisdictions, other than key roads, bridges and electrical substations, were identified as being vulnerable to riverine flooding.

Considerations

While the potential dollar loss scenario was only for a riverine flood event, the participating jurisdictions have been made aware through the planning process of the impacts that can result from flash flood events. Tazewell County has experienced multiple events over the last 20 to 30 years as have adjoining and nearby counties. These events illustrate the need for officials to consider the overall monetary impacts of all forms of flooding on their communities. All participants should carefully consider the types of activities and projects that can be taken to minimize their vulnerability.

3.3 SEVERE WINTER STORMS

HAZARD IDENTIFICATION

What is the definition of a severe winter storm?

A severe winter storm can range from moderate snow over a few hours to significant accumulations of sleet and/or ice to blizzard conditions with blinding, wind-driven snow that last several days. The amount of snow or ice, air temperature, wind speed and event duration all influence the severity and type of severe winter storm that results. In general, there are three types of severe winter storms: blizzards, heavy snowstorms and ice storms. The following provides a brief description of each type as defined by the National Weather Service (NWS).

- **Blizzards.** Blizzards are characterized by strong winds of at least 35 miles per hour and are accompanied by considerable falling and/or blowing snow that reduces visibility to ¼ mile or less. Blizzards are the most dangerous of all winter storms.
- **Heavy Snowstorms.** Heavy snowstorms are generally defined as producing snowfall accumulations of four inches or more in 12 hours or less or six inches or more in 24 hours or less.
- **Ice Storms.** An ice storm occurs when substantial accumulations of ice, generally ¼ inch or more, build up on the ground, trees and utility lines as a result of freezing rain.

What is snow?

Snow is precipitation in the form of ice crystals. These ice crystals are formed directly from the freezing of water vapor in wintertime clouds. As the ice crystals fall toward the ground, they cling to each other creating snowflakes. Snow will only fall if the temperature remains at or below 32°F from the cloud base to the ground.

What is sleet?

Sleet is precipitation in the form of ice pellets. These ice pellets are composed of frozen or partially frozen rain drops or refrozen partially melted snowflakes. Sleet typically forms in winter storms when snowflakes partially melt while falling through a thin layer of warm air. The partially melted snowflakes then refreeze and form ice pellets as they fall through the colder air mass closer to the ground. Sleet usually bounces after hitting the ground or other hard surfaces and does not stick to objects.

What is freezing rain?

Freezing rain is precipitation that falls in the form of a liquid (i.e., rain drops), but freezes into a glaze of ice upon contact with the ground or other hard surfaces. This occurs when snowflakes descend into a warmer layer of air and melt completely. When the rain drops that result from this melting fall through another thin layer of freezing air just above the surface they become “supercooled”, but they do not have time to refreeze before reaching the ground. However, because the raindrops are “supercooled”, they instantly refreeze upon contact with anything that is at or below 32°F (i.e., the ground, trees, utility lines, etc.).

Are alerts issued for severe winter storms?

Yes. The NWS Weather Forecast Office in Lincoln, Illinois is responsible for issuing **winter storm watches** and **warnings** for Tazewell County depending on the weather conditions. The following provides a brief description of each type of alert.

- **Watch.** The following watches are issued in advance of a storm and indicate the potential for significant winter weather within the next day or two.
 - ❖ **Winter Storm Watch.** A winter storm watch is issued when conditions are favorable for the development of a hazardous winter weather event which has the potential to threaten life or property.
 - ❖ **Blizzard Watch.** A blizzard watch is issued when conditions are favorable for the development of blizzard conditions:
 - ☐ sustained winds or at least 35 mph and
 - ☐ reduced visibility of ¼ mile or less.
- **Advisories.** Winter advisories are issued for winter weather events that pose a significant inconvenience, especially to motorist, but should not be life-threatening if caution is exercised. The following advisories are generally issued 12 to 36 hours prior to an event.
 - ❖ **Freezing Rain Advisory.** A freezing rain advisory is issued when ice accumulations of up to ¼ inch are expected.
 - ❖ **Winter Weather Advisory.** A winter weather advisory is issued for one or more of the following:
 - ☐ snow accumulations of 3 to 5 inches in 12 hours or less;
 - ☐ sleet accumulations up to ¼ inch;
 - ☐ freezing rain in combination with sleet and/or snow; or
 - ☐ blowing and/or drifting snow.
- **Warnings.** The following winter weather warnings are issued when severe winter weather conditions are expected to cause a significant impact to life or property and make travel difficult to impossible. Individuals are advised to avoid travel and stay indoors.
 - ❖ **Blizzard Warning.** A blizzard warning is issued when reduced visibility of less than ¼ mile due to falling and/or blowing snow and strong winds of at least 35 mph or greater are expected for at least three hours.
 - ❖ **Ice Storm Warning.** An ice storm warning is issued when ice accumulations of ¼ inch or greater are expected, resulting in hazardous travel conditions, tree damage and extended power outages.
 - ❖ **Winter Storm Warning.** A winter storm warning is issued when there is one or more of the following expected:
 - ☐ heavy snow accumulations of at least 6 inches in 12 hours or at least 8 inches in 24 hours; or
 - ☐ sleet accumulations of at least ½ inch.

HAZARD PROFILE

The following identifies past occurrences of severe winter storms; details the severity or extent of each event (if known); identifies the locations potentially affected; and estimates the likelihood of future occurrences.

When have severe winter storms occurred previously? What is the extent of these previous severe winter storm?

Table 6, located in **Appendix J**, summarize the previous occurrences as well as the extent or magnitude of severe winter storms (snow & ice) recorded in Tazewell County.

NOAA's Storm Events Database, Midwest Regional Climate Center's cli-MATE database, and NWS's COOP data records were used to document 125 reported occurrences of severe winter storms (snow, ice

Severe Winter Storm Fast Facts – Occurrences

Number of Severe Winter Storm Events Reported (1950 -2022): **125**

Maximum 24-Hour Snow Accumulation: **16 inches**
(January 1, 1999)

Most Likely Month for Severe Winter Storms to Occur: **January**

and/or a combination of both) in Tazewell County between 1950 and 2022. Of the 125 recorded occurrences there were 85 heavy snowstorms or blizzards; 28 combination events (freezing rain, sleet, ice and/or snow); and 12 ice or sleet storms. Included in the 125 severe winter storms is one event that contributed to a federal emergency declaration in Tazewell County.

Figure SWS-1 charts the reported occurrences of severe winter storms by month. Of the 125 events, 93 (74%) took place in in December, January, and February making this the peak period for severe winter storms. Of these 93 events, 38 (41%) occurred during January, making this the peak month for severe winter storms. There were two events that spanned two months; however, for illustration purposes only the month when the event started is graphed. Of the winter storm events with recorded times, 60% began during the a.m. hours.

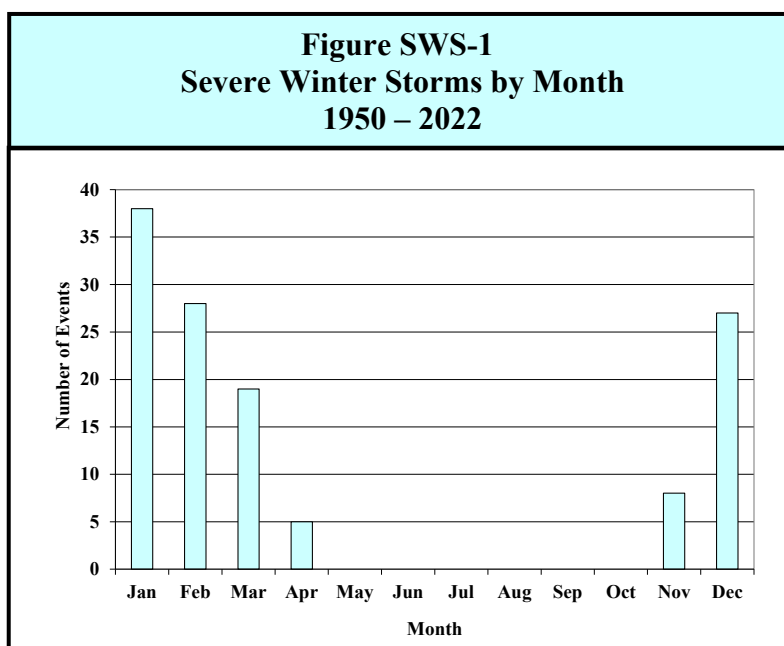
According to the NWS's COOP data records, the maximum 24-hour snow accumulation in Tazewell County is 16.0 inches, which occurred on January 1, 1999 at Morton.

What locations are affected by severe winter storms?

Severe winter storms affect the entire County. All communities in Tazewell County have been affected by severe winter storms. Severe winter storms generally extend across the entire County and affect multiple locations. The 2018 Illinois Natural Hazard Mitigation Plan prepared by IEMA-OHS classifies Tazewell County's hazard rating for severe winter storms as "high."

What is the probability of future severe winter storms occurring based on historical data?

Tazewell County has had 125 verified occurrences of severe winter storms between 1950 and 2022. With 125 occurrences over the past 73 years, Tazewell County should expect at least one severe winter storm in any given year. There were 38 years over the past 73 years where two or more severe winter storms occurred. This indicates the probability that more than one severe winter storm may occur during any given year within the County is 52%.



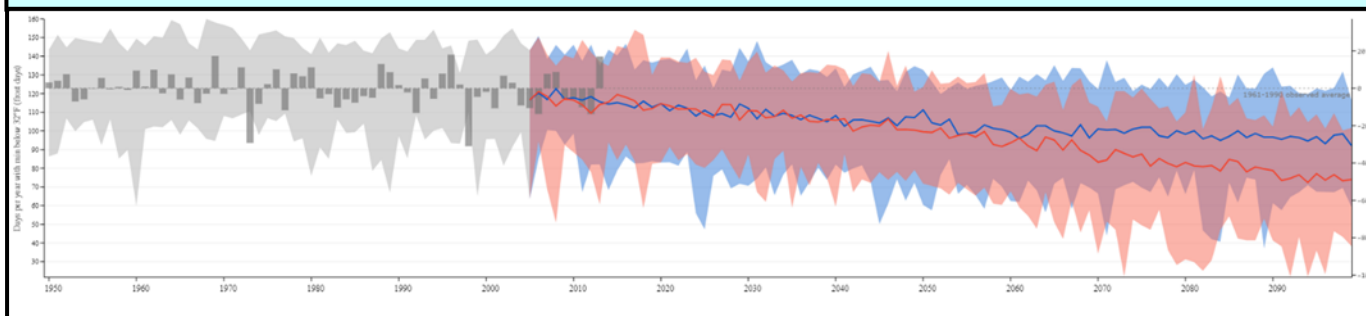
What is the probability of future severe winter storms occurring based on modeled future conditions?

The number of days in a year where the temperature falls below 32°F are gradually decreasing in number, meaning that though there will still be winter weather events, there will be fewer days in a given year that could produce them. **Figure SWS-2 and SWS-3** provide tabular and graphical projections for Tazewell County showing estimations for the number of days per year with minimum temperatures below 32°F by decade in the early, mid, and late 21st century with both low and high estimates for each time period.

Figure SWS-2							
Number of Days Per Year with Minimum Temperature < 32°F Table – Tazewell County							
Indicator	Modeled Time Frame						
	2030s Min - Max	2040s Min - Max	2050s Min - Max	2060s Min - Max	2070s Min - Max	2080s Min - Max	2090s Min - Max
Days with minimum temperature below 32°F							
Lower Emissions	108 days 74 - 135	106 days 71 - 130	103 days 69 - 126	100 days 67 - 129	100 days 68 - 127	98 days 60 - 124	96 days 65 - 124
Higher Emissions	108 days 76 - 133	103 days 74 - 130	97 days 68 - 125	93 days 56 - 121	85 days 43 - 115	81 days 40 - 114	75 days 35 - 107

However, while overall trends of rising temperatures will lead to milder winters on average, this does not mean that severe winter storms will become a thing of the past. Heavy snow events could actually become more common due to rising temperatures. Warmer air is more favorable to the formation of high precipitation clouds, which in winter will increase the likelihood of severe winter storm events when it gets cold enough to snow instead of rain. Snow from these events tends to be warm, wet, and heavy, but will melt relatively quickly in comparison to the finer, dustier snow that falls when temperatures are colder.

Figure SWS-3
Number of Days Per Year with Minimum Temperature < 32°F Graph – Tazewell County



HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure, and critical facilities from severe winter storms.

Are the participating jurisdictions vulnerable to severe winter storms?

Yes. All of Tazewell County, including the participating jurisdictions, is vulnerable to the dangers presented by severe winter storms. Severe winter storms are among the more frequently occurring natural hazards in Illinois. Since 2013, Tazewell County has experienced 22 severe winter storms.

Severe winter storms have immobilized portions of the County, blocking roads; downing power lines, trees, and branches; causing power outages and property damage; and contributing to vehicle accidents. In addition, the County, township, and municipalities must budget for snow removal and de-icing of roads and bridges as well as for roadway repairs.

Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of severe winter storms?

Yes. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, Tremont considered specific assets within their jurisdiction vulnerable to severe winter storms. During severe winter storms, ice and high winds can down overhead electrical lines and cause power outages that affect critical facilities, communications, and service to residents.

What impacts resulted from the recorded severe winter storms?

Data obtained from NOAA's Storm Events Database indicates that between 1950 and 2022, four of the 125 severe winter storms caused \$1,910,000 in property damages. Property damage information was either unavailable or none was recorded for the remaining 121 reported occurrences.

In comparison, the State of Illinois has averaged \$102 million annually in winter storm losses according to the Illinois State Water Survey's Climate Atlas of Illinois, ranking winter storms

second only to flooding in terms of economic loss in the State. While behind floods in terms of the amount of property damage caused, severe winter storms have a greater ability to immobilize larger areas, with rural areas being particularly vulnerable.

NOAA's Storm Events Database documented three injuries and five fatalities as the result of five separate severe winter storm events. The following provides a brief description of each.

- ❖ A heavy snowstorm on April 10 and 11, 1997 caused two injuries as the result of several vehicle accidents across the County.
- ❖ On November 24, 2004, a winter storm caused treacherous roads and one fatality was reported as the result of a traffic accident.
- ❖ Two people were killed in a car accident near Tremont due to snow and ice covered roads that resulted from a heavy snow event starting November 30, 2008
- ❖ An ice storm that started on January 20, 2010 caused several traffic accidents due to slick conditions and resulted in one injury and one fatality. The fatality occurred when a driver lost control of their vehicle and slid into an oncoming semi-trailer truck.
- ❖ A 62-year-old man died of cardiac arrest at his home in Morton after shoveling snow from a winter storm that started on January 12, 2012.

Severe Winter Storms & Extreme Cold Events

Fast Facts – Impacts/Risk

Severe Winter Storm (Snow & Ice) Impacts:

- ❖ Total Property Damage (4 events): **\$1,910,000**
- ❖ Injuries (2 events): **3**
- ❖ Fatalities (4 events): **5**

Severe Winter Storm Risk/Vulnerability:

- ❖ Public Health & Safety: **Low to Medium**
- ❖ Buildings/Infrastructure/Critical Facilities: **Medium**

What other impacts can result from severe winter storms?

In Tazewell County, vehicle accidents are the largest risk to health and safety from severe winter storms. Hazardous driving conditions (i.e., reduced visibility, icy road conditions, strong winds, etc.) contribute to the increase in accidents that result in injuries and fatalities. A majority of all severe winter storm injuries result from vehicle accidents.

Traffic accident data assembled by the Illinois Department of Transportation from 2017 through 2021 indicates that treacherous road conditions caused by snow/slush and ice were present for 6.3% to 12.7% of all crashes recorded annually in the County. **Figure SWS-4** provides a breakdown by year of the number of crashes and corresponding injuries and fatalities that occurred when treacherous road conditions caused by snow and ice were present.

Persons who are outdoors during and immediately following severe winter storms can experience other health and safety problems. Frostbite to hands, feet, ears and nose and hypothermia are common injuries. Treacherous walking conditions also lead to falls which can result in serious injuries, including fractures and broken bones, especially in the elderly. Over exertion from shoveling driveways and walks can lead to life-threatening conditions such as heart attacks in middle-aged and older adults who are susceptible.

Figure SWS-4 Severe Winter Weather Crash Data for Tazewell County				
Year	Total # of Crashes	Presence of Treacherous Road Conditions caused by Snow/slush and Ice		
		# of Crashes	# of Injuries	# of Fatalities
2017	2,219	139	32	0
2018	2,361	271	75	0
2019	2,005	255	46	0
2020	1,960	158	51	1
2021	2,342	174	41	0
Total:	10,887	997	245	1

Source: Illinois Department of Transportation.

What is the level of risk/vulnerability to public health and safety from severe winter storms?

While severe winter storms occur regularly in Tazewell County, the number of injuries and fatalities is relatively low. Taking into consideration the potential for hazardous driving conditions, snow-removal related injuries, and power outages that could leave individuals vulnerable to hypothermia, the risk to public health and safety of the *general population* from severe winter storms safety is seen as **low to medium**.

The level of risk or vulnerability posed by severe winter storms to the public health and safety of *socially vulnerable populations* is considered to be **medium**. Socially vulnerable populations such as older adults (those 75 years of age and older) are more susceptible to slips and falls caused by treacherous walking conditions and therefore their risk is elevated. **Figure SWS-5** identifies the percent of socially vulnerable populations by participating municipality and the County based on the U.S. Census Bureau's 2017-2021 American Community Survey data.

Figure SWS-5 Socially Vulnerable Populations by Participating Jurisdictions	
Participating Jurisdiction	% of Population 75 year of age & Older
Creve Coeur ^{1,2}	4.1%
East Peoria ^{1,2}	7.5%
Morton ¹	9.6%
Pekin ³	7.0%
Tremont	9.9%
Washington	7.7%
Unincorp. Tazewell County	9.0%
Tazewell County	8.0%
State of Illinois	6.4%

¹East Peoria CHSD 309 ²East Peoria D&LD ³ Pekin Park District

Source: U.S. Census Bureau.

Are existing buildings, infrastructure, and critical facilities vulnerable to severe winter storms?

Yes. All existing buildings, infrastructure, and critical facilities located in Tazewell County and the participating jurisdictions are vulnerable to damage from severe winter storms.

Structural damage to buildings caused by severe winter storms (snow and ice) is very rare but can occur particularly to flat rooftops. Information gathered from Tazewell County residents indicates that snow and ice accumulations on communication and power lines as well as key roads presents the greatest vulnerability to infrastructure and critical facilities within the County. Snow and ice accumulations on lines often lead to disruptions in communications and create power outages. Depending on the damage, it can take anywhere from several hours to several days to restore service.

Tony O’Neal, Ameren Illinois Senior Emergency Response Specialist – Illinois Crisis Management, served on the MAC and was able to provide the Committee with information on the impacts and damages sustained by Ameren as the result of severe winter storms from 2010 through 2022. This information, while regional in nature, helps quantify the damages sustained by critical infrastructure in Tazewell County and is summarized in **SWS-6**.

Figure SWS-6 Ameren Illinois – Regional Power Outages Experienced in Tazewell County as a Result of Severe Winter Storm Events: 2010 – 2022								
Event Date	Event Type	Customers without Power	Duration of Outage	Wires Downed	Poles Replaced	Individual Service Lines Damaged	Tree Orders*	Responding Personnel
1/20/2010 thru 1/21/2010	Ice Storm	50,000	3 days	170	70	13	25	488
1/11/2011	Heavy Snow	110,000	5 days	35	76	9	42	n/a
2/1/2011 thru 2/2/2011	Blizzard	14,000	3 days	1,964	104	470	718	1,144
12/20/2012	Blizzard	78,000	2 days	1,017	183	191	499	1,803
2/17/2014	Winter Storm	48,827	2 days	483	80	151	184	3,252
12/28/2015	Ice Storm	192,000	3.5 day	1,969	475	882	939	1,526
1/1/2021	Ice Storm	14,966	6 days	240	63	n/a	123	1,296

* Tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed.

In addition to affecting communication and power lines, snow and ice accumulations on state and local roads hampers travel and can cause dangerous driving conditions. Blowing and drifting snow can lead to road closures and increases the risk of automobile accidents. Even small accumulations of ice can be extremely dangerous to motorists since bridges and overpasses freeze before other surfaces.

When transportation is disrupted, schools close, emergency, and medical services are delayed, some businesses close and government services can be affected. When a severe winter storm hits there is also an increase in cost to the County, township, and municipalities for snow removal and

de-icing. Road resurfacing and pothole repairs are additional costs incurred each year as a result of severe winter storms.

Based on the frequency with which severe winter storms have occurred in Tazewell County; the damages described; the amount of property damage previously reported; and the potential for disruptions to power distribution and communication; the risk or vulnerability to buildings, infrastructure and critical facilities from severe winter storms is **medium**.

Are future buildings, infrastructure, and critical facilities vulnerable to severe winter storms?

Yes and No. The County and all of the participating municipalities have building codes in place that will likely help lessen the vulnerability of new buildings and critical facilities to damage from severe winter storms. However, infrastructure such as new communication and power lines will continue to be vulnerable to severe winter storms, especially to ice accumulations, as long as they are located above ground. Rural areas of the County have experienced extended periods without power due to severe winter storms. Steps to bury all new lines would eliminate the vulnerability, but this action would be cost prohibitive in most areas. In terms of new roads and bridges, there is very little that can be done to reduce or eliminate their vulnerability to severe winter storms.

What are the potential dollar losses to vulnerable structures from severe winter storms?

Unlike other natural hazards, such as tornadoes, there are no standard loss estimation models or methodologies for severe winter storms. Since only two of the 130 recorded events listing property damage numbers for severe winter storms, it is difficult to accurately estimate future potential dollar losses. However, according to the Tazewell County Clerk the total equalized assessed values of all residential, commercial, and industrial buildings in the planning area is \$2,686,263,512. Since all of the structures in the planning area are vulnerable to damage, this total represents the countywide property exposure to severe winter storms.

3.4 EXCESSIVE HEAT

HAZARD IDENTIFICATION

What is the definition of excessive heat?

Excessive heat is generally characterized by a prolonged period of summertime weather that is substantially hotter and more humid than the average for a location at that time of year. Excessive heat criteria typically shift by location and time of year. As a result, reliable fixed absolute criteria are not generally specified (i.e., a summer day with a maximum temperature of at least 90°F).

Excessive heat events are usually a result of both high temperatures and high relative humidity. (Relative humidity refers to the amount of moisture in the air.) The higher the relative humidity or the more moisture in the air, the less likely that evaporation will take place. This becomes significant when high relative humidity is coupled with soaring temperatures.

On hot days the human body relies on the evaporation of perspiration or sweat to cool and regulate the body's internal temperature. Sweating does nothing to cool the body unless the water is removed by evaporation. When the relative humidity is high, then the evaporation process is hindered, robbing the body of its ability to cool itself.

Excessive heat is a leading cause of weather-related fatalities in the U.S. According to the Centers for Disease Control and Prevention, a total of 7,415 people died from heat-related illnesses between 1999 and 2010, an average of 618 fatalities a year.

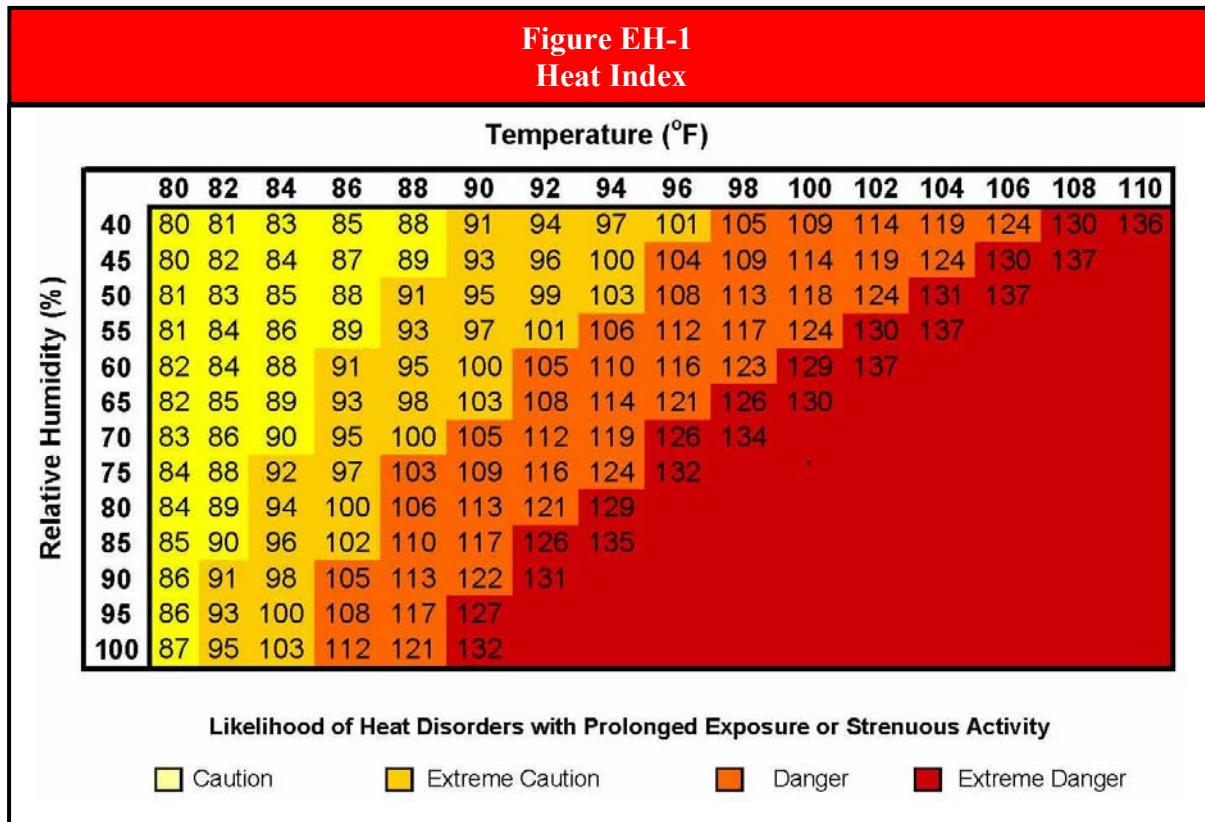
What is the Heat Index?

In an effort to raise the public's awareness of the hazards of excessive heat, the National Weather Service (NWS) devised the "Heat Index". The Heat Index, sometimes referred to as the "apparent temperature", is a measure of how hot it feels when relative humidity is added to the actual air temperature. **Figure EH-1** shows the Heat Index as it corresponds to various air temperatures and relative humidity.

As an example, if the air temperature is 96°F and the relative humidity is 65%, then the Heat Index would be 121°F. It should be noted that the Heat Index values were devised for shady, light wind conditions. Exposure to full sunshine can increase Heat Index values by up to 15°F. Also, strong winds, particularly with very hot, very dry air, can be extremely hazardous. When the Heat Index reaches 105°F or greater, there is an increased likelihood that continued exposure and/or physical activity will lead to individuals developing severe heat disorders.

What are heat disorders?

Heat disorders are a group of illnesses caused by prolonged exposure to hot temperatures and are characterized by the body's inability to shed excess heat. These disorders develop when the heat gain exceeds the level the body can remove or if the body cannot compensate for fluids and salt lost through perspiration. In either case the body loses its ability to regulate its internal temperature. All heat disorders share one common feature: the individual has been overexposed to heat, or over exercised for their age and physical condition on a hot day. The following describes the symptoms associated with the different heat disorders.



Source: NOAA, National Weather Service.

- **Heat Rash.** Heat rash is a skin irritation caused by excessive sweating during hot, humid weather and is characterized by red clusters of small blisters on the skin. It usually occurs on the neck, chest, groin or in elbow creases.
- **Sunburn.** Sunburn is characterized by redness and pain of skin exposed too long to the sun without proper protection. In severe cases it can cause swelling, blisters, fever and headaches and can significantly retard the skin's ability to shed excess heat.
- **Heat Cramps.** Heat cramps are characterized by heavy sweating and muscle pains or spasms, usually in the abdomen, arms or legs that during intense exercise. The loss of fluid through perspiration leaves the body dehydrated resulting in muscle cramps. This is usually the first sign that the body is experiencing trouble dealing with heat.
- **Heat Exhaustion.** Heat exhaustion is characterized by heavy sweating, muscle cramps, tiredness, weakness, dizziness, headache, nausea or vomiting and faintness. Breathing may become rapid and shallow and the pulse thready (weak). The skin may appear cool, moist and pale. If not treated, heat exhaustion may progress to heat stroke.
- **Heat Stroke (Sunstroke).** Heat stroke is a life-threatening condition characterized by a high body temperature (106°F or higher). The skin appears to be red, hot and dry with very little perspiration present. Other symptoms include a rapid and strong pulse, throbbing headache, dizziness, nausea and confusion. There is a possibility that the individual will become unconsciousness. If the body is not cooled quickly, then brain damage and death may result.

Studies indicate that, all things being equal, the severity of heat disorders tend to increase with age. Heat cramps in a 17-year-old may be heat exhaustion in someone 40 and heat stroke in a person over 60. Elderly persons, small children, chronic invalids, those on certain medications and persons with weight or alcohol problems are particularly susceptible to heat reactions.

Figure EH-2 below indicates the heat index at which individuals, particularly those in higher risk groups, might experience heat-related disorders. Generally, when the heat index is expected to exceed 105°F, the NWS will initiate excessive heat alert procedures.

Figure EH-2	
Relationship between Heat Index and Heat Disorders	
Heat Index (°F)	Heat Disorders
80°F – 90°F	Fatigue is possible with prolonged exposure and/or physical activity
90°F – 105°F	Heat cramps, heat exhaustion and heat stroke possible with prolonged exposure and/or physical activity
105°F – 130°F	Heat cramps, heat exhaustion and heat stroke likely; heat stroke possible with prolonged exposure and/or physical activity
130°F or Higher	Heat stroke highly likely with continued exposure

Source: NOAA, Heat Wave: A Major Summer Killer.

What is an excessive heat alert?

An excessive heat alert is an advisory or warning issued by the NWS when the Heat Index is expected to have a significant impact on public safety. The expected severity of the heat determines the type of alert issued. There are four types of alerts that can be issued for an excessive heat event. The following provides a brief description of each type of alert based on the **excessive heat advisory/warning criteria** established by NWS Weather Forecast Office in Lincoln, Illinois. The Lincoln Office is responsible for issuing alerts for Tazewell County.

- **Outlook.** An excessive heat outlook is issued when the potential exists for an excessive heat event to develop over the next three (3) to seven (7) days.
- **Watch.** An excessive heat watch is issued when conditions are favorable for an excessive heat event to occur within the next 24 to 72 hours.
- **Advisory.** An excessive heat advisory is issued within 12 hours of the onset of extremely dangerous heat conditions when the maximum heat index temperature is expected to be 100°F or higher for at least two (2) days and the nighttime air temperatures will not drop below 75°F.
- **Warning.** An excessive heat warning is issued within 12 hours of the onset of extremely dangerous heat conditions when the maximum heat index temperature is expected to be 105°F or higher for at least two (2) days and the nighttime air temperatures will not drop below 75°F.

HAZARD PROFILE

The following identifies past occurrences of excessive heat, details the severity or extent of each event (if known); identifies the locations potentially affected and estimates the likelihood of future occurrences.

When have excessive heat events occurred previously? What is the extent of these events?

Table 7, located in **Appendix J**, summarizes the previous occurrences as well as the extent or magnitude of regional excessive heat events extrapolated for Tazewell County. NOAA's Storm Events Database, Iowa State University's National Weather Service Watch, Warning, and Advisories database, Midwestern Regional Climate Center's cli-MATE database, and NWS's COOP Data records were used to extrapolate 109 occurrences of excessive heat in Tazewell County between 1995 and 2022.

Excessive Heat Fast Facts – Occurrences

Number of Regional Excessive Heat Events Reported (1995 – 2022): **109**
 Hottest Temperature Extrapolated for the County: **109°F (July 14, 1936)**
 Most Likely Month for Excessive Heat Events to Occur: **July**

According to the Midwestern Regional Climate Center, temperature records were either not kept or are not available from any of the NWS COOP Observation Stations or networks in Tazewell County, with the exception of the Observation Station east of South Pekin which kept temperature records intermittently between 2003 and 2005. As a result, temperature records from the Minonk and Congerville 2NW COOP Observation Stations in Woodford County were used to extrapolate excessive heat events in Tazewell County. Based on available records, the hottest recorded temperature at the Minonk COOP Observation Station was 111°F and occurred on July 14, 1936.

Figure EH-3 charts the reported occurrences of excessive heat by month. Forty-four of the 109 events (40%) began in July making this the peak month for excessive heat events in Tazewell County. There were five events that spanned two months; however, for illustration purposes only the month the event started is graphed.

What locations are affected by excessive heat?

Excessive heat affects the entire County. Excessive heat events, like drought and severe winter storms, generally extend across an entire region and affecting multiple counties. The *2018 Illinois Natural Hazard Mitigation Plan* classifies Tazewell County's hazard rating for excessive heat as "medium."

Do any of the participating jurisdictions have designated cooling centers?

Yes. Six of the eight participating municipalities, schools, and park districts have designated cooling centers. A "designated" cooling center is identified as any facility that has been *formally* identified by the jurisdiction (through emergency planning, resolution, Memorandum of Agreement, etc.) as a location available for use by residents of the jurisdiction during excessive heat events.

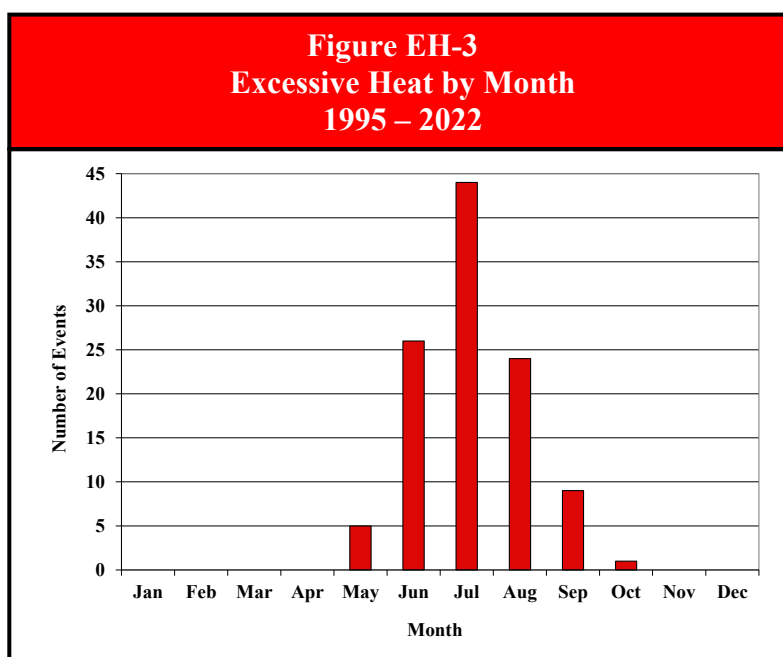


Figure EH-4 identifies the location of each cooling center by jurisdiction. At this time East Peoria CHSD #309 and Morton do not have any cooling centers designated. In addition, there are no State of Illinois-designated cooling centers in Tazewell County.

Figure EH-4 Designated Cooling Centers by Participating Jurisdiction	
Name/Address	Name/Address
<i>Creve Coeur</i>	<i>Pekin Park District</i>
Creve Coeur Community Center, 560 Groveland Ave.	Miller Center Senior Facility, 551 S. 14 th St.
Creve Coeur Library, 311 N. Highland St.	<i>Tremont</i>
<i>East Peoria</i>	Tremont Community Center, 216 S. Sampson St.
EastSide Centre, 1 EastSide Drive, East Peoria	<i>Tremont</i>
East Peoria Civic Plaza, 401 W. Washington St.	Washington Police Department, 115 W. Jefferson St.
Festival of Lights Building, 2200 E. Washington St.	
<i>Pekin</i>	
Justice Center Lobby, 101 S. Capitol St.	
Pekin Outreach, 515 Elizabeth St.	
Pekin Salvation Army, 243 Derby St.	

What is the probability of future excessive heat events occurring based on historical data?

The region, including Tazewell County, has experienced 109 verified occurrences of excessive heat between 1995 and 2022. With 109 occurrences over the past 28 years, Tazewell County should expect to experience at least three excessive heat events a year. It is important to keep in mind that there are almost certainly gaps in the excessive heat data. More events have almost certainly occurred than are documented in this section, which means that the probability is almost certainly higher than reported.

There were 21 years over the last 28 years where multiple (three or more) excessive heat events occurred. This indicates that the probability that multiple excessive heat events may occur during any given year within the County is 75%.

What is the probability of future excessive heat events occurring based on modeled future conditions?

Temperature in Illinois has trended upwards over the last century, with average temperatures in Illinois having increased by 1°F to 2°F in the past 120 years according to the Illinois State Climatologist. This trend is likely to continue, with conservative long-term estimates placing average temperatures by the end of the 21st century between 4° and 9° F warmer than they are today.

With increasing temperatures comes the increasing risk of extreme heat events, which are projected to continue to become more frequent and more severe than they have been historically. This is due to increases in temperatures observed during summer months, where just a few degrees difference can turn a hot day into a dangerously hot day. The number of days greater than 95° F in Illinois are forecasted to increase in the coming decades, with conservative projections predicting that even northern Illinois will see a minimum of 10 extreme heat days per year by the end of the 21st century, compared with one or two extreme heat days per year today. Even just a few additional extreme heat days a year could prove very damaging, both in terms of human health and economic costs.

Figures EH-5, EH-6, and EH-7 provide tabular and graphical projections for Tazewell County, showing estimations for annual high temperature extremes in the early, mid, and late 21st century with both low and high estimates for each time period. Most likely, the true value will fall between these two estimates. By midcentury, the average number of days per year exceeding 90° F in Tazewell County is forecasted to increase from around 20 today to between 59 and 68, and the single hottest temperature recorded in a year is predicted to increase by 5°F to 6° F according to the Climate Mapping for Resilience and Adaptation's Assessment Tool.

The Climate Explorer indicates that in Tazewell County, extreme temperatures on the hottest days of the year are projected to increase by 7°F. This is based on the findings of the 2018 National Climate Assessment and compares projections for the middle third of the century (2035-2064) with average conditions observed from 1961-1990.

Taken together, an increase in the number of days per year with temperatures greater than 90° F and an increase in extreme temperatures on the hottest days for Tazewell County indicates increased risk for extreme heat events.

HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure, and critical facilities from excessive heat.

Figure EH-5
Annual High Temperature Extreme Projections Table – Tazewell County

Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
	Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max	Lower Emissions Min - Max	Higher Emissions Min - Max
Temperature thresholds:							
Annual days with maximum temperature > 90°F	20 days 20 - 28	47 days 31 - 79	50 days 34 - 72	59 days 33 - 106	68 days 45 - 97	70 days 37 - 116	102 days 65 - 131
Annual days with maximum temperature > 95°F	5 days 4 - 6	17 days 7 - 50	20 days 9 - 42	26 days 9 - 82	34 days 16 - 71	35 days 14 - 94	67 days 27 - 110
Annual days with maximum temperature > 100°F	1 days 0 - 1	4 days 0 - 25	5 days 1 - 14	8 days 0 - 54	12 days 2 - 39	12 days 2 - 54	35 days 7 - 85
Annual days with maximum temperature > 105°F	0 days 0 - 0	1 days 0 - 11	1 days 0 - 4	2 days 0 - 28	2 days 0 - 10	3 days 0 - 40	13 days 0 - 54
Annual temperature:							
Annual single highest maximum temperature °F	98 °F 97 - 99	102 °F 98 - 116	102 °F 98 - 106	103 °F 98 - 129	104 °F 101 - 111	105 °F 100 - 131	110 °F 103 - 117
Annual highest maximum temperature averaged over a 5-day period °F	93 °F 92 - 94	97 °F 95 - 105	98 °F 95 - 101	99 °F 95 - 113	100 °F 97 - 105	100 °F 96 - 115	105 °F 99 - 111
Cooling degree days (CDD)	1100 degree-days 1033 - 1175	1,513 degree-days 1,262 - 1,989	1,565 degree-days 1,331 - 1,840	1,725 degree-days 1,346 - 2,628	1,902 degree-days 1,559 - 2,415	1,936 degree-days 1,443 - 2,964	2,634 degree-days 1,919 - 3,485

N/A = Data Not Available for the selected area

Figure EH-6
Number of Days with Maximum Temperature > 90°F Graph – Tazewell County

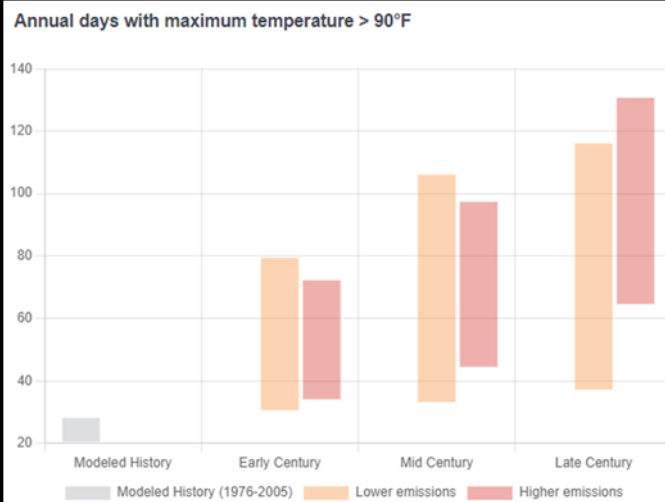
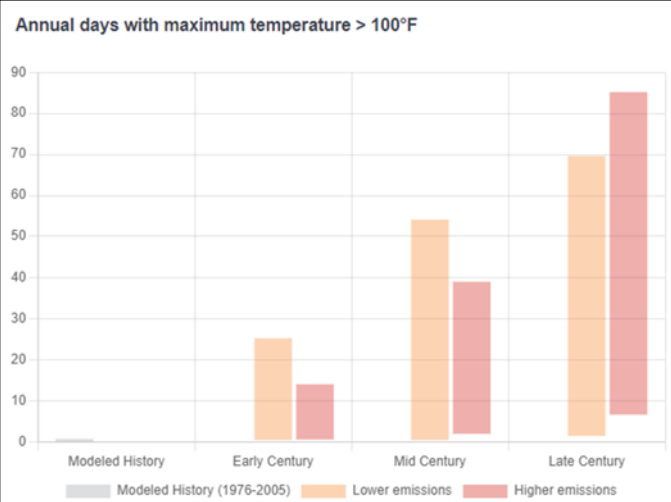


Figure EH-7
Number of Days with Maximum Temperature > 100°F Graph – Tazewell County



Are the participating jurisdictions vulnerable to excessive heat?

Yes. All of Tazewell County, including the participating jurisdictions, is vulnerable to the dangers presented by excessive heat. Since 2013, the region, including Tazewell County, has experienced 42 excessive heat events.

Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of excessive heat?

No. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, none of the participating jurisdictions considered specific assets within their jurisdictions vulnerable to excessive heat.

What impacts resulted from the recorded excessive heat events?

Damage information was either unavailable or none was recorded for any of the excessive heat events. No injuries or fatalities were reported as a result of an excessive heat event. This does not mean that injuries or fatalities didn't occur; it simply means that excessive heat was not identified as the primary cause. This is especially true for fatalities. Usually, heat is not listed as the primary cause of death, but rather an underlying cause. The heat indices were sufficiently high for all the excessive heat events to produce heat cramps or heat exhaustion with the possibility of heat stroke in cases of prolonged exposure or physical activity.

Excessive Heat Fast Facts – Impacts/Risk

Excessive Heat Impacts:

- ❖ Total Property Damage: *n/a*
- ❖ Total Crop Damage: *n/a*
- ❖ Fatalities : *n/a*
- ❖ Injuries: *n/a*

Excessive Heat Risk/Vulnerability:

- ❖ Public Health & Safety – General Population: ***Low***
- ❖ Public Health & Safety – Socially Vulnerable Populations: ***Medium***
- ❖ Buildings/Infrastructure/Critical Facilities: ***Low***

In comparison, Illinois averages 74 heat-related fatalities annually according to the Illinois State Water Survey's Climate Atlas of Illinois.

What other impacts can result from excessive heat events?

Other impacts of excessive heat include road buckling, power outages, stress on livestock, early school dismissals and school closings. In addition, excessive heat events can also lead to an increase in water usage and may result in municipalities imposing water use restrictions. In Tazewell County, excessive heat should not impact municipal water supplies since none obtain their water from surface water bodies. Excessive heat may impact residents in unincorporated Tazewell County however who rely on shallow private wells for their drinking water.

What is the level of vulnerability to public health and safety from excessive heat?

Even if injuries and fatalities due to excessive heat were under reported in Tazewell County, the level of risk or vulnerability posed by excessive heat to the public health and safety of the *general population* is considered to be ***low***. This assessment is based on the frequency with which excessive heat occurs within the County; the impacts associated with these events; the types of living conditions (such as older, poorly-ventilated high rise buildings and low-income neighborhoods) that tend to contribute to heat-related injuries and fatalities; as well as the fact that injuries and fatalities due to excessive heat may be under reported. For the purposes of this

analysis, *general population* includes healthy, able-bodied individuals who should have the ability to physiologically acclimatize to hot conditions over a period of days to weeks. Should that prove difficult, cooling centers are available in each participating municipality, with the exception of Morton, to provide relief during peak heat hours.

The level of risk or vulnerability posed by excessive heat to the public health and safety of *socially vulnerable populations* is considered to be **medium**. Socially vulnerable populations such as older adults (those 75 years of age and older) and small children (those younger than 5 years of age) are more susceptible to heat-related reactions and therefore their risk is elevated. **Figure EH-8** identifies the percent of socially vulnerable populations by participating municipality and the County based on the U.S. Census Bureau's 2017-2021 American Community Survey data. In addition, individuals with chronic conditions, those on certain medications, and persons with weight or alcohol problems are also considered sensitive populations. However, demographic information is not available for these segments of the population.

Figure EH-8			
Sensitive Populations by Participating Jurisdictions			
Participating Jurisdiction	% of Population 75 year of age & Older	% of Population Younger than 5 years of age	Total % of Sensitive Population
Creve Coeur ^{1,2}	4.1%	5.5%	9.6%
East Peoria ^{1,2}	7.5%	5.9%	13.4%
Morton ¹	9.6%	5.6%	15.2%
Pekin ³	7.0%	5.9%	12.9%
Tremont	9.9%	3.8%	13.7%
Washington	7.7%	5.9%	13.6%
Unincorp. Tazewell County	9.0%	5.1%	14.1%
Tazewell County	8.0%	5.6%	13.6%
State of Illinois	6.4%	5.8%	12.2%

¹East Peoria CHSD 309

²East Peoria D&LD

³ Pekin Park District

Source: U.S. Census Bureau.

Are existing buildings, infrastructure, and critical facilities vulnerable to excessive heat?

No. In general, existing buildings, infrastructure and critical facilities located in the County and the participating jurisdictions are not vulnerable to excessive heat. The primary concern is for the health and safety of those living in the County (including all of the municipalities).

While buildings do not typically sustain damage from excessive heat, in rare cases infrastructure and critical facilities may be directly or indirectly damaged. While uncommon, excessive heat has been known to contribute to damage caused to roadways within Tazewell County. The combination of excessive heat and vehicle loads has caused pavement cracking and buckling.

Excessive heat has also been known to indirectly contribute to disruptions in the electrical grid. When the temperatures rise, the demand for energy also rises in order to operate air conditioners, fans, and other devices. This increase in demand places stress on the electrical grid components, increasing the likelihood of power outages. While not common in Tazewell County, there is the

potential for this to occur. The potential may increase over the next two decades if new power sources are not built to replace the state's aging nuclear power facilities that are expected to be decommissioned.

In general, the risk or vulnerability to buildings, infrastructure and critical facilities from excessive heat is considered **low**, even taking into consideration the potential for damage to roadways and disruptions to the electrical grid.

Are future buildings, infrastructure, and critical facilities vulnerable to excessive heat?

No. Future buildings, infrastructure and critical facilities within the County and participating jurisdictions are no more vulnerable to excessive heat events than the existing building, infrastructure, and critical facilities. As discussed above, buildings do not typically sustain damage from excessive heat. Infrastructure and critical facilities may, in rare cases, be damaged by excessive heat, but very little can be done to prevent this.

What are the potential dollar losses to vulnerable structures from excessive heat?

Unlike other natural hazards there are no standard loss estimation models or methodologies for excessive heat. With none of the recorded events listing property damage figures, there is no way to accurately estimate future potential dollar losses from excessive heat. Since excessive heat typically does not cause structure damage, it is unlikely that future dollar losses will be extreme. The primary concern associated with excessive heat is the health and safety of those living in the County and municipalities, especially socially vulnerable populations such as the elderly, infants, young children, and those with medical conditions.

3.5 EXTREME COLD

HAZARD IDENTIFICATION

What is the definition of extreme cold?

Extreme cold is generally characterized by temperatures well below what is considered normal for an area during the winter months and is often accompanied or is left in the wake of a severe winter storm. Extreme cold criteria vary from region to region. As a result, reliable fixed absolute criteria are not generally specified (i.e., a winter day with a maximum temperature of 0°F).

Whenever the temperature drops below normal and the wind speeds increase, heat can leave the body more rapidly. This can lead to dangerous situations for susceptible individuals, such as those without shelter or who are stranded, or those who live in a home that is poorly insulated or without heat.

Extreme cold is a leading cause of weather-related fatalities in Illinois. According to a 2020 study published by the University of Illinois Chicago, 1,935 individuals died from cold-related illnesses between 2011 and 2018. This is 94% of all temperature-related fatalities recorded in the State during that time period.

Extreme cold can also cause infrastructure damage, especially to residential water pipes and water distribution lines and mains. According to State Farm, in 2020 Illinois was once again the national leader in losses related to frozen pipes.

What is wind chill?

Wind chill, or wind chill factor, is a measure of the rate of heat loss from exposed skin resulting from the combined effects of wind and temperature. As the wind increases, heat is carried away from the body at a faster rate, driving down both the skin temperature and eventually the internal body temperature.

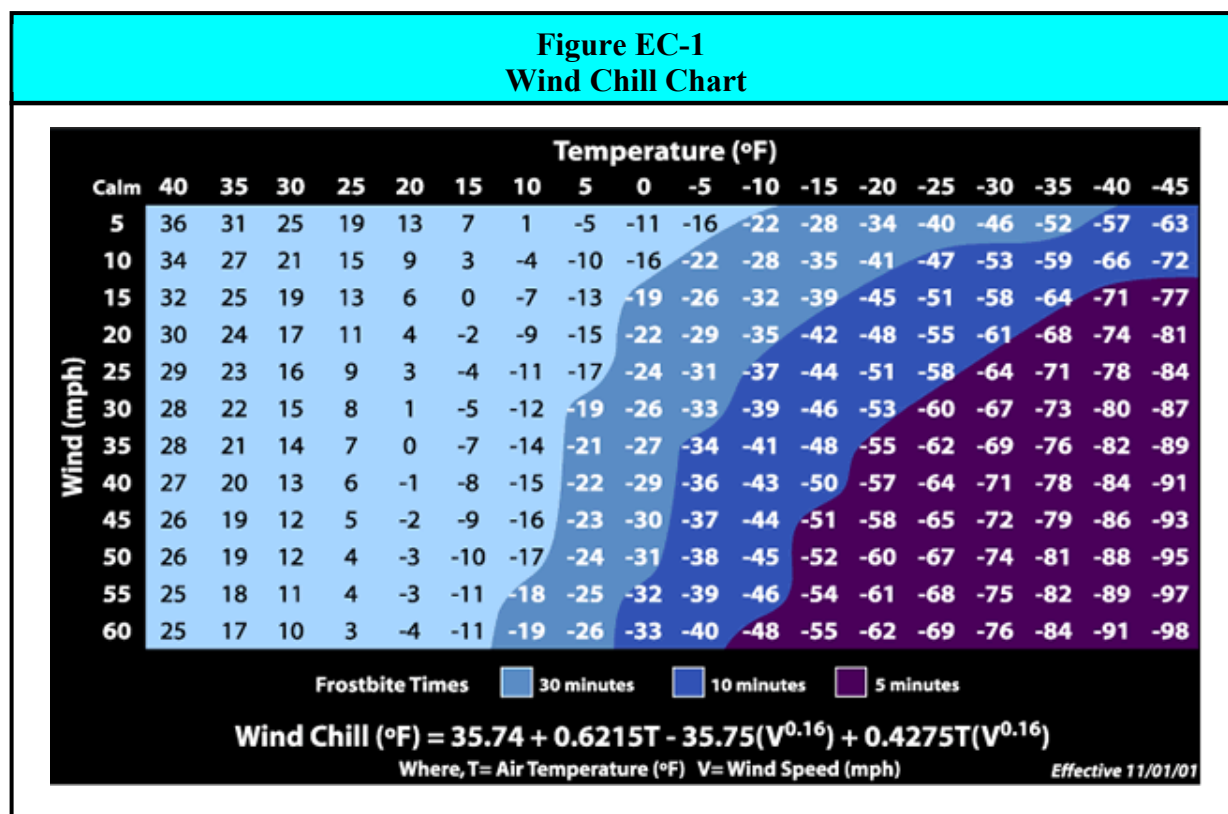
The unit of measurement used to describe the wind chill factor is known as the wind chill temperature. The wind chill temperature is calculated using a formula. **Figure EC-1** identifies the formula and calculates the wind chill temperatures for certain air temperatures and wind speeds.

As an example, if the air temperature is 5°F and the wind speed is 20 miles per hour, then the wind chill temperature would be -15°F. The wind chill temperature is only defined for air temperatures at or below 50°F and wind speeds above three miles per hour. In addition, the wind chill temperature does not take into consideration the effects of bright sunlight which may increase the wind chill temperature by 10°F to 18°F.

Use of the current Wind Chill Temperature (WCT) index was implemented by the NWS on November 1, 2001. The new WCT index was designed to more accurately calculate how cold air feels on human skin. The new index uses advances in science, technology and computer modeling to provide an accurate, understandable and useful formula for calculating the dangers from winter

winds and freezing temperatures. The former index was based on research done in 1945 by Antarctic researchers Siple and Passel.

Exposure to extreme wind chills can be life threatening. As wind chills edge toward -19°F and below, there is an increased likelihood that exposure will lead to individuals developing cold-related illnesses.



Source: NOAA, National Weather Service.

What cold-related illnesses are associated with extreme cold?

Frostbite and hypothermia are both cold-related illnesses that can result when individuals are exposed to dangerously low temperatures and wind chills. The following provides a brief description of the symptoms associated with each.

- **Frostbite.** During exposure to extremely cold weather the body reduces circulation to the extremities (i.e., feet, hands, nose, cheeks, ears, etc.) in order to maintain its core temperature. If the extremities are exposed, then this reduction in circulation coupled with the cold temperatures can cause the tissue to freeze.

Frostbite is characterized by a loss of feeling and a white or pale appearance. At a wind chill of -19°F, exposed skin can freeze in as little as 30 minutes. Seek medical attention immediately if frostbite is suspected. It can permanently damage tissue and in severe cases can lead to amputation.

- **Hypothermia.** Hypothermia occurs when the body’s temperature begins to fall because it is losing heat faster than it can produce it. If an individual’s body temperature falls below 95°F, then hypothermia has set in, and immediate medical attention should be sought.

Hypothermia is characterized by uncontrollable shivering, memory loss, disorientation, incoherence, slurred speech, drowsiness and exhaustion. Left untreated, hypothermia will lead to death. Hypothermia occurs most commonly at very cold temperatures but can occur at cool temperatures (above 40°F) if an individual isn’t properly clothed or becomes chilled.

What is a wind chill alert?

A wind chill alert is an advisory or warning issued by the NWS when the wind chill is expected to have a significant impact on public safety. The expected severity of cold temperatures and wind speed determines the type of alert issued. There are three types of alerts that can be issued for an extreme cold event. The following provides a brief description of each type of alert based on the **wind chill criteria** established by the NWS Weather Forecast Office in Lincoln, Illinois. The Lincoln Office is responsible for issuing alerts for Tazewell County.

Yes. The NWS Weather Forecast Office in Lincoln, Illinois is responsible for issuing **wind chill advisories** and **warnings** for Tazewell County depending on the weather conditions. The following provides a brief description of each type of alert.

- ❖ **Wind Chill Watch.** A wind chill watch may be issued if conditions are favorable for wind chill temperatures to meet or exceed warning criteria but are not occurring or imminent.
- ❖ **Wind Chill Advisory.** A wind chill advisory is issued when wind chill values are expected to be between -15°F and -24°F.
- ❖ **Wind Chill Warning.** A wind chill warning is issued when wind chill values are expected to be -25°F or below.

HAZARD PROFILE

The following identifies past occurrences of extreme cold events; details the severity or extent of each event (if known); identifies the locations potentially affected; and estimates the likelihood of future occurrences.

When have extreme cold events occurred previously? What is the extent of these events?

Table 8, located in **Appendix J**, summarize the previous occurrences as well as the extent or magnitude of regional extreme cold events extrapolated for Tazewell County. NOAA’s Storm Events Database, Iowa State University’s National Weather Service Watch, Warning, and Advisories database, Midwestern Regional Climate Center’s cli-MATE database, and NWS’s COOP Data records were used to extrapolate 63 occurrences of extreme cold in Tazewell County between 1995 and 2022.

Extreme Cold Fast Facts – Occurrences

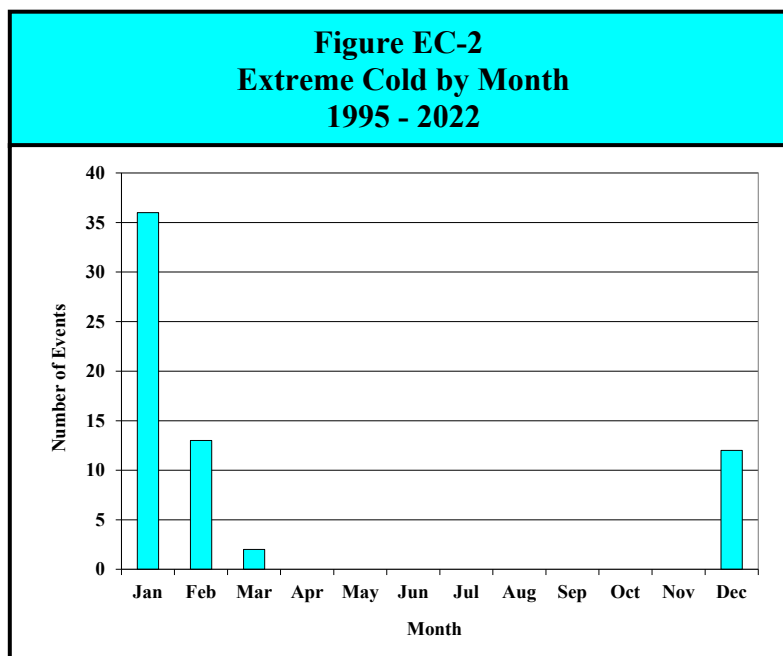
Number of Regional Extreme Cold Events Reported
(1995 - 2022): **63**

Coldest Temperature Extrapolated for the County: **-36°F**
(**January 5, 1999**)

Most Likely Months for Extreme Cold Events to Occur: **January**

According to the Midwestern Regional Climate Center, temperature records were either not kept or are not available from any of the NWS COOP Observation Stations or networks in Tazewell County, with the exception of the Observation Station east of South Pekin which kept temperature records intermittently between 2003 and 2005. As a result, temperature records from the Minonk and Congerville 2NW COOP Observation Stations in Woodford County were used to extrapolate extreme cold events in Tazewell County. Based on available records, the hottest recorded temperature at the Minonk COOP Observation Station was 111°F and occurred on July 14, 1936

Figure EC-2 charts the reported occurrences of extreme cold by month. Thirty-six of the 63 events (57%) took place in January, making this the peak month for extreme cold events. There were two events that spanned two months; however, for illustration purposes only the month the event started in is graphed.



What locations are affected by extreme cold?

Extreme cold affects the entire County. Extreme cold, like excessive heat and severe winter storms, generally extends across the entire County and affects multiple locations.

Do any of the participating jurisdictions have designated warming centers?

Yes. Six of the eight participating municipalities, schools, and park districts have designated warming centers. A “designated” warming center is identified as any facility that has been *formally* identified by the jurisdiction (through emergency planning, resolution, Memorandum of Agreement, etc.) as a location available for use by residents during severe winter storms and extreme cold events.

Figure EC-3 identifies the location of each warming center by jurisdiction. At this time East Peoria CHSD #309 and Morton do not have any warming centers designated. In addition, there are no State of Illinois-designated warming centers in Tazewell County.

Figure EC-3
Designated Warming Centers by Participating Jurisdiction

Name/Address	Name/Address
<i>Creve Coeur</i>	<i>Pekin Park District</i>
Creve Coeur Community Center, 560 Groveland Ave.	Miller Center Senior Facility, 551 S. 14 th St.
Creve Coeur Library, 311 N. Highland St.	<i>Tremont</i>
<i>East Peoria</i>	Tremont Community Center, 216 S. Sampson St.
EastSide Centre, 1 EastSide Drive, East Peoria	<i>Tremont</i>
East Peoria Civic Plaza, 401 W. Washington St.	Washington Police Department, 115 W. Jefferson St.
Festival of Lights Building, 2200 E. Washington St.	
<i>Pekin</i>	
Justice Center Lobby, 101 S. Capitol St.	
Pekin Outreach, 515 Elizabeth St.	
Pekin Salvation Army, 243 Derby St.	

What is the probability of future extreme cold events occurring based on historical data?

Tazewell County has experienced 63 verified occurrences of extreme cold between 1995 and 2022. With 63 occurrences over the past 28 years, Tazewell County should expect to experience at least two extreme cold events in any given year. It is important to keep in mind that there are almost certainly gaps in the early extreme cold data. More events have almost certainly occurred than are documented in this section, which means that the probability is almost certainly higher than reported.

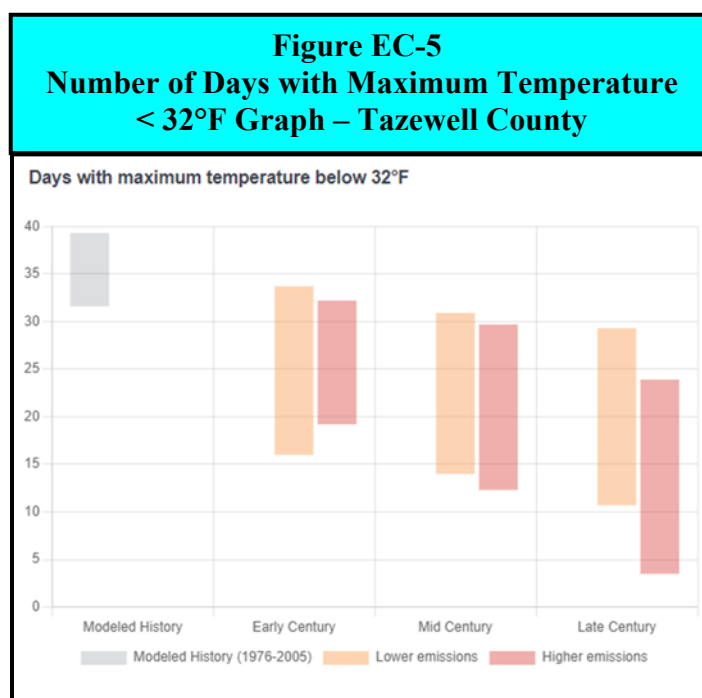
There were 18 years over the last 28 years where multiple (two or more) extreme cold events occurred. This indicates that the probability that multiple extreme cold events may occur during any given year within the County is 64%.

What is the probability of future extreme cold events occurring based on modeled future conditions?

The warming trend observed in Illinois over the past century hasn't just meant increasingly hotter summers; it has meant milder winters. Over the past 120 years, average temperatures in Illinois have increased by 1°F to 2°F according to the Illinois State Climatologist, with the most prominent changes occurring in overnight temperatures and in increased winter and spring temperatures. As a result, extreme cold events are likely to continue to become less common and less intense than they were in the past. The number of days less than 32°F in Illinois are forecasted to decrease in the coming decades. Reductions in extreme cold events could prevent some of the damages associated with them, both in terms of human health costs and economic costs.

Figures EC-4, EC-5, and EC-6 provide tabular and graphical projections for Tazewell County, showing estimations for number of days where high temperatures will not exceed 32°F in the early, mid, and late 21st century with both low and high estimates for each time period. Most likely, the true value will fall between these two estimates. By midcentury, the average number of days per year not exceeding 32°F in Tazewell County is forecasted to decrease from around 35 today to between 21 and 22 according to the Climate Mapping for Resilience and Adaptation's Assessment Tool.

Figure EC-4 Days with Maximum Temperature < 32°F Projection Table – Tazewell County							
Indicator	Modeled History (1976 - 2005)	Early Century (2015 - 2044)		Mid Century (2035 - 2064)		Late Century (2070 - 2099)	
		Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions	Lower Emissions	Higher Emissions
	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max	Min - Max
Annual days with:							
Days with maximum temperature below 32 °F	35 days 32 - 39	26 days 16 - 34	25 days 19 - 32	22 days 14 - 31	21 days 12 - 30	20 days 11 - 29	13 days 3 - 24
N/A = Data Not Available for the selected area							



By contrast, projections from Great Lakes Integrated Sciences + Assessments indicate that there is likely to be a change of 2 to 5 days in the number of days per year where temperatures will fall below 20° F by midcentury in Tazewell County.

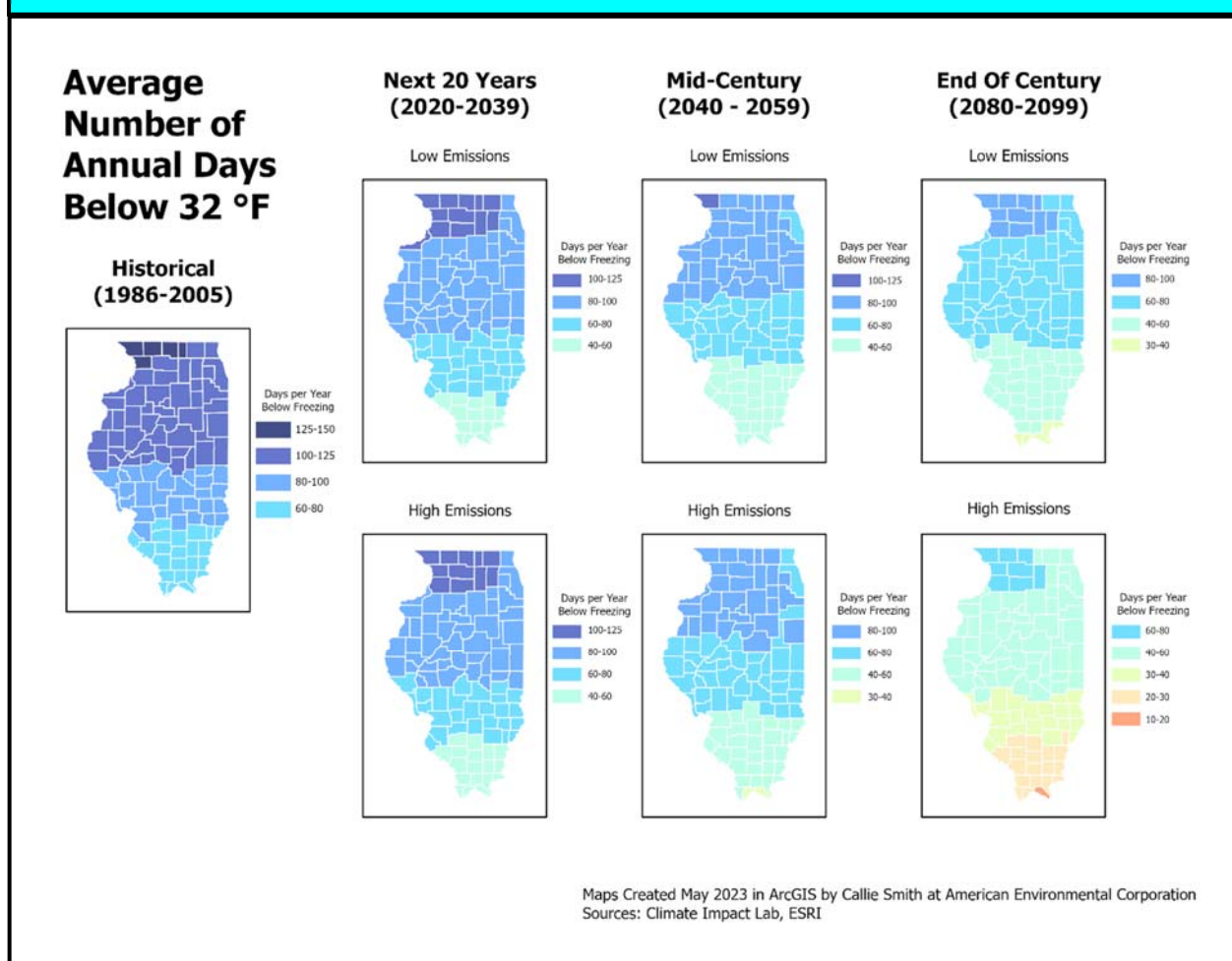
HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure, and critical facilities from extreme cold.

Are the participating jurisdictions vulnerable to extreme cold?

Yes. All of Tazewell County, including the participating jurisdictions, is vulnerable to the dangers presented by extreme cold. Since 2013, Tazewell County has experienced 28 extreme cold events.

Figure EC-6
Average Number of Annual Days Below 32°F



Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of extreme cold?

Yes. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, East Peoria considers specific assets within its jurisdiction vulnerable to extreme cold. Freeze/thaw cycles can be detrimental to our drinking water infrastructure, especially water mains and lines.

What impacts resulted from the recorded extreme cold events?

Damage information was either unavailable or none was recorded, and no injuries or fatalities were reported as a result of any of the extreme cold events. This does not mean that injuries or fatalities didn't occur; it simply means that extreme cold was not identified as the primary cause. In comparison, the State of Illinois averages 18 cold-related fatalities annually according to the Illinois State Water Survey's Climate Atlas of Illinois.

What other impacts can result from extreme cold events?

Other impacts of extreme cold include early school dismissals and school closing, power outages and frozen and ruptured water pipes and water mains. Individuals who are outdoors during and immediately following extreme cold events can experience health and safety problems. Frostbite to hands, feet, ears and nose and hypothermia are common injuries.

Extreme Cold Fast Facts – Impacts/Risk

Extreme Cold Impacts:

- ❖ Total Property Damage: **n/a**
- ❖ Injuries: **n/a**
- ❖ Fatalities: **n/a**

Extreme Cold Risk/Vulnerability:

- ❖ Public Health & Safety – General Population: **Low to Medium**
- ❖ Public Health & Safety – Socially Vulnerable Populations: **Medium**
- ❖ Buildings/Infrastructure/Critical Facilities: **Low**

What is the level of risk/vulnerability to public health and safety from severe winter storms and extreme cold?

For Tazewell County the level of risk or vulnerability posed by extreme cold to public health and safety of the *general population* is considered to be **low to medium**. This assessment is based on the fact that while extreme cold events occur regularly, the number of injuries and fatalities reported is low and all but one of the participating municipalities have designated warming centers.

The level of risk or vulnerability posed by extreme cold to the public health and safety of *socially vulnerable populations* is considered to be **medium**. Socially vulnerable populations such as individuals with dementia and access and functional needs populations may be more susceptible to cold-related exposures if they become disoriented outdoors during an event and therefore their risk is elevated. However, demographic information is not available for these segments of the population.

Are existing buildings, infrastructure, and critical facilities vulnerable to extreme cold?

Yes. All existing buildings, infrastructure and critical facilities located in Tazewell County and the participating jurisdictions are vulnerable to damage from extreme cold. Individual water pipes and distribution lines and mains are especially susceptible to freezing during extreme cold events. This freezing can lead to cracks or ruptures in the pipes in buildings as well as in buried service lines and mains. As a result, flooding can occur as well as disruptions in service. Since most buried service lines and water mains are located under local streets and roads, fixing a break requires portions of the street or road to be blocked off, excavated, and eventually repaired. These activities can be costly and must be carried out under less than ideal working conditions.

Tony O’Neal, Ameren Illinois Senior Emergency Response Specialist – Illinois Crisis Management, served on the MAC and was able to provide the Committee with information on the impacts and damages sustained by Ameren as the result of extreme cold events between 2010 and 2022. During the January 29, 2019 extreme cold event, 10,033 customers were without power for up to three days. While this information is regional in nature, it helps quantify the damages sustained by critical infrastructure in Tazewell County.

Based on the frequency with which extreme cold events have occurred in Tazewell County; the damages described; the amount of property damage previously reported; and the potential for

disruptions to power distribution and communication; the risk or vulnerability to buildings, infrastructure and critical facilities from extreme cold events is **low**.

Are future buildings, infrastructure, and critical facilities vulnerable to extreme cold?

Yes and No. The County and all of the participating municipalities have building codes in place that will likely help lessen the vulnerability of new buildings and critical facilities to damage from extreme cold. However, infrastructure such as residential water pipes will continue to be vulnerable as long as they are located in areas such as outside walls, attics and crawl spaces that do not contain proper insulation.

What are the potential dollar losses to vulnerable structures from extreme cold?

Unlike other natural hazards, such as tornadoes, there are no standard loss estimation models or methodologies for extreme cold events. With none of the recorded events listing property damage figures, there is no way to accurately estimate future potential dollar losses from extreme cold. However, according to the Tazewell County Clerk the total equalized assessed values of all residential, commercial, and industrial buildings in the planning area is \$2,686,263,512. Since all of the structures in the planning area are vulnerable to damage, this total represents the countywide property exposure to extreme cold.

3.6 TORNADOES

HAZARD IDENTIFICATION

What is the definition of a tornado?

A tornado is a narrow violently rotating column of air, often visible as a funnel-shaped cloud that extends from the base of a thunderstorm cloud formation to the ground. The most violent tornadoes can have wind speeds of more than 300 miles per hour and can create damage paths in excess of one mile wide and 50 miles long.

Not all tornadoes have a visible funnel cloud. Some may appear nearly transparent until dust and debris are picked up or a cloud forms within the funnel. Generally, tornadoes move from southwest to northeast, but they have been known to travel in any direction, even backtracking. A typical tornado travels at around 10 to 20 mile per hour, but this may vary from almost stationary to 60 miles per hour. Tornadoes can occur at any time of the year and happen at any time of the day or night, although most occur between 4 p.m. and 9 p.m.

About 1,200 tornadoes hit the U.S. yearly, with an average 52 tornadoes occurring annually in Illinois. The destruction caused by a tornado may range from light to catastrophic depending on the intensity, size and duration of the storm. Tornadoes cause crop and property damage, power outages, environmental degradation, injuries and fatalities. Tornadoes are known to blow roofs off buildings, flip vehicles and demolish homes. Typically, tornadoes cause the greatest damage to structures of light construction, such as residential homes. On average, tornadoes cause 60 to 65 fatalities and 1,500 injuries in the U.S. annually.

How are tornadoes rated?

Originally tornadoes were rated using the Fujita Scale (F-Scale), which related the degree of damage caused by a tornado to the intensity of the tornado's wind speed. The Scale identified six categories of damage, F0 through F5. **Figure T-1** gives a brief description of each category.

Use of the original Fujita Scale was discontinued on February 1, 2007 in favor of the Enhanced Fujita Scale. The original scale had several flaws including basing a tornado's intensity and damages on wind speeds that were never scientifically tested and proven. It also did not take into consideration that a multitude of factors (i.e., structure construction, wind direction and duration, flying debris, etc.) affect the damage caused by a tornado. In addition, the process of rating the damage itself was based on the judgment of the damage assessor. In many cases, meteorologists and engineers highly experienced in damage survey techniques often came up with different F-scale ratings for the same damage.

The Enhanced Fujita Scale (EF-Scale) was created to remedy the flaws in the original scale. It continues to use the F0 through F5 categories, but it incorporates 28 different damage indicators (mainly various building types, towers/poles and trees) as calibrated by engineers and meteorologists. For each damage indicator there are eight degrees of damage ranging from barely visible damage to complete destruction of the damage indicator. The wind speeds assigned to each category are estimates, not measurements, based on the damage assessment. **Figure T-1** identifies the Enhanced Fujita Scale.

Figure T-1 Fujita & Enhanced Fujita Tornado Measurement Scales				
F-Scale		EF-Scale		Description
Category	Wind Speed (mph)	Category	Wind Speed (mph)	
F0	40 – 72	EF0	65 – 85	Light damage – some damage to chimneys; branches broken off trees; shallow-rooted trees pushed over; damage to sign boards
F1	73 – 112	EF1	86 – 110	Moderate damage – peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos blown off roads
F2	113 – 157	EF2	111 – 135	Considerable damage – roofs torn off frame houses; mobile homes demolished; boxcars overturned; large trees snapped or uprooted; light-object missiles generated; cars lifted off ground
F3	158 – 207	EF3	136 – 165	Severe damage – roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown
F4	208 – 260	EF4	166 – 200	Devastating damage – well-constructed houses leveled; structures with weak foundations blown away some distance; cars thrown, and large missiles generated
F5	261 – 318	EF5	Over 200	Incredible damage – strong frame houses lifted off foundations and swept away; automobile-sized missiles fly through the air in excess of 100 yards; trees debarked; incredible phenomena will occur

Source: NOAA, Storm Prediction Center.

The idea behind the EF-Scale is that a tornado scale needs to take into account the typical strengths and weaknesses of different types of construction, instead of applying a “one size fits all” approach. This is due to the fact that the same wind speed can cause different degrees of damage to different kinds of structures. In a real-life application, the degree of damage to each of the 28 indicators can be mapped together to create a comprehensive damage analysis. As with the original scale, the EF-Scale rates the tornado as a whole based on the most intense damage within the tornado’s path.

While the EF-Scale is currently in use, **the historical data presented in this report is based on the original F-Scale.** None of the tornadoes rated before February 1, 2007 will be re-evaluated using the EF-Scale.

Are alerts issued for tornadoes?

Yes. The National Weather Service Weather Forecast Office in Lincoln is responsible for issuing **tornado watches** and **warnings** for Tazewell County depending on the weather conditions. The following provides a brief description of each type of alert.

- **Watch.** A tornado watch is issued when tornadoes are possible in the area. Individuals need to be alert and prepared. Watches are typically large, covering numerous counties or even states.

- **Warning.** A tornado warning is issued when a tornado has been sighted or indicated by weather radar. Warnings indicate imminent danger to life and property for those who are in the path of the tornado. Individuals should see shelter immediately. Typically, warnings encompass a much smaller area, such as a city or small county.

HAZARD PROFILE

The following identifies past occurrences of tornadoes; details the severity or extent of each event (if known); identifies the locations potentially affected; and estimates the likelihood of future occurrences.

When have tornadoes occurred previously? What is the extent of these previous tornadoes?

Table 9, located in **Appendix J**, summarizes the previous occurrences as well as the extent or magnitude of tornado events recorded in Tazewell County. NOAA's Storm Events Database, Storm Data Publication and Storm Prediction Center have documented 67 occurrences of tornadoes in Tazewell County between 1950 and 2022. In comparison, there have been 2,745 tornadoes statewide between 1950 and 2021 according to NOAA's Storm Prediction Center. **Figure T-2** charts the reported occurrences of tornadoes by magnitude. Of the 67 reported occurrences there were: 0 – F4s, 4 – F3s, 9 – F2s, 14 – F1s, 24 – F0s, 1 – EF4, 0 – EF3s, 4 – EF2s, 5 – EF1s, 4 – EF0s, and 2 – EFUs.

Tornado Fast Facts – Occurrences

Number of Tornadoes Reported (1950 – 2022): **67**
 Highest F-Scale Rating Recorded: **EF4 (November 17, 2013)**
 Most Likely Month for Tornadoes to Occur: **May**
 Average Length of a Tornado: **2.6 miles**
 Average Width of a Tornado: **119 yards**
 Average Damage Pathway of a Tornado: **0.17 sq. mi.**
 Longest Tornado Path in the County: **21.1 miles (May 13, 1995)**
 Widest Tornado Path in the County: **880 yards (May 13, 1995 & November 17, 2013)**

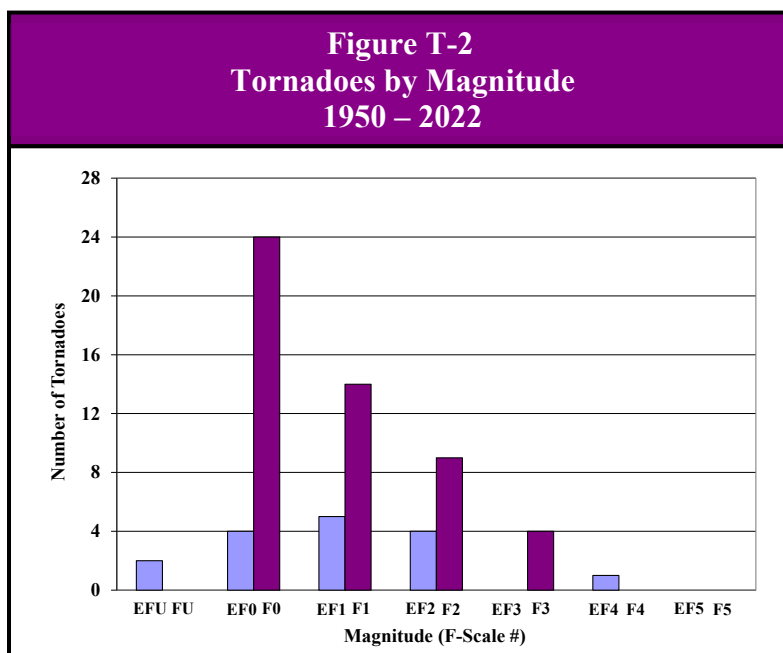
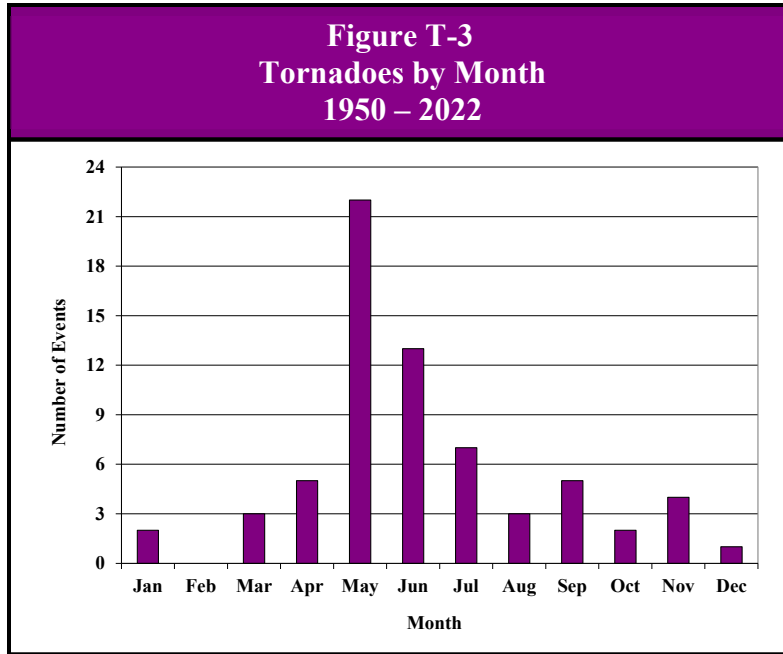


Figure T-3 charts the reported tornadoes by month. Of the 67 events, 42 (63%) took place in May, June, and July making this the peak period for tornadoes in Tazewell County. Of those 42 events, 22 (52%) occurred during May, making this the peak month for tornadoes. In comparison, 1,720 of the 2,745 tornadoes (63%) recorded in Illinois from 1950 through 2021 took place in April, May, and June.



Approximately 87% of all tornadoes in the County occurred during the p.m. hours, with 38 of the tornado events (57%) taking place between 2 p.m. and 8 p.m. In comparison, more than half of all Illinois tornadoes occur between 2 p.m. and 8 p.m.

The tornadoes that have impacted Tazewell County have varied from 0.10 miles (176 yards) to 21.1 miles in length and from 10 yards to 880 yards in width. The average length of a tornado in Tazewell County is 2.6 miles and the average width is 119 yards (0.067 miles).

Figures T-4, T-5, and T-6 show the pathway of each reported tornado. The numbers next to each tornado correspond with the tornado description in **Table 9** located in **Appendix J**. Records indicate that most of these tornadoes generally moved from southwest to northeast across the County. Unlike other natural hazards (i.e., severe winter storms, drought, and excessive heat), tornadoes impact a relatively small area. Typically, the area impacted by a tornado is less than four square miles. In Tazewell County, the average damage pathway or area impacted by a tornado is 0.17 square miles.

The longest and widest tornado recorded in Tazewell County occurred on May 13, 1995. This F3 tornado, measuring 25.0 miles in length and 880 yards in width, touched down in Mason County north of Goofy Ridge in Sand Ridge State Park and traveled east-northeast into Tazewell County before lifting off east of Tremont. The tornado was on the ground in Tazewell County for approximately 21.1 miles. The damage pathway of this tornado covered 12.5 square miles, with approximately 10.5 square miles occurring in Tazewell County.

Figure T-4
F0/EF0 & EFU Tornado Pathways in Tazewell County

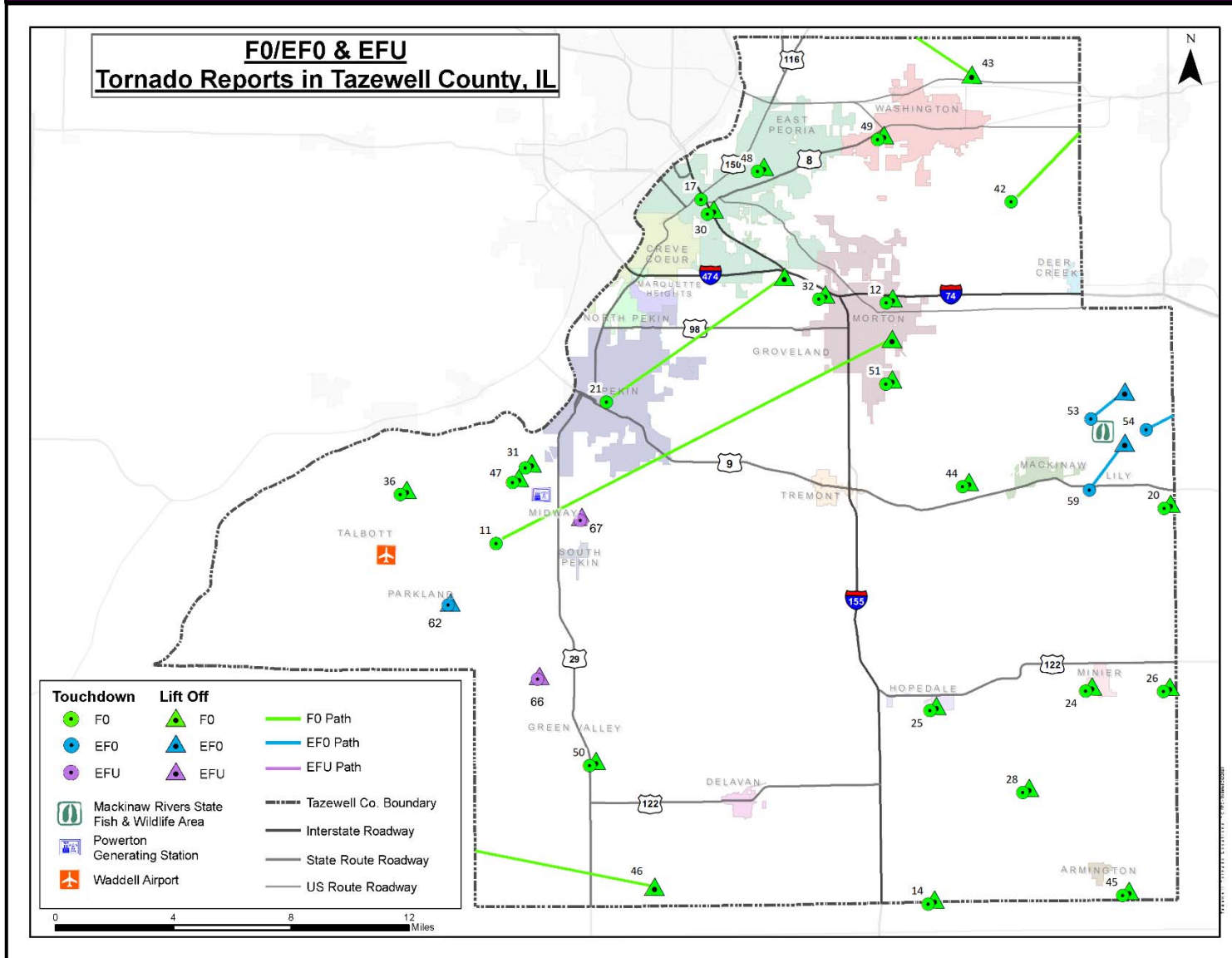
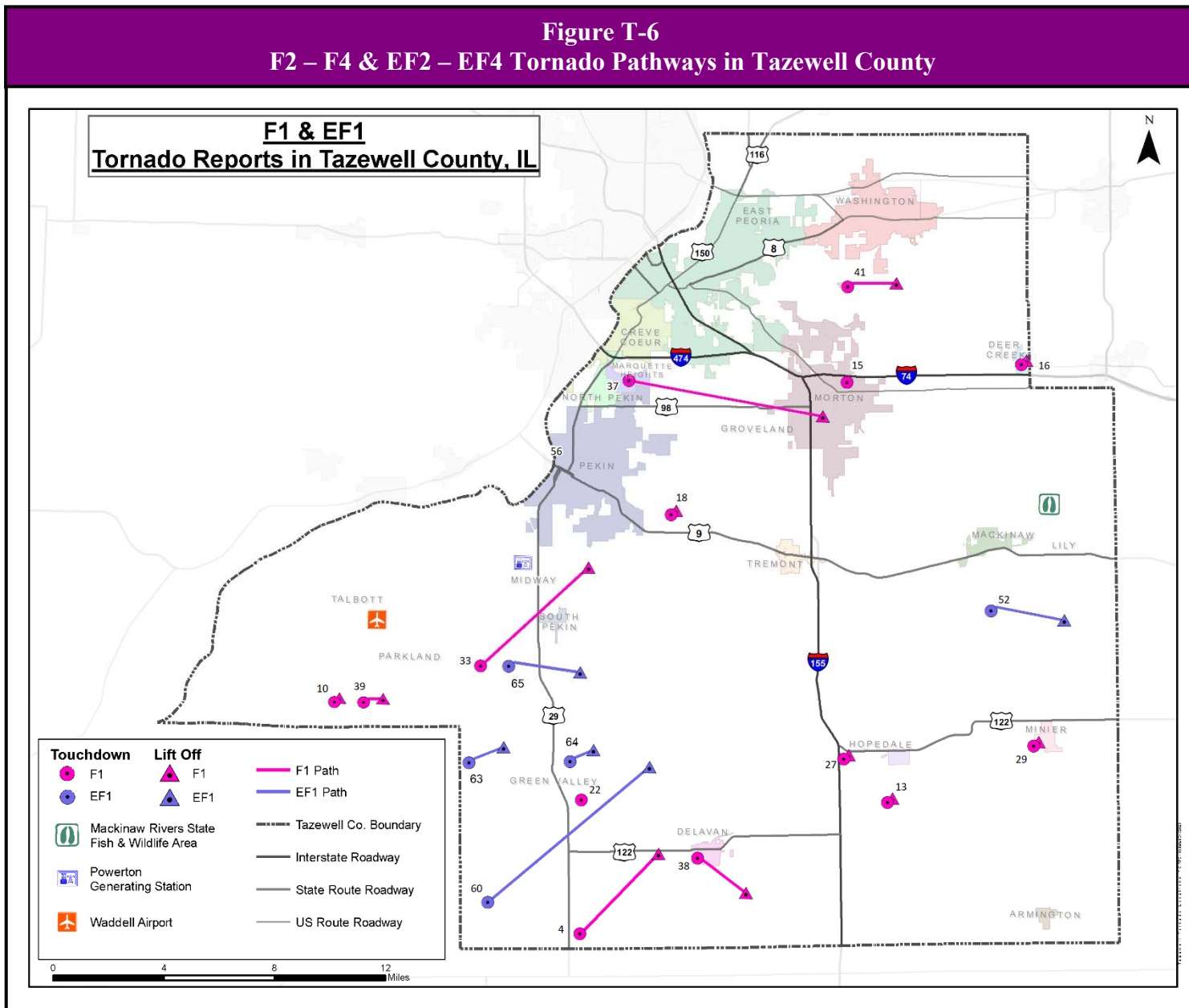


Figure T-6
F2 – F4 & EF2 – EF4 Tornado Pathways in Tazewell County



The EF4 tornado that occurred on November 17, 2013 also measured 880 yards wide, tying with the May 13, 1995 F3 tornado for the widest tornado recorded in Tazewell County. This EF4 tornado touched down southeast of East Peoria and traveled northeast through Tazewell, Woodford, and LaSalle Counties and into Livingston County before lifting off east of Long Point.

What locations are affected by tornadoes?

Tornadoes have the potential to affect the entire County. Five of the six participating municipalities have had reported occurrences of tornadoes within their corporate limits. The 2018 Illinois Natural Hazard Mitigation Plan prepared by IEMA-OHS classifies Tazewell County's hazard rating for tornadoes as "high."

What is the probability of future tornadoes occurring based on historical data?

Tazewell County has had 67 verified occurrences of tornadoes between 1950 and 2022. With 67 tornadoes over the past 73 years, the probability or likelihood that a tornado will touchdown somewhere in the County in any given year is 92%. There were 14 years over the last 73 years where more than one tornado occurred. This indicates that the probability that more than one tornado may occur during any given year within the County is 19%.

What is the probability of future tornadoes occurring based on modeled future conditions?

Since tornadoes only occur when several conditions are met, predicting them is extremely difficult, even in the short-term future. Somewhat easier to predict are supercell formations, which are large and longer-lived storm systems that create conditions favorable to producing tornadoes, such as strong rotational winds and updrafts. These systems are fed by warm humid air, which means that a wetter and warmer climate could make them a more likely occurrence. Since future condition forecasts suggest a wetter and warmer Illinois as discussed in Section 3.1, it is likely that the conditions that create tornadoes will become more frequent as well, increasing their likelihood. **Figure SS-7**, located in Section 3.1, contains a series of maps that show how the number of supercell tracks is likely to change in the future. The analysis of this trend should be revisited in subsequent planning efforts as more data becomes available.

HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure, and critical facilities from tornadoes.

Are the participating jurisdictions vulnerable to tornadoes?

Yes. All of Tazewell County, including the participating jurisdictions, is vulnerable to the dangers presented by tornadoes. Since 2013, 12 tornadoes have been recorded in Tazewell County.

Five of the six participating municipalities have had a tornado touch down or pass through their municipal boundaries. Creve Coeur is the only municipality that has not had a tornado touch down or pass through its limits. **Figure T-7** lists the verified tornadoes that have touched down in or near or passed through each participating municipality.

Figure T-7
Verified Tornadoes In or Near Participating Municipalities

Participating Municipality	Number of Verified Tornadoes	Year	
		Touched Down/Passed Through Municipality	Touched Down/Passed Near Municipality
Creve Coeur ^{1,2}	0	---	---
East Peoria ^{1,2}	7	1956, 1965, 1980, 1990, 1994, 2004, 2013	---
Morton ¹	8	1973, 1976, 1998, 2003	1974, 1994, 2003, 2006
Pekin ³	6	1955, 1990, 2013	1981, 1995, 2003
Tremont	2	1995	1981
Washington	8	1956, 2004, 2013	1967, 2003, 2003, 2003, 2010

¹East Peoria CHSD 309²East Peoria D&LD³ Pekin Park District

Unincorporated areas vulnerable to tornadoes include the Mackinaw River State Fish & Wildlife Area, which has had three tornadoes touch down in and near its vicinity. **Figure T-8** details the verified tornadoes that have touched down in or near unincorporated areas in Tazewell County.

Figure T-8
Verified Tornadoes In or Near Unincorporated Areas of Tazewell County

Unincorporated Area	Number of Verified Tornadoes	Year	
		Touched Down/Passed <u>Through</u> Unincorporated Area	Touched Down/Passed <u>Near</u> Unincorporated Area
Groveland	2	1998, 2003	---
Lilly	2	---	2008, 2015
Mackinaw River SFWA	3	2008, 2015	2008
Midway	2	1973	2020
Parkland	1	---	2000
Pekin Lake	1	1960	---
Pekin Municipal Airport	1	---	2019
Powerton Generating Station	2	1994	2003
Waddell Airport	1	1990	---

Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of tornadoes?

Yes. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, the following jurisdictions considered specific assets within their jurisdiction vulnerable to tornadoes.

Tremont:

- ❖ The Village's water tower is vulnerable to a tornado. If the water tower is damaged or inoperable, then service to residents will be impacted.
- ❖ During a tornado event, high winds can down overhead electrical lines and cause power outages that affect critical facilities, communications, and service to residents.

Washington:

Part of the City's wastewater treatment plant was damaged by a tornado.

What impacts resulted from the recorded tornadoes?

Data obtained from NOAA's Storm Events Database, Storm Data Publications and Storm Prediction Center indicates that between 1950 and 2022, 37 of the 67 tornadoes caused \$978,270,000 in property damages and \$75,500 in crop damages. Included in the property damage total is \$955 million in damages sustained as a result of the November 17, 2013 EF2 tornado in Pekin (\$45 million) and the EF4 tornado that devastated portion of East Peoria (\$110 million) and Washington (\$800 million). Property damage information was either unavailable or none was recorded for the remaining 30 reported occurrences.

NOAA's Storm Events Database documented three fatalities and 172 injuries as a result of nine tornado events. The three fatalities and 131 injuries were sustained as a result of the two tornado events on November 17, 2013. Detailed information on the injuries and fatalities sustained was only available for four of the events. The following provides a brief description of each.

- ❖ A worker was slightly injured when an F1 tornado destroyed the railroad barracks in South Pekin on May 9, 1995. Another injury was reported as a result of this tornado, but detailed information was unavailable.
- ❖ During the May 13, 1995 F3 tornado, two individuals sustained minor injuries when a subdivision one mile south of South Pekin was destroyed.
- ❖ A man sustained minor injuries when a piece of sheetrock hit him on the head as he was taking cover from an F0 tornado that hit the Country View Estates subdivision near South Pekin on April 30, 1997.
- ❖ During the May 10, 2003 F3 tornado, an individual suffered injuries when a car was overturned by the tornado on Interstate 74 at Morton.

In comparison, Illinois averages roughly four tornado fatalities annually; however, this number varies widely from year to year.

What other impacts can result from tornadoes?

In addition to causing damage to buildings and properties, tornadoes can damage infrastructure and critical facilities such as roads, bridges, railroad tracks, drinking water treatment facilities, water towers, communication towers, antennae, power substations, transformers, and poles. Depending on the damage done to the infrastructure and critical facilities, indirect impacts on individuals could range from inconvenient (i.e., adverse travel) to life-altering (i.e., loss of utilities for extended periods of time).

Tornado Fast Facts – Impacts/Risk

Tornado Impacts:

- ❖ Total Property Damage (36 events): **\$978,270,000**
- ❖ Total Crop Damage (5 events): **\$75,500**
- ❖ Injuries (9 events): **172**
- ❖ Fatalities (1 event): **3**

Tornado Risk/Vulnerability:

- ❖ Public Health & Safety – Rural Areas: **Low to Medium**
- ❖ Public Health & Safety – Municipalities: **High**
- ❖ Buildings/Infrastructure/Critical Facilities – Rural Areas: **Low to Medium**
- ❖ Buildings/Infrastructure/Critical Facilities – Municipalities/Populated Unincorp. Areas: **High**

What is the level of risk/vulnerability to public health and safety from tornadoes?

According to the 2018 Illinois Natural Hazard Mitigation Plan, Tazewell County **rank 7th out of 102 counties in Illinois in terms of tornado frequency**. This fact alone suggests that the overall risk posed by tornadoes to public health and safety is medium. While frequency is important, other factors must be examined when assessing vulnerability including population distribution and density, the ratings and pathways of previously recorded tornadoes, the presence of high-risk living accommodations (such as high-rise buildings, mobile homes, etc.) and adequate access to health care for those injured following a tornado.

In terms of adequate access to health care, Carle Health Pekin Hospital in Pekin as well as nearby hospitals in Peoria (Peoria County), Eureka (Woodford County), Bloomington/Normal (McLean County), Lincoln (Logan County), Havana (Mason County), and Canton (Fulton County) are equipped to provide care and have sufficient capacity for the influx of additional patients from one or more counties.

Tazewell County/D&LDs

For Tazewell County, including the drainage and levee districts in unincorporated Tazewell County, the level of risk or vulnerability posed by tornadoes to public health and safety is considered to be **low to medium**. This assessment is based on the fact that tornadoes do not occur frequently in the County and a large majority of the tornadoes that have impacted the County have touched down in rural areas away from concentrated populations. In addition, outside Washington-East Peoria-Creve Coeur-Pekin area, the County is not densely populated and there is not a large number of high-risk living accommodations present.

Participating Municipalities (including Schools, D&LDs & Park District)

In general, if a tornado were to touch down or pass through any of the participating municipalities the risk to the public health and safety would be considered **high**. This is based on the fact that all of the participating jurisdictions have relatively dense and evenly distributed populations within their municipal boundaries. As a result, if a tornado were to touch down anywhere within the corporate limits of these municipalities it will have a greater likelihood of causing injuries or even fatalities.

Do any participating jurisdictions have community safe rooms?

Yes. Creve Coeur identified their Water Department building at 103 N. Thorncrest Avenue as a community safe room. None of the other participating jurisdictions have community safe rooms. As a result, if a tornado were to touch down or pass through any of the population centers in the County, then there would be a greater likelihood of injuries and fatalities due to the lack of structures specifically designed and constructed to provide life-safety protection. Each jurisdiction should consider whether the potential impacts to public health and safety from a tornado are considered great enough to warrant the consideration of community safe rooms as a mitigation action.

Are existing buildings, infrastructure, and critical facilities vulnerable to tornadoes?

Yes. All existing buildings, infrastructure, and critical facilities located within the County and participating municipalities are vulnerable to tornado damage. Buildings, infrastructure, and critical facilities located in the path of a tornado usually suffer extensive damage, if not complete destruction.

While some buildings adjacent to a tornado's path may remain standing with little or no damage, all are vulnerable to damage from flying debris. It is common for flying debris to cause damage to roofs, siding, and windows. In addition, mobile homes, homes on crawlspaces, and buildings with large spans (i.e., schools, barns, airport hangers, factories, etc.) are more likely to suffer damage. Most workplaces and many residential units do not provide sufficient protection from tornadoes.

The damages sustained by infrastructure and critical facilities during a tornado are similar to those experienced during a severe storm. There is a high probability that power, communication, and transportation will be disrupted in and around the affected area.

Assessing the Vulnerability of Existing Residential Structures

One way to assess the vulnerability of existing residential structures is to estimate the number of housing units that may be potentially damaged if a tornado were to touch down or pass through any of the participating municipalities, townships or the County. In order to accomplish this, a set of decisions/assumptions must be made regarding:

- the size (area impacted) by the tornado;
- the method used to estimate the area impacted by the tornado within each jurisdiction; and
- the method used to estimate the number of potentially-damaged housing units.

The following provides a brief discussion of each decision/assumption.

Assumption #1: Size of Tornado. To calculate the number of existing residential structures vulnerable to a tornado, the size (area impacted) of the tornado must first be determined. There are several scenarios that can be used to calculate the size, including the worst case and the average. For this analysis, the area impacted by an average-sized tornado in Tazewell County will be used since it has a higher probability of recurring. In Tazewell County, the area impacted by an average-sized tornado has changed from 0.19 square miles in the 2019 Plan Update to 0.17 square miles, for this update. This average is based on more than 70 years of data.

Assumption #1

Size of Tornado = 0.17 sq. miles

Assumption #2: Method for Estimating the Area Impacted. Next, a method for determining the area within each jurisdiction impacted by the average-sized tornado needs to be chosen. There are several methods that can be used including creating an outline of the area impacted by the average-sized tornado and overlaying it on a map of each jurisdiction (most notably the municipalities) to see if any portion of the area falls outside of the corporate limits (which would require additional calculations) or just assume that the entire area of the average-sized tornado falls within the limits of each jurisdiction. For this discussion, it is assumed that the entire area of the average-sized tornado will fall within the limits of the participating jurisdictions.

Assumption #2

The entire area impacted by the average-sized tornado falls within the limits of each participating jurisdiction.

This method is quicker, easier, and more likely to produce consistent results when the Plan is updated again. There is, however, a greater likelihood that the number of potentially-damaged

housing units will be overestimated for those municipalities that have irregular shaped boundaries or occupy less than one square mile.

Assumption #3: Method for Estimating Potentially-Damaged Housing Units.

With the size of the tornado selected and a method for estimating the area impacted chosen, a decision must be made on an approach for estimating the number of potentially-damaged housing units. There are several methods that can be used including overlaying the average-sized tornado on a map of each jurisdiction and counting the impacted housing units or calculating the average housing unit density to estimate the number of potentially-damaged housing units.

Assumption #3

The average housing unit density for each jurisdiction will be used to determine the number of potentially-damaged housing units.

For this analysis, the average housing unit density will be used since it provides a realistic perspective on potential residential damages without conducting extensive counts. Using the average housing unit density also allows future updates to the Plan to be easily recalculated and provides an exact comparison to previous estimates.

Calculating Average Housing Unit Density

The average housing unit density can be calculated by taking the number of housing units in a jurisdiction and dividing that by the land area within the jurisdiction. **Figure T-9** provides a sample calculation.

Figure T-9 Calculation of Average Housing Unit Density – Tazewell County
$\text{Total Housing Units in the Jurisdiction} \div \text{Land Area within the Jurisdiction} =$ $\text{Average Housing Unit Density}$ (Rounded Up to the Nearest Whole Number) Tazewell County: 58,606 housing units ÷ 646.469 sq. miles = 90.656 housing units/sq. mile (91 housing units)

Figure T-10 provides a breakdown of housing unit densities by participating municipality as well as for the unincorporated areas of the County and the County as a whole.

While the average housing unit density provides an adequate assessment of the number of housing units in areas where the housing density is fairly constant, such as municipalities, it does not provide a realistic assessment for those counties with large, sparsely populated rural areas such as Tazewell County.

In Tazewell County, as well as many other central Illinois counties, there are pronounced differences in housing unit densities. A majority of all housing units (84%) still are located in six of the County's 19 townships (Cincinnati, Fondulac, Groveland, Morton, Pekin, and Washington), while approximately 86% of all mobile homes still are located in three townships (Fondulac, Groveland, and Morton). **Figure T-11** identifies the township boundaries. Tornado damage to buildings (especially mobile homes), infrastructure and critical facilities in these more densely

populated townships is likely to be greater than in the rest of the County. While the County, East Peoria, Morton, Pekin, and Washington have ordinances that require anchoring systems for mobile homes that would help limit the damage from lower rated tornadoes, the remaining two participating municipalities do not.

Figure T-10					
Average Housing Unit Density by Participating Jurisdiction					
Participating Jurisdiction	Township Location	Total Housing Units (2017-2021)	Mobile Homes (2017-2021)	Land Area (Sq. Miles) (2020)	Average Housing Unit Density (Units/Sq. Mi.) (Raw)
Creve Coeur ^{1,2}	Groveland, Pekin	2,284	162	4.231	539.825
East Peoria ^{1,2}	Fondulac, Groveland, Washington	10,697	11	20.411	524.080
Morton ¹	Groveland, Morton, Tremont, Washington	7,554	458	12.808	589.788
Pekin ³	Cincinnati, Elm Grove, Groveland, Pekin	15,098	29	15.596	968.069
Tremont	Elm Grove, Tremont	1,059	0	1.120	945.536
Washington	Washington	6,384	13	8.541	747.453
Unincorp. County		9,896	182	575.440	17.197
County		58,606	905	646.469	90.656

¹East Peoria CHSD 309

²East Peoria D&LD

³ Pekin Park District

Source: U.S. Census Bureau, American Community Survey, 5-Year Data Profile.

This substantial difference in density skews the average county housing unit density in Tazewell County and is readily apparent when compared to the average housing unit densities for each of the townships within the County. **Figure T-12** provides a breakdown of housing unit densities by township and illustrates the differences between the various townships and the County as a whole.

For 13 of the 19 townships, the average county housing unit density is greater (in most cases considerably greater) than the average township housing unit densities. However, the average county housing unit density is considerably less than the housing unit densities for the six most populated townships.

Estimating the Number of Potentially-Damaged Housing Units

Before an estimate of the number of potentially-damaged housing units can be calculated for the participating municipalities, an additional factor needs to be taken into consideration: the presence of commercial/industrial developments and/or large tracts of undeveloped land. Occasionally villages and cities will annex large tracts of undeveloped land or have commercial/industrial parks/developments located within their corporate limits. In many cases these large tracts of land include very few residential structures. Consequently, including these tracts of land in the calculations to determine the number of potentially-damaged housing units skews the results, especially for very small municipalities. Therefore, to provide a more realistic assessment of the number of potentially-damaged housing units, these areas were subtracted from the land area figures obtained from the U.S. Census Bureau for the analysis for this update.

Figure T-11
Townships in Tazewell County

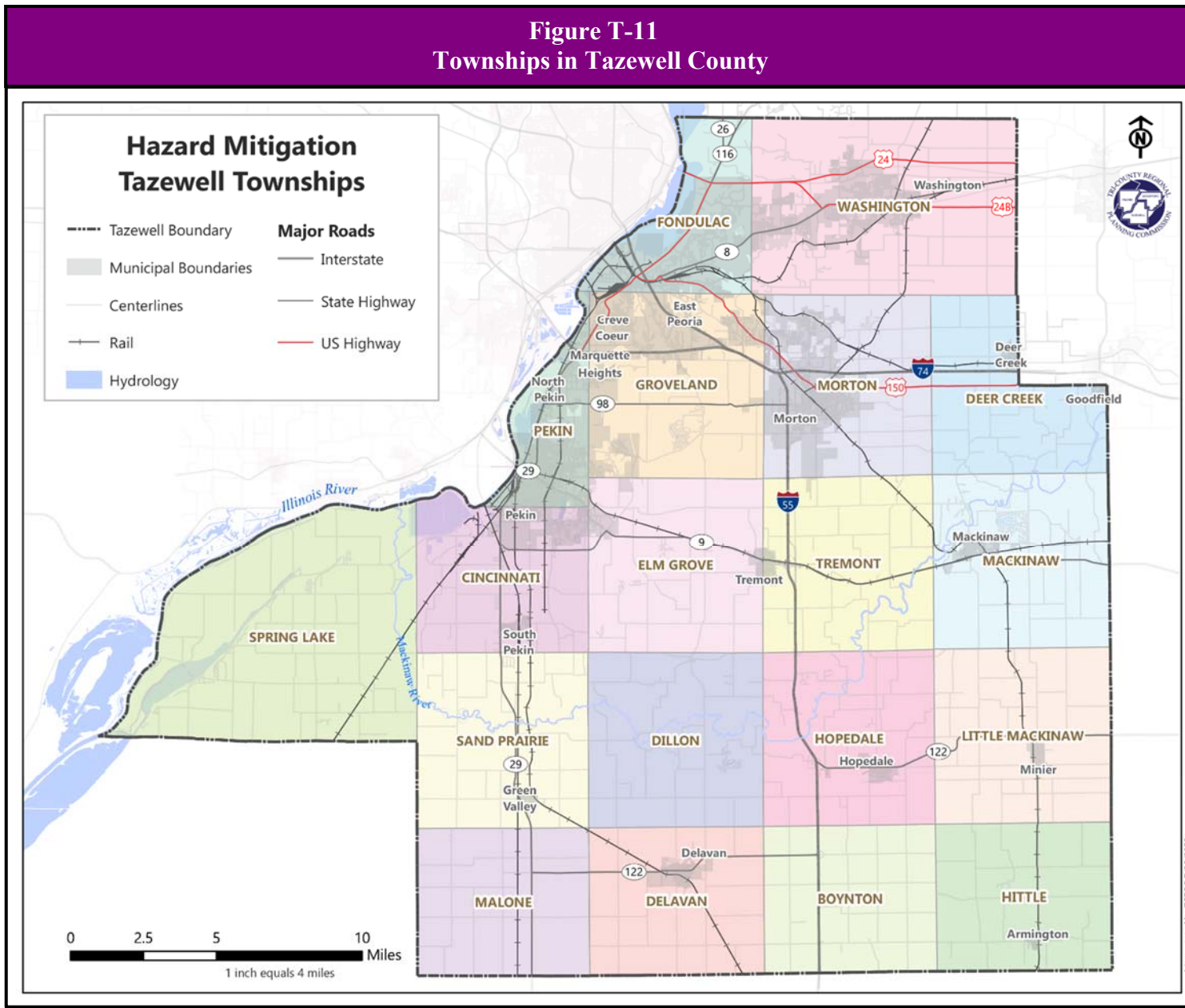


Figure T-12
Average Housing Unit Density by Township

Township	Incorporated Municipalities Located in Township	Total Housing Units (2017-2021)	Mobile Homes (2017-2021)	Land Area (Sq. Miles) (2020)	Average Housing Unit Density (Units/Sq. Mi.) (Raw)
Boynton		110	0	29.587	3.718
Cincinnati ³	Pekin, South Pekin	3,173	5	27.959	113.488
Deer Creek	Deer Creek, Goodfield	564	0	27.485	20.520
Delavan	Delavan	958	0	30.158	31.766
Dillon		297	4	35.946	8.262
Elm Grove ³	Pekin, Tremont	1,325	0	36.028	36.777
Fondulac ^{1,2}	East Peoria	6,131	136	17.777	344.884
Groveland ^{1,2,3}	Creve Coeur, East Peoria, Marquette Heights, Morton, Pekin	8,386	215	38.030	220.510
Hittle	Armington	237	3	30.254	7.834
Hopedale	Hopedale	784	0	35.168	22.293
Little Mackinaw	Minier	633	11	36.347	17.415
Mackinaw	Mackinaw	1,862	36	36.160	51.493
Malone		71	9	29.682	2.392
Morton	Morton	7,761	424	35.760	217.030
Pekin ^{2,3}	Creve Coeur, Marquette Heights, North Pekin, Pekin	13,795	21	12.304	1121.180
Sand Prairie	Green Valley	622	0	35.431	17.555
Spring Lake		825	8	62.464	13.208
Tremont	Morton, Tremont	1,052	20	35.051	30.013
Washington	East Peoria, Morton, Washington	10,020	13	54.876	182.593
Townships - 6 most populated		49,266	775	186.706	263.869
Townships - 13 least populated		9,340	130	459.761	20.315

¹East Peoria CHSD 309 ²East Peoria D&LD ³ Pekin Park District

Source: U.S. Census Bureau, American Community Survey, 5-Year Data Profile.

In Tazewell County, all of the participating municipalities have large commercial/industrial and/or undeveloped land areas within their municipal boundaries. These areas account for approximately one-fourth to three-fifths of the land area in these municipalities. If these areas are subtracted from the U.S. Census Bureau land area figures, then the remaining land areas have fairly consistent housing unit densities and contain a majority of the housing units. **Figure T-13** provides a breakdown of the refined land area figures for the municipalities. These refined land area figures will be used to update the average housing unit density calculations for these municipalities.

With updated average housing unit densities calculated it is relatively simple to provide an estimate of the number of existing potentially-damaged housing units. This can be done by multiplying the average housing unit density by the area impacted by the average-sized Tazewell County tornado. **Figure T-14** provides a sample calculation.

Figure T-13 Refined Land Area Figures for Participating Municipalities with Large Tracts of Commercial/Industrial and Undeveloped Land Areas			
Participating Jurisdiction	Land Area (Sq. Miles) (2020)	Estimated Open Land Area & Commercial/Industrial Tracts (Sq. Miles)	Refined Land Area (Sq. Miles)
Creve Coeur ^{1,2}	4.231	2.550	1.681
East Peoria ^{1,2}	20.411	6.370	14.041
Morton ¹	12.808	6.130	6.678
Pekin ³	15.596	3.930	11.666
Tremont	1.120	0.470	0.650
Washington	8.541	4.340	4.201

¹East Peoria CHSD 309²East Peoria D&LD³Pekin Park District

Figure T-14 Sample Calculation of Potentially-Damaged Housing Units – Tazewell County
Average Housing Unit Density x Area Impacted by the Average-Sized Tazewell County Tornado = Potentially-Damaged Housing Units (Rounded Up to the Nearest Whole Number) Tazewell County: 90.656 housing units/sq. mile x 0.17 sq. miles = 15.41 housing units (16 housing units)

For those municipalities that cover less than one square mile, the average housing unit density cannot be used to calculate the number of potentially-damaged housing units. The average housing unit density assumes that the land area within the municipality is at least one square mile and as a result distorts the number of potentially-damaged housing units for very small municipalities.

To calculate the number of potentially-damaged housing units for these municipalities, the area impacted by the averaged-sized Tazewell County tornado is divided by the land area within the municipality to get the impacted land area. The impacted land area is then multiplied by the total number of housing units within the municipality to get the number of potentially-damaged housing units. **Figure T-15** provides a sample calculation.

Figures T-16 and T-17 provide a breakdown of the number of potentially-damaged housing units by participating municipality, as well as by township and for the unincorporated areas of the County and the County as a whole. It is important to note that for the most densely populated townships, the estimated number of potentially-damaged housing units would only be reached if a tornado's pathway included the major municipality within the township. If the tornado remained in the rural portion of the township, then the number of potentially-damaged housing units would be considerably lower.

Figure T-15
Sample Calculation of Potentially-Damaged Housing Units
for Municipalities Covering Less Than One Square Mile – Tremont

Area Impacted by the Average-Sized Tazewell County Tornado ÷ Land Area within the Jurisdiction x Total Housing Units in the Jurisdiction = Potentially-Damaged Housing Units

(Rounded Up to the Nearest Whole Number)

Tremont: 0.17 sq. mile ÷ 0.650 sq. miles x 1,059 housing units = 276.97
(277 housing units)

Figure T-16
Estimated Number of Housing Units by Participating Jurisdiction
Potentially Damaged by a Tornado

Participating Jurisdiction	Total Housing Units (2017-2021)	Land Area/Refined Land Area (Sq. Miles) (2020)	Average Housing Unit Density (Units/Sq. Mi.) (Raw)	Potentially-Damaged Housing Units (Units/0.17 Sq. Mi.) (Raw)	Potentially-Damaged Housing Units (Units/0.17 Sq. Mi.) (Rounded Up)
Creve Coeur ^{1,2}	2,284	1.681	1358.715	230.98	231
East Peoria ^{1,2}	10,697	14.041	761.840	129.51	130
Morton ¹	7,554	6.678	1131.177	192.30	193
Pekin ³	15,098	11.666	1294.188	220.01	221
Tremont	1,059	0.650	---	276.97	277
Washington	6,384	4.201	1519.638	258.34	259
Unincorp. County	9,896	575.440	17.197	2.92	3
County	58,606	646.469	90.656	15.41	16

¹East Peoria CHSD 309

²East Peoria D&LD

³ Pekin Park District

What is the level of risk/vulnerability to existing buildings, infrastructure, and critical facilities vulnerable from tornadoes?

There are several factors that must be examined when assessing the vulnerability of existing buildings, infrastructure, and critical facilities to tornadoes. These factors include tornado frequency, population distribution and density, the ratings and pathways of previously recorded tornadoes, and the presence of high-risk living accommodations (such as high-rise buildings, mobile homes, etc.).

Unincorporated Tazewell County (including Fire Protection Districts and Townships)

For Tazewell County, including the fire protection district and townships, the level of risk or vulnerability posed by tornadoes to existing buildings, infrastructure, and critical facilities is considered to be **low to medium** depending on the population density of the township/fire protection district. This assessment is based on the frequency with which tornadoes have occurred in the County, as well as the amount of damage that has been sustained tempered by the low population density throughout most of unincorporated Tazewell County and the presence of few

high risk living accommodations. While previously recorded tornadoes have followed largely rural pathways, they have caused significant damage on several occasions.

Figure T-17
Estimated Number of Housing Units by Township Potentially Damaged by a Tornado

Township	Total Housing Units (2017-2021)	Land Area (Sq. Miles) (2020)	Average Housing Unit Density (Units/Sq. Mi.) (Raw)	Potentially-Damaged Housing Units (Units/0.17 Sq. Mi.) (Raw)	Potentially-Damaged Housing Units (Units/0.17 Sq. Mi.) (Rounded Up)
Boynnton	110	29.587	3.718	0.63	1
Cincinnati ³	3,173	27.959	113.488	19.29	20
Deer Creek	564	27.485	20.520	3.49	4
Delavan	958	30.158	31.766	5.40	6
Dillon	297	35.946	8.262	1.40	2
Elm Grove ³	1,325	36.028	36.777	6.25	7
Fondulac ^{1,2}	6,131	17.777	344.884	58.63	59
Groveland ^{1,2,3}	8,386	38.030	220.510	37.49	38
Hittle	237	30.254	7.834	1.33	2
Hopedale	784	35.168	22.293	3.79	4
Little Mackinaw	633	36.347	17.415	2.96	3
Mackinaw	1,862	36.160	51.493	8.75	9
Malone	71	29.682	2.392	0.41	1
Morton	7,761	35.760	217.030	36.90	37
Pekin ^{2,3}	13,795	12.304	1,121.180	190.60	191
Sand Prairie	622	35.431	17.555	2.98	3
Spring Lake	825	62.464	13.208	2.25	3
Tremont	1,052	35.051	30.013	5.10	6
Washington	10,020	54.876	182.593	31.04	32
Townships - 6 most populated	49,266	186.706	263.869	44.86	45
Townships - 13 least populated	9,340	459.761	20.315	3.45	4

¹East Peoria CHSD 309

²East Peoria D&LD

³ Pekin Park District

Participating Municipalities (including School Districts and Levee Districts)

In general, if a tornado were to touch down or pass through any of the participating municipalities the risk to existing buildings, infrastructure, and critical facilities would be considered **high**. This assessment is based on the population and housing unit distribution within the municipalities where wide expanses of open spaces do not generally exist. As a result, if a tornado were to touch down within any of the municipalities it would have a greater likelihood of causing substantial property damage.

Are future buildings, infrastructure, and critical facilities vulnerable to tornadoes?

Yes and No. The County and all of the participating municipalities have building codes in place that will likely lessen the vulnerability of new buildings and critical facilities to damage from tornadoes. However, even new buildings and critical facilities built to code are vulnerable to the risks posed by a higher rated tornado.

Infrastructure such as new communication and power lines will continue to be vulnerable to tornadoes as long as they are located above ground. Flying debris can disrupt power and communication lines even if they are not directly in the path of the tornado. Steps to bury all new lines would eliminate the vulnerability, but this action would be cost prohibitive in most areas.

What are the potential dollar losses to vulnerable structures from tornadoes?

Unlike other hazards, such as flooding, there are no standard loss estimation models or methodologies for tornadoes. However, a rough estimate of potential dollar losses to the potentially-damaged housing units determined previously can be calculated if several additional decisions/assumptions are made regarding:

- the value of the potentially-damaged housing units; and
- the percent damage sustained by the potentially-damaged housing units (i.e., damage scenario).

These assumptions represent a **probable scenario** based on the reported historical occurrences of tornadoes in Tazewell County. The purpose of providing a rough estimate is to help residents and government officials make informed decisions to better protect themselves and their communities. These estimates are meant to provide a **general idea** of the magnitude of the potential damage that could occur. The following provides a brief discussion of each decision/assumption.

Assumption #4: Value of Potentially-Damaged Housing Units.

In order to determine the potential dollar losses to the potentially-damaged housing units, the monetary value of the units must first be calculated. Typically, when damage estimates are prepared after a natural disaster such as a tornado, they are based on the market value of the structure. Since it would be impractical to determine the individual market value of each potentially-damaged housing unit, the average market value of residential structures in each municipality will be used.

Assumption #4

The average market value for residential structures in each participating jurisdiction will be used to determine the value of potentially-damaged housing units.

To determine the average market value, the average assessed value must first be calculated. The average assessed value is calculated by taking the total assessed value of residential buildings within a jurisdiction and dividing that number by the total number of housing units within the jurisdiction. The average market value is then determined by taking the average assessed value and multiplying that number by three (the assessed value of a structure in Tazewell County is approximately one-third of the market value). **Figure T-18** provides a sample calculation. The total assessed value is based on 2022 tax assessment information obtained from the Tazewell County Clerk.

Figures T-19 and T-20 provide the average assessed value and average market value for each participating municipality as well as by township and for the unincorporated areas of the County and the County as a whole.

Figure T-18
Sample Calculation of Average Assessed Value & Average Market Value – Tremont

Average Assessed Value

Total Assessed Value of Residential Buildings in the Jurisdiction ÷ Total Housing Units in the Jurisdiction = Average Assessed Value (Rounded to the Nearest Dollar)

Tremont: \$41,518,945 ÷ 1,059 housing units = \$39,206

Average Market Value

Average Assessed Value x 3 = Average Market Value

Tremont: \$39,206 x 3 = \$117,618
(\$117,618)

Figure T-19
Average Market Value of Housing Units by Participating Jurisdiction

Participating Jurisdiction	Total Assessed Value of Residential Buildings (2022)	Total Housing Units (2017-2021)	Average Assessed Values	Average Market Value (2022)
Creve Coeur ^{1,2}	\$39,537,045	2,284	\$17,310	\$51,930
East Peoria ^{1,2}	\$327,064,080	10,697	\$30,575	\$91,725
Morton ¹	\$383,333,665	7,554	\$50,746	\$152,238
Pekin ³	\$330,271,161	15,098	\$21,875	\$65,625
Tremont	\$41,518,945	1,059	\$39,206	\$117,618
Washington	\$310,882,740	6,384	\$48,697	\$146,091
Unincorp. County	\$442,422,749	9,896	\$44,707	\$134,121
County	\$2,018,303,176	58,606	\$34,439	\$103,317

¹East Peoria CHSD 309

²East Peoria D&LD

³ Pekin Park District

Source: Tazewell County Clerk.

Assumption #5: Damage Scenario. Finally, a decision must be made regarding the percent damage sustained by the potentially-damaged housing units and their contents. For this scenario, the expected percent damage sustained by the structure and its contents is 100%; in other words, all of the potentially-damaged housing units would be completely destroyed. While it is highly unlikely that each and every housing unit would sustain the maximum percent damage, identifying and calculating different degrees of damage within the average area impacted is complex and provides an additional complication when updating the Plan.

Assumption #5

The tornado would completely destroy the potentially-damaged housing units.

Structural Damage = 100%

Content Damage = 100%

Calculating Potential Dollar Losses

With all the decisions and assumptions made, the potential dollar losses can now be calculated. First, the potential dollar losses to the **structure** of a potentially-damaged housing unit must be determined. This is done by taking the average market value for a residential structure and

multiplying it by the percent damage (100%) to get the average structural damage per unit. Next the average structural damage per unit is multiplied by the number of potentially-damaged housing units. **Figure T-21** provides a sample calculation.

Figure T-20 Average Market Value of Housing Units by Township				
Participating Jurisdiction	Total Assessed Value of Residential Buildings (2022)	Total Housing Units (2017-2021)	Average Assessed Values	Average Market Value (2022)
Boynton	\$1,851,650	110	\$16,833	\$50,500
Cincinnati ³	\$108,061,158	3,173	\$34,056	\$102,169
Deer Creek	\$24,418,560	564	\$43,295	\$129,886
Delavan	\$19,093,600	958	\$19,931	\$59,792
Dillon	\$15,133,145	297	\$50,953	\$152,860
Elm Grove ³	\$53,088,662	1,325	\$40,067	\$120,201
Fondulac ^{1,2}	\$174,675,504	6,131	\$28,491	\$85,472
Groveland ^{1,2,3}	\$286,803,102	8,386	\$34,200	\$102,601
Hittle	\$5,649,554	237	\$23,838	\$71,513
Hopedale	\$26,770,757	784	\$34,146	\$102,439
Little Mackinaw	\$18,886,960	633	\$29,837	\$89,512
Mackinaw	\$73,808,948	1,862	\$39,640	\$118,919
Malone	\$1,914,380	71	\$26,963	\$80,889
Morton	\$401,126,815	7,761	\$51,685	\$155,055
Pekin ^{2,3}	\$259,969,316	13,795	\$18,845	\$56,536
Sand Prairie	\$16,470,093	622	\$26,479	\$79,438
Spring Lake	\$23,177,267	825	\$28,094	\$84,281
Tremont	\$51,174,182	1,052	\$48,645	\$145,934
Washington	\$456,229,523	10,020	\$45,532	\$136,596
Townships - 6 most populated	\$1,578,804,260	49,266	\$32,047	\$96,140
Townships - 13 least populated	\$439,498,916	9,340	\$47,056	\$141,167

¹East Peoria CHSD 309 ²East Peoria D&LD ³ Pekin Park District
Source: Tazewell County Clerk.

Figure T-21 Structure: Potential Dollar Loss Sample Calculation – Tremont
Average Market Value of a Housing Unit with the Jurisdiction x Percent Damage = Average Structural Damage per Housing Unit Tremont: \$117,618 x 100% = \$117,618 per housing unit Average Structural Damage per Housing Unit x Number of Potentially-Damaged Housing Units within the Jurisdiction = Structure Potential Dollar Losses Tremont: \$117,618 per housing unit x 277 housing units = \$32,580,186 (\$32,580,186)

Next, the potential dollar losses to the **content** of a potentially-damaged housing unit must be determined. Based on FEMA guidance, the average value of a residential housing unit's content is approximately 50% of its market value. Therefore, start by taking one-half the average market value for a residential structure and multiply by the percent damage (100%) to get the average content damage per unit. Next the average content damage per unit is multiplied by the number of potentially-damaged housing units. **Figure T-22** provides a sample calculation.

Figure T-22 Content: Potential Dollar Loss Sample Calculation – Tremont	
$\frac{1}{2}$ (Average Market Value of a Housing Unit) with the Jurisdiction x Percent Damage =	Average Content Damage per Housing Unit
Tremont: $\frac{1}{2}$ (\$117,618) x 100% = \$58,809 per housing unit	
Average Content Damage per Housing Unit x Number of Potentially-Damaged Housing Units within the Jurisdiction =	Content Potential Dollar Losses
Tremont: \$58,809 per housing unit x 277 housing units = \$16,290,093 (\$16,290,093)	

Finally, the **total potential dollar losses** may be calculated by adding together the potential dollar losses to the structure and content. **Figures T-23** and **T-24** give a breakdown of the total potential dollar losses by municipality and township. For comparison, an estimate of potential dollar losses was calculated for the entire County, the unincorporated portions of the County, the six most populated townships and the 13 least populated townships.

Figure T-23 Estimated Potential Dollar Losses to Potentially-Damaged Housing Units from a Tornado by Participating Jurisdiction					
Participating Jurisdiction	Average Market Value (2022)	Potentially-Damaged Housing Units (Rounded Up)	Potential Dollar Losses		Total Potential Dollar Losses
			Structure	Content	
Creve Coeur ^{1,2}	\$51,930	231	\$11,995,830	\$5,997,915	\$17,993,745
East Peoria ^{1,2}	\$91,725	130	\$11,924,250	\$5,962,125	\$17,886,375
Morton ¹	\$152,238	193	\$29,381,934	\$14,690,967	\$44,072,901
Pekin ³	\$65,625	221	\$14,503,125	\$7,251,563	\$21,754,688
Tremont	\$117,618	277	\$32,580,186	\$16,290,093	\$48,870,279
Washington	\$146,091	259	\$37,837,569	\$18,918,785	\$56,756,354
Unincorp. County	\$134,121	3	\$402,363	\$201,182	\$603,545
County	\$103,317	16	\$1,653,072	\$826,536	\$2,479,608

¹East Peoria CHSD 309²East Peoria D&LD³ Pekin Park District

Figure T-24
Estimated Potential Dollar Losses to Potentially-Damaged
Housing Units from a Tornado by Township

Participating Jurisdiction	Average Market Value (2022)	Potentially-Damaged Housing Units (Rounded Up)	Potential Dollar Losses		Total Potential Dollar Losses
			Structure	Content	
Boynton	\$50,500	1	\$50,500	\$25,250	\$75,750
Cincinnati ³	\$102,169	20	\$2,043,380	\$1,021,690	\$3,065,070
Deer Creek	\$129,886	4	\$519,544	\$259,772	\$779,316
Delavan	\$59,792	6	\$358,752	\$179,376	\$538,128
Dillon	\$152,860	2	\$305,720	\$152,860	\$458,580
Elm Grove ³	\$120,201	7	\$841,407	\$420,704	\$1,262,111
Fondulac ^{1,2}	\$85,472	59	\$5,042,848	\$2,521,424	\$7,564,272
Groveland ^{1,2,3}	\$102,601	38	\$3,898,838	\$1,949,419	\$5,848,257
Hittle	\$71,513	2	\$143,026	\$71,513	\$214,539
Hopedale	\$102,439	4	\$409,756	\$204,878	\$614,634
Little Mackinaw	\$89,512	3	\$268,536	\$134,268	\$402,804
Mackinaw	\$118,919	9	\$1,070,271	\$535,136	\$1,605,407
Malone	\$80,889	1	\$80,889	\$40,445	\$121,334
Morton	\$155,055	37	\$5,737,035	\$2,868,518	\$8,605,553
Pekin ^{2,3}	\$56,536	191	\$10,798,376	\$5,399,188	\$16,197,564
Sand Prairie	\$79,438	3	\$238,314	\$119,157	\$357,471
Spring Lake	\$84,281	3	\$252,843	\$126,422	\$379,265
Tremont	\$145,934	6	\$875,604	\$437,802	\$1,313,406
Washington	\$136,596	32	\$4,371,072	\$2,185,536	\$6,556,608
Townships - 6 most populated	\$96,140	45	\$4,326,300	\$2,163,150	\$6,489,450
Townships - 13 least populated	\$141,167	4	\$564,668	\$282,334	\$847,002

¹East Peoria CHSD 309²East Peoria D&LD³ Pekin Park District

This assessment illustrates why potential residential dollar losses should be considered when jurisdictions are deciding which mitigation projects to pursue. ***Potential dollar losses caused by an average tornado in Tazewell County would be expected to exceed at least \$17.8 million in any of the participating municipalities. This figure is up \$4.6 million from the previous analysis.***

Potential dollar losses caused by an average tornado in Tazewell County townships would be expected to range from \$75,750 in Boynton Township to \$16.1 million in Pekin Township. As discussed previously, the estimate for the entire County is skewed because it does not take into consideration the differences in the housing density.

Vulnerability of Commercial/Industrial Businesses and Infrastructure/Critical Facilities

The calculations presented above are meant to provide the reader with a sense of the scope or magnitude of an average-sized tornado in term of residential dollar losses. These calculations do not include damages sustained by businesses or other infrastructure and critical facilities within the participating jurisdictions.

In terms of businesses, the impacts from an average-sized tornado event can be physical and/or monetary. Monetary impacts can include loss of sales revenue either through temporary closure or loss of critical services (i.e., power, drinking water, and sewer). Depending on the magnitude of the event, the damage sustained by infrastructure and critical facilities can be extensive in nature and expensive to repair. As a result, the cumulative monetary impacts to businesses and infrastructure can exceed the cumulative monetary impacts to residences. ***While average dollar amounts cannot be supplied for these items at this time, they should be taken into account*** when discussing the impacts that an average-sized tornado could have on the participating jurisdictions.

3.7 DROUGHTS

HAZARD IDENTIFICATION

What is the definition of a drought?

While difficult to define, the National Drought Mitigation Center (NDMC) considers “drought” in its most general sense to be a deficiency of precipitation over an extended period of time, usually a season or more, resulting in a water shortage.

Drought is a normal and recurrent feature of climate and can occur in all climate zones, though its characteristics and impacts vary significantly from one region to another. Unlike other natural hazards, drought does not have a clearly defined beginning or end. Droughts can be short, lasting just a few months, or they can persist for several years. There have been 28 drought events with losses exceeding \$1 billion each (CPI-Adjusted) across the U.S. between 1980 and 2022. This is due in part to the sheer size of the areas affected.

What types of drought occur?

There are four main types of drought that occur: meteorological, agricultural, hydrological, and socioeconomic. They are differentiated based on the use and need for water. The following provides a brief description of each type.

- **Meteorological Drought.** Meteorological drought is defined by the degree of dryness or rainfall deficit and the duration of the dry period. Due to climate differences, what might be considered a drought in one location of the country may not be in another location.
- **Agricultural Drought.** An agricultural drought refers to a period when rainfall deficits, soil moisture deficits, reduced ground water or reservoir levels needed for irrigation impact crop development and yields.
- **Hydrological Drought.** Hydrological drought refers to a period when precipitation deficits (including snowfall) impact surface (stream flow, reservoir and lake levels) and subsurface (aquifers) water supply levels.
- **Socioeconomic Drought.** Socioeconomic drought refers to a period when the demand for an economic good (fruit, vegetables, grains, etc.) exceeds the supply as a result of weather-related shortfall in the water supply.

How are droughts measured?

There are numerous quantitative measures (indicators and indices) that have been developed to measure drought. How these indicators and indices measure drought depends on the discipline affected (i.e., agriculture, hydrology, meteorology, etc.) and the region being considered. There is no single index or indicator that can account for and be applied to all types of drought.

Although none of the major indices are inherently superior to the rest, some are better suited than others for certain uses. The first comprehensive drought index developed in the U.S. was the Palmer Drought Severity Index (PDSI). The PDSI is calculated based on precipitation and temperature data, as well as the local Available Water Content of the soil. It is most effective

measuring drought impacts on agriculture. For many years it was the only operational drought index, and it is still very popular around the world.

The Standardized Precipitation Index (SPI), developed in 1993, uses precipitation records for any location to develop a probability of precipitation for any time scale in order to reflect the impact of drought on the availability of different water resources (groundwater, reservoir storage, streamflow, snowpack, etc.) In 2009, the World Meteorological Organization recommended SPI as the main meteorological drought index that countries should use to monitor and follow drought conditions.

The first operational ‘composite’ approach applied in the U.S. was the U.S. Drought Monitor (USDM). The USDM utilizes five key indicators, numerous supplementary indicators, and local reports from expert observers around the country to produce a drought intensity rating that is ideal for monitoring droughts that have many impacts, especially on agriculture and water resources during all seasons over all climate types. NOAA’s Storm Events Database records include USDM ratings and utilized them along with additional weather information to describe the severity of the drought conditions impacting affected counties. Therefore, this Plan will utilize USDM ratings to identify and describe previous drought events recorded within the County. The following provides a more detailed discussion of the USDM to aid the Plan’s developers and the general public in understanding how droughts are identified and categorized.

U.S. Drought Monitor (USDM)

Established in 1999, the USDM is a relatively new index that combines quantitative measures with input from experts in the field. It is designed to provide the general public, media, government officials and others with an easily understandable “big picture” overview of drought conditions across the U.S. It is unique in that it combines a variety of numeric-based drought indices and indicators with local expert input to create a single composite drought indicator, the results of which are illustrated via a weekly map that depicts the current drought conditions across the U.S. The USDM is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the U.S. Department of Agriculture (USDA), and the National Oceanic and Atmospheric Administration (NOAA).

The USDM has a scale of five intensity categories, D0 through D4, that are utilized to identify areas of drought. **Figure DR-1** provides a brief description of each category.

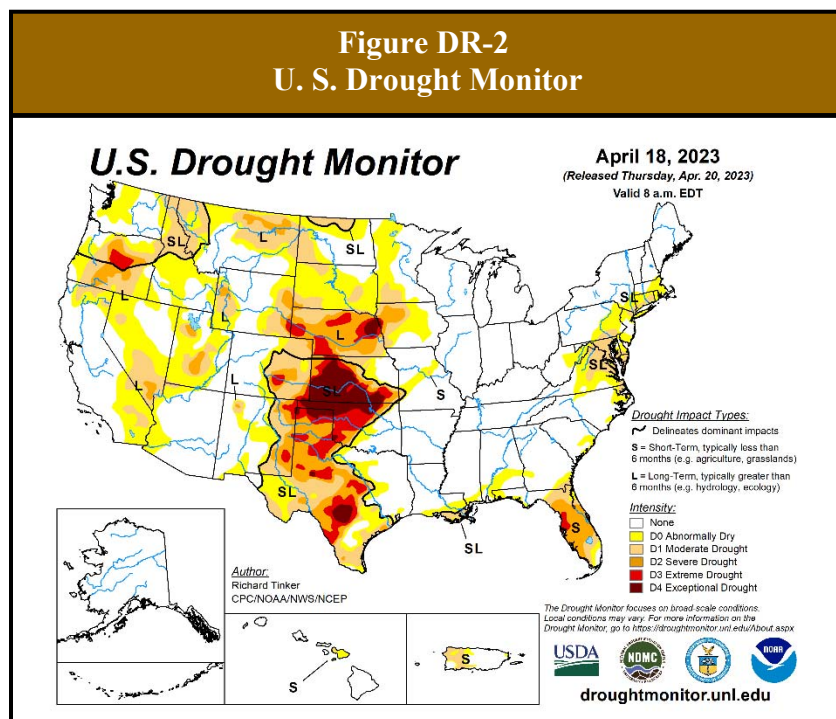
Because the ranges of the various indicators often don’t coincide, the final drought category tends to be based on what a majority of the indicators show and on local observations. The authors also weight the indices according to how well they perform in various parts of the country and at different times of the year. It is the combination of the best available data, location observations and experts’ best judgment that make the U.S. Drought Monitor more versatile than other drought indices.

In addition to identifying and categorizing general areas of drought, the USDM also identifies whether a drought’s impacts are short-term (typically less than 6 months – agriculture, grasslands) or long-term (typically more than 6 months – hydrology, ecology). **Figure DR-2** shows an

example of the USDM weekly map. The USDM is designed to provide a consistent big-picture look at drought conditions in the U.S. It is not designed to infer specifics about local conditions.

Figure DR-1 U.S. Drought Monitor – Drought Intensity Categories	
Category	Possible Impacts
D0 (Abnormally Dry)	- Going into drought: - short-term dryness slowing planting, growth of crops or pastures. - Coming out of drought: - some lingering water deficits - pastures or crops not fully recovered
D1 (Moderate Drought)	- Some damage to crops, pastures - Streams, reservoirs, or wells low; some water shortages developing or imminent - Voluntary water-use restrictions requested
D2 (Severe Drought)	- Crop or pasture losses likely - Water shortages common - Water restrictions imposed
D3 (Extreme Drought)	- Major crop/pasture losses - Widespread water shortages or restrictions
D4 (Exceptional Drought)	- Exceptional and widespread crop/pasture losses - Shortages of water in reservoirs, streams, and wells creating water emergencies

Source: U.S. Drought Monitor.



The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the U.S. Department of Agriculture, and the National Oceanic and Atmospheric Administration. Map Courtesy of NDMC.

HAZARD PROFILE

The following identifies past occurrences of drought, details the severity or extent of each event (if known); identifies the locations potentially affected and estimates the likelihood of future occurrences.

When have droughts occurred previously? What is the extent of these previous droughts?

Table 10, located in **Appendix J**, summarizes the previous occurrences as well as the extent or magnitude of the drought events recorded in Tazewell County.

Drought Fast Facts – Occurrences

Number of Drought Events Reported (1980 – 2022): 6

NOAA’s Storm Events Database, the Illinois State Water Survey, the Illinois Emergency Management Agency and Office of Homeland Security (IEMA-OHS), the NDMC at the University of Nebraska-Lincoln, and the USDA have documented six official droughts for Tazewell County between 1980 and 2022.

The recorded drought events ranged in length from 3.5 to 12 months. Of the four drought events with a recorded starting month, one each began in March, May, June, and August. Four of the drought events were assigned drought intensity category ratings by the USDM, with the 2005 and 2012 droughts reaching D3, extreme drought.

The State of Illinois Drought Preparedness and Response Plan identified seven additional outstanding statewide droughts since 1900 based on statewide summer values of the PDSI provided by NOAA’s National Center for Environmental Information. Those seven droughts occurred in 1902, 1915, 1931, 1934, 1936, 1954 and 1964; however, the extent to which Tazewell County was impacted was unavailable.

What locations are affected by drought?

Drought events affect the entire County. Droughts, like excessive heat and severe winter storms, tend to impact large areas, extending across an entire region and affecting multiple counties. The 2018 Illinois Natural Hazard Mitigation Plan classifies Tazewell County’s hazard rating for drought as “medium.”

What is the probability of future drought events occurring based on historical data?

Tazewell County, including the participating jurisdictions, has experienced six droughts between 1980 and 2022. With six occurrences over 43 years, the probability or likelihood that the County may experience a drought in any given year is 14.0%. However, if earlier recorded droughts are factored in, then the probability that Tazewell County may experience a drought in any given year decreases to 12.9%.

What is the probability of future drought events occurring based on modeled future conditions?

Despite precipitation trending upwards in Illinois in recent decades, drought conditions are likely to be more problematic in the future than they have been in the recent past, due to a combination of changes in precipitation patterns and an increase in summer temperatures.

In terms of predicting the likelihood of drought conditions, the amount of precipitation received is important, but even more critical is the timing of precipitation events. More frequent precipitation events maintain soil in a spongy, porous state that readily absorbs moisture; alternatively, more infrequent precipitation events tend to lead to dry, hardened earth, which is more effective at repelling water than absorbing it. When a precipitation event does occur over this drought-stricken soil, most of the water runs off and pools in bottomlands, leaving most land ‘high and dry’ while simultaneously flooding the lowest-lying areas.

Another factor making this outcome more likely is the trend of increasing temperatures in Illinois, particularly during the summer when rain events are already more sporadic. Over the past 120 years, average temperatures in Illinois have increased by 1°F and 2°F according to the Illinois State Climatologist, a trend that is likely to continue. In the future, hotter summer temperatures are likely to lead to more evaporation that will exacerbate dry conditions, causing droughts to intensify more rapidly and become more intense.

Figures SS-8 and SS-9, located in Section 3.1, and **Figures EH-5, EH-6, and EH-7**, located in Section 3.4, provide tabular and graphical projections for Tazewell County showing average annual estimates for temperature and precipitation in the early, mid, and late century, with both low and high estimates for each time period. Most likely, the true values will fall between these two estimates. According to the Climate Mapping for Resilience and Adaptation’s Assessment Tool, the number of days exceeding 90°F in Tazewell County is projected to go from 20 days to 59 to 68 days, while days exceeding 100°F are likely to increase from an average of about one a year today to 8 to 12 days by midcentury. It also forecasts that the average annual precipitation in Tazewell County is likely to increase by 1.5 to 2 inches per year, while the average number of days per year without precipitation is projected to increase by 3 to 4 days.

The Climate Explorer indicates that in Tazewell County, the average number of dry spells (a period of consecutive days without precipitation) is projected to increase by one. Extreme temperatures on the hottest days of the year are projected to increase by 7°F. This is based on the findings of the 2018 National Climate Assessment and compares projections for the middle third of the century (2035-2064) with average conditions observed from 1961-1990.

In combination, a decrease in the frequency of precipitation and a significant increase in the number of days with extreme heat in Tazewell County would create conditions that will be more likely to produce droughts than today.

HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure, and critical facilities from drought.

Are the participating jurisdictions vulnerable to drought?

Yes. All of Tazewell County, including the participating jurisdictions, is vulnerable to drought. Neither the amount nor the distribution of precipitation; soil types; topography; or water table conditions provides protection for any area within the County.

Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of drought?

No. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, none of the participating jurisdictions consider specific assets within their jurisdictions vulnerable to drought.

What impacts resulted from the recorded drought events?

Damage information was only available for one of the six drought events experienced between 1980 and 2022. According to NOAA's Storm Events Database, the 2012 drought cause an estimated \$35.9 million in damages to the corn crop in Tazewell County. Damage information was either unavailable or none was recorded for the remaining five reported occurrences.

Of the six drought events, disaster relief payment information was only available for one of the events. In 1988, landowners and farmers in Illinois were paid in excess of \$382 million in relief payments; however, a breakdown by county was unavailable.

Drought Fast Facts – Impacts/Risk

Drought Impacts

- ❖ Total Property Damage: *n/a*
- ❖ Infrastructure/Critical Facilities Damage*: *n/a*
- ❖ Total Crop Damage: **\$35.9 million (corn crop damage only – 2012 drought)**

Drought Risk/Vulnerability to:

- ❖ Public Health & Safety: **Low**
- ❖ Buildings/Infrastructure/Critical Facilities: **Low**

* Infrastructure/Critical Facilities Damage totals are included in the Total Property Damage amounts.

What other impacts can result from drought events?

Based on statewide drought records available from the Illinois State Water Survey, the most common impacts that result from drought events in Illinois include reductions in crop yields and drinking water shortages.

Crop Yield Reductions

Agriculture is an important industry in Tazewell County. Farmland accounts for approximately 74% of all the land in the County. According to the 2017 Census of Agriculture, there were 857 farms in Tazewell County occupying 304,475 acres. In comparison, there were 942 farms occupying about 80% (337,376 acres) of the total land area in the County in 2012. Of the land in farms in 2017, 93% or approximately 283,162 acres are in crop production. Due to its sandy soils and a plentiful supply of water from the Mahomet Aquifer, the farms within the County have developed extensive irrigation systems to help them grow specialty crops such as pumpkins, which Tazewell County produces more of than any county in Illinois. As a result, approximately 13% of the land in crop production is irrigated.

According to the 2017 Census of Agriculture, total crop and livestock sales accounted for \$220.4 million in revenue. This is a 16% decrease in revenue from the 2012 Census of Agriculture when total crop and livestock sales accounted for \$233.8 million. Tazewell County ranks 27th in Illinois in crop cash receipts and 33rd in Illinois for livestock cash receipts. A severe drought would have a major financial impact on the large agricultural community, particularly if it occurred during the growing season. Dry weather conditions, particularly when accompanied by excessive heat, can result in diminished crop yields and place stress on livestock.

A reduction in crop yields was seen as a result of the 1983, 1988, 2005, 2011, and 2012 droughts. **Figure DR-3** illustrates the reduction yields seen for corn and soybeans during the recorded drought events. The USDA's National Agricultural Statistics Service records show that yield reductions for corn and soybeans were most severe for the 1988 drought when there was a 50.7% reduction in corn yields and a 35.7% reduction in soybean yields.

Figure DR-3 Crop Yield Reductions Due to Drought – Tazewell County				
Year	Corn		Soybeans	
	Yield (bushel)	% Reduction Previous Year	Yield (bushel)	% Reduction Previous Year
1982	138.0	--	44.0	--
1983	85.0	38.4%	36.0	18.2%
1984	118.0	--	36.5	--
1987	138.0	--	42.5	--
1988	68.0	50.7%	27.0	35.7%
1989	125.0	--	48.5	--
2004	187.0	--	54.0	--
2005	142.0	24.1%	53.0	1.9%
2006	176.0	--	54.0	--
2010	163.4	--	58.1	--
2011	172.7	--	57.3	1.4%
2012	133.4	22.8%	51.5	10.1%
2013	177.1	--	54.6	--

Source: USDA, National Agricultural Statistics Service.

Drinking Water Shortages

Municipalities that rely on surface water sources for their drinking water supplies are more vulnerable to shortages as a result of drought. In Tazewell County, ***none of the participating municipalities rely exclusively on surface water sources*** for their drinking water supply. All of the participating municipalities obtain their water from deep sand and gravel aquifers, with the exception of Creve Coeur and several of the wells in East Peoria and Pekin. All three of Creve Coeur's wells, six of East Peoria's eleven wells, and three of Illinois American Water Company – Pekin District's eight wells are drilled into shallow unconfined aquifers. The high recharge rate found in these unconfined aquifers and the presence of other deep wells have generally helped prevent water shortages during drought.

While some of the participating municipalities are less vulnerable to drinking water shortages, a prolonged drought or a series of droughts in close succession do have the potential to impact water levels in aquifers used for individual drinking water wells in rural areas. This is because individual (private) water wells tend to be shallower than municipal (public) water wells.

What is the level of vulnerability to public health and safety from drought?

Unlike other natural hazards that affect the County, drought events do not typically cause injuries or fatalities. The primary concern centers on the financial impacts that result from loss of crop yields and livestock and potential drinking water shortages. Even taking into consideration the

potential impacts that a water shortage may have on the general public, the risk or vulnerability to public health and safety from drought is **low**.

Are existing buildings, infrastructure, and critical facilities vulnerable to drought?

No. In general, existing buildings, infrastructure and critical facilities located in Tazewell County and the participating jurisdictions are not vulnerable to drought. The primary concern centers on the financial impacts that result from loss of crop yields and livestock.

While buildings do not typically sustain damage from drought events, in rare cases infrastructure and critical facilities may be directly or indirectly impacted. While uncommon, droughts can contribute to roadway damage. Severe soil shrinkage can compromise the foundation of a roadway and lead to cracking and buckling.

Prolonged heat associated with drought can also increase the demand for energy to operate air conditioners, fans, and other devices. This increase in demand places stress on the electrical grid, which increases the likelihood of power outages.

Additionally, droughts have impacted drinking water supplies. Reductions in aquifer water levels can cause water shortages that jeopardize the supply of water needed to provide drinking water and fight fires. While water use restrictions can be enacted in an effort to maintain a sufficient supply of water, they are only temporary and do not address long-term viability issues. Drinking water supplies vulnerable to drought, such as those that rely solely on surface water or shallow wells, need to consider mitigation measures that will provide long-term stability before a severe drought, or a series of droughts occur. Effective mitigation measures include drilling additional wells, preferably deep wells, securing agreements with alternative water sources and constructing water lines to provide a backup water supply.

In general, the risk or vulnerability to buildings, infrastructure and critical facilities from drought is **low**, even taking into consideration the potential impact a drought may have on drinking water supplies and the stress that prolonged heat may place on the electrical grid.

Are future buildings, infrastructure, and critical facilities vulnerable to drought?

No. Future buildings, infrastructure and critical facilities within the County are no more vulnerable to drought than the existing building, infrastructure, and critical facilities. As discussed above, buildings do not typically sustain damage from drought. Infrastructure and critical facilities may, in rare cases, be damaged by drought, but very little can be done to prevent this damage.

What are the potential dollar losses to vulnerable structures from drought?

Unlike other natural hazards there are no standard loss estimation models or methodologies for drought. Since drought typically does not cause structure damage, it is unlikely that future dollar losses will be excessive. The primary concern associated with drought is the financial impacts that result from loss of crop yields and the potential impacts to drinking water supplies. Since a large part of the County is involved in farming activities, it is likely that there will be future dollar losses to drought. In addition, reduced water levels and the water conservation measures that typically accompany a drought will most likely impact consumers as well as businesses and industries that are water-dependent (i.e., car washes, landscapers, etc.).

3.8 LANDSLIDES

HAZARD IDENTIFICATION

What is the definition of a slope?

A slope generally refers to any natural or artificial incline of the earth's surface.

What is the definition of a landslide?

A landslide or slope failure is the mass downward and outward movement of slope-forming materials such as rock, soil, artificial fill, organic matter, debris or a combination of these that occurs under the force of gravity. Depending on the type of landslide, it can move rapidly damaging roads and homes or develop slowly causing gradual damage that may occur over months and even years.

How are landslides classified?

Landslides are classified by 1) the type of slope movement and 2) the slope material involved and include rock falls, rockslides, debris flows, mudflows, debris avalanches, earth flows and debris slides.

Slope Movement

Slope movements include falls, topples, slides, spreads and flows. A combination of two or more of the main types of slope movement is referred to as a "complex movement". The following provides a brief description of each.

- ❖ **Falls** occur when masses of rock or other material become detached from steep slopes or cliffs and descend by free-falling, bouncing or rolling.
- ❖ **Topples** consist of forward rotation of rocks or other material about a pivot point on a slope. Toppling can be driven by gravity or by fluids (water or ice) in cracks.
- ❖ **Slides** involve the downslope movement of rock or other material along one or more distinct zones of weakness that separate the slide material from more stable underlying material. The two major types of slides are rotational and transitional.
- ❖ **Spreads** usually occur on very gentle slopes or essentially flat terrain where a stronger upper layer of rock or soil moves above an underlying softer, weaker layer. In some cases, the stronger upper layer will subside into the weaker underlying layer. The failure is caused by liquefaction and usually triggered by rapid ground motion, such as that experienced during an earthquake.
- ❖ **Flows** are distinguished from slides by high water content and have a velocity resembles that of a viscous liquid. There are five basic categories of flows: debris flow, debris avalanche, earthflow, mudflow and creep.

Slope Material

The slope material in a landslide is either rock, soil or both. Soil is further classified as "debris" if it is composed of predominantly coarse fragments or "earth" if it is composed of sand-sized or finer particles.

What causes a landslide?

Landslides can have multiple causes, both natural and man-made. In terms of natural factors, topography, geology and precipitation play an important role in the formation of landslides. Frequently landslides occur when soil is saturated from heavy rain or snowmelt. Landslides can also be initiated in slopes already on the verge of movement by changes in water levels, stream erosion, bedrock fracturing, freeze-thaw cycles, tree root growth, changes in ground water, earthquakes and volcanic activity.

Man-made factors that can contribute to landslides include mining operations, excavation of a slope or its toe for building purposes, loading of a slope or its crest related to construction activities, deforestation, artificial vibrations, irrigation and water leakage from utilities. Individuals seeking unique views of rivers, valleys and lakes can also contribute to landslides by building on land that might have been better left to agriculture, open-space or other uses than for dwellings. The construction of homes on slopes that overwhelm the underlying support material have resulted in landslides. This activity is also referred to as overloading the top of the slope. This type of problem involving residential construction has occurred in Lake County along Lake Michigan and in LaSalle County along the Illinois River.

Where do landslides occur?

Landslides typically start on steep hillsides (slopes) and are primarily associated with mountainous regions, although they can also occur in areas of generally low relief. In low-relief areas, landslides occur in cut-and-fill area associated with roadways and building excavations, along river bluffs, and at quarries and open-pit mines.

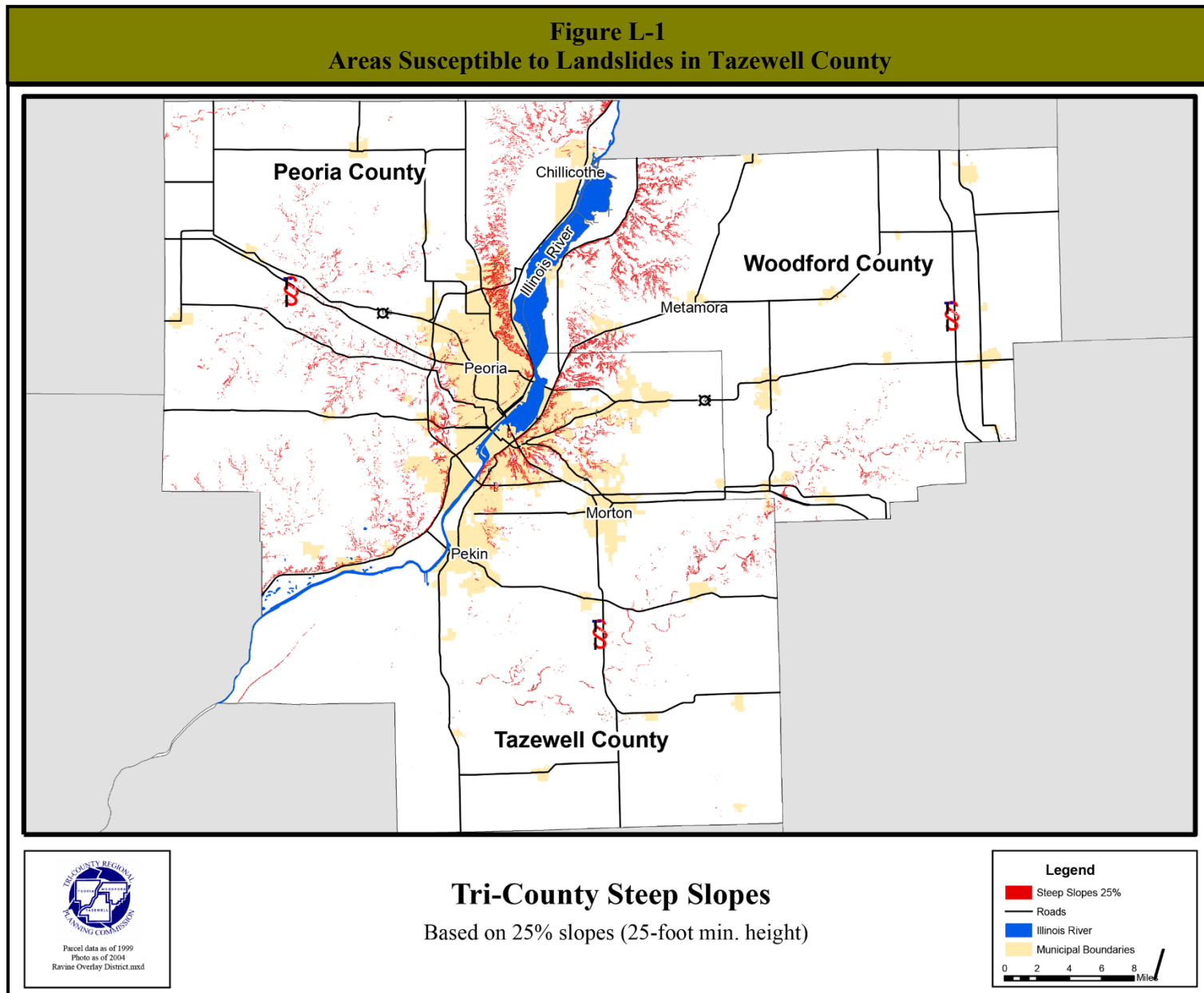
Landslides occur in all 50 states, including Illinois. In Illinois, landslides primarily occur in areas adjacent to major rivers and lakes where there are bluffs, hills and valleys. Areas most vulnerable to landslides include the upper Mississippi River, the lower Mississippi River, the middle portion of the Illinois River (roughly covering the area from LaSalle County to Mason County), and the bluff areas along Lake Michigan.

HAZARD PROFILE

The following details the location of steep slope areas (slopes 25% and steeper), identifies past occurrences of landslides, details the severity or extent of future potential failures (if known); identifies the locations potentially affected and estimates the likelihood of future occurrences.

Are there any areas in the County susceptible to landslides?

Yes. According to the *Ravine Overlay District Ordinance Report Summary* prepared by the Tri-County Regional Planning Commission in 2005, there are steep slope areas (slopes of 25% or greater) located in Tazewell County. These areas are primarily associated with the Illinois and Mackinaw Rivers and their tributaries. **Figure L-1** illustrates the location of these steep slope areas.



When have landslides occurred previously? What is the extent of these previous landslides?

No comprehensive, publicly-accessible database detailing landslide occurrences currently exists in Illinois. A review of the Illinois State Geologic Survey's 1985 *Landslide Inventory of Illinois*, NASA's

Landslide Fast Facts – Occurrences

Number of Landslide Events Reported: **1**

Probability of Future Landslide Events: **Low**

Global Landslide Catalog, local newspaper articles and discussions with Committee members documented four landslide events in Tazewell County. All of the events occurred during the spring. The following provides a brief description of each event. There have almost certainly been additional landslides that were either not reported or were not identified as part of the data review.

- ❖ On May 11, 1995 a mudslide crashed into The Meadows apartment complex in East Peoria. The complex is located at the foot of a steep cliff that was topped by a construction site. Residents reported hearing a loud boom about 5:30 a.m. and waking to find their apartments torn apart. Three apartments were heavily damaged with one engulfed in mud. The mudslide also cut the power and gas lines to the building.
 - ❖ On April 18, 2013 a landslide caused by heavy rain resulted in the immediate evacuation of four houses in the Pinecrest Hills subdivision of East Peoria. An additional three houses were later evacuated, and all of the houses were deemed too dangerous to be inhabited. The backyards of some of the houses slid to the bottom of a steep ravine behind the properties, leaving the structures teetering on the edge of a steep and potentially compromised hillside. The houses were demolished in 2017 and the area graded and fenced.
- During the same heavy rain event a mudslide was reported along the western bluffs of the Illinois River in East Peoria, damaging a gas station and covering US Route 150 with several inches of mud.
- ❖ Sometime during the spring of 2018, a landslide occurred in an inaccessible ravine in East Peoria damaging a sewer trunk line and causing a sewage leak. The damage was not discovered until mid-summer.

What locations are affected by landslides? What is the extent of future potential landslides?

The topography and geologic materials within the State greatly limit the locations where landslides can occur. In Tazewell County, the bluffs of the Illinois River floodplain located along the western edge of the County from Pekin northward to the Tazewell/Woodford County line and areas surrounding the Mackinaw River floodplain in the central and eastern parts of the County are the most likely locations affected by landslides.

Figure L-1 illustrates the steep slope areas in Tazewell County based on the *Ravine Overlay District Ordinance Report Summary* prepared by the Tri-County Regional Planning Commission. The western portion of the County has areas of steep slope.

What is the probability of future landslide events occurring based on historical data?

Given the limited amount of data available, it is difficult to specifically establish the probability of a future landslide. However, Tazewell County has experienced four verified landslides between 1995 and 2022. With four occurrences over the past 28 years, the probability or likelihood that

Tazewell County may experience a landslide event in any given year is 14%. There are almost certainly gaps in the landslide data that distort this probability. If factors such as topography, development within steep slope areas, soil stability, and weather events are taken into consideration then the probability is estimated to be **medium** for the western portions of the County, including Creve Coeur, East Peoria, Morton, Pekin, and Washington, and **low** for Tremont and the remainder of unincorporated Tazewell County. For the purposes of this analysis “medium” is defined as have at least a 50% chance of occurring in any given year while “low” is defined as having less than a 10% chance of occurring in any given year.

What is the probability of future landslide events occurring based on modeled future conditions?

Landslides are caused by a combination of several factors, but perhaps the most significant trigger of landslides is heavy rain events. In the last 120 years, total annual precipitation in Illinois has increased by between 12% to 15% across the State. This means, according to the Illinois State Climatologist, that we get about an additional 5 inches of yearly rainfall compared to what was expected historically.

This trend is likely to continue, and as a result, precipitation in Illinois is forecasted to increase in coming decades. In addition to changes in the overall amount of precipitation, changes in precipitation patterns indicate that future events will likely be less frequent, but larger and more severe. The Illinois State Climatologist indicates that since the beginning of the 20th Century, Illinois has seen a 40% increase in the number of days with extreme precipitation events (rainfall of 2 inches or greater) per year.

Figures SS-8 and SS-9, located in Section 3.1, provide tabular and graphical projections for Tazewell County, showing estimations for average annual precipitation in the early, mid, and late 21st century with both low and high estimates for each time period. Most likely, the true value will fall between these two estimates. By midcentury, the average annual precipitation in Tazewell County is projected to increase by 1.5 to 2 inches per year, while the average number of days with precipitation per year is projected to decrease by 3 to 4 days according to the Climate Mapping for Resilience and Adaptation’s Assessment Tool.

The Climate Explorer indicates that in Tazewell County the annual counts of intense rainstorms (rainfall of 2 inches or greater in one day) are not projected to increase. This is based on the findings of the 2018 National Climate Assessment and compares projections for the middle third of the century (2035-2064) with average conditions observed from 1961-1990.

Taken together, the projected increase in annual rainfall, the decrease in frequency of rain events, and the negligible threat of intense rain events in Tazewell County means that the likelihood of landslides may be slightly higher than it is today, though there are no studies in the U.S. yet to prove this connection. Even so, preparing for the future with an awareness that the probability of landslides could potentially increase is valuable in planning ahead. The analysis of this trend should be revisited in subsequent planning efforts as more data becomes available.

HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure and critical facilities from landslides.

Are the participating jurisdictions vulnerable to landslides?

Yes. Portions of Creve Coeur, East Peoria, East Peoria CHSD #309, Morton, Pekin, Peking Park District, Washington, and unincorporated Tazewell County are vulnerable to the dangers presented by landslides. None of the other participating jurisdictions or the remainder of the County are considered vulnerable.

Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of landslides?

No. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, East Peoria considers specific assets within its jurisdiction vulnerable to landslides. The City includes bluff areas along the Illinois River that have steep slopes which are vulnerable to landslides. These landslides have the potential to impact critical infrastructure and systems, including roads and sanitary sewer lines.

What impacts resulted from the recorded landslide events?

Damage information was only available for one of the four events experienced between 1995 and 2022. According to the East Peoria Director of Public Works, the repairs to the sewer truck line damaged in the 2018 landslide cost an estimated \$14,422. Damage information was either unavailable or none was recorded for the remaining three events.

While damage information was unavailable for the 2013 landslide events, news articles reported that the seven houses demolished as a result of the landslide in the Pinecrest Hills subdivision ranged in value from \$160,000 to \$212,000.

Newspaper articles documented one fatality as a result of the 1995 mudslide. A 34-year old woman was buried under four feet of mud and debris in her apartment. No other injuries or fatalities were reported.

In comparison, the United States averages an estimated \$3.5 billion in property damage losses and between 25 and 50 fatalities annually due to landslides according to the United States Geological Survey.

Landslides Fast Facts – Impacts/Risk

Landslides Impacts:

- ❖ Total Property Damage (1 event): **\$14,442**
- ❖ Fatalities (1 event): **1**
- ❖ Injuries: **n/a**

Landslide Risk/Vulnerability:

- ❖ Public Health & Safety –Steep Slope Areas: **Low to Medium**
- ❖ Public Health & Safety – Non-Steep Slope Areas: **Low**
- ❖ Buildings/Infrastructure/Critical Facilities –Steep Slope Areas: **Medium**
- ❖ Buildings/Infrastructure/Critical Facilities – Non-Steep Slope Areas: **Low**

What other impacts can result from landslides?

Landslides have the potential to impact not only human life and public safety, but they also have the potential to damage or destroy buildings and infrastructure. Depending on the type of landslide, there may be little if any warning an event is about to occur. Individuals caught in a landslide, especially motorists, face potential injury or loss of life.

Property owners seeking views of valleys, rivers and lakes have built in vulnerable locations and experienced damage as the slope they built on slumps, impacting their foundation and potentially carrying away their home. Buildings downslope from a landslide face the threat of structural damage, if not complete destruction. In addition to structural damage, a landslide can also cause serious damage to a building's content.

Infrastructure is also vulnerable to landslides. Electrical, water, gas and sewer lines can be weakened or broken during an event resulting in disruptions to vital services. A major concern associated with landslides is damage sustained to transportation systems, both highway and rail. At the very least, landslides can disrupt the flow of traffic, resulting in delays and adverse travel until the material is removed. These disruptions have the potential to impact emergency services (ambulance, fire and police) along with school bus routes and business traffic. Road and rail beds can be weakened or completely undermined by landslides which can lead to the indefinite closure of those facilities while repairs are made.

In addition to impacting the human environment, landslides can affect the natural environment. The material carried along by landslides can fill drainage ditches, streams and creeks causing drainage and flooding problems. The force of a landslide can cave in stream banks, uproot trees and shrubs and negatively impact wildlife.

What is the level of vulnerability to public health and safety from landslides?

For Pike County, the risk or vulnerability posed by landslides to public health and safety is considered to be **low** to **medium** for steep slope areas as described previously and **low** for all other areas of the County. This assessment is based on the fact that most landslides that occur in Illinois are not life-threatening nor are they considered to be severe in comparison to landslides that occur in other parts of the country. In addition, the number of injuries and fatalities recorded is low.

Are existing buildings, infrastructure and critical facilities vulnerable to landslides?

Yes. Buildings, infrastructure and critical facilities located within steep slope areas are vulnerable to landslides. Currently only East Peoria has a steep slope ordinance in place that will likely lessen the vulnerability of existing buildings, infrastructure, and critical facilities built since it was enacted in 2006. None of the other participating jurisdictions have specific regulations for building practices within steep slope areas in place. This means existing buildings as well as buildings in steep slope areas may be more vulnerable to landslides.

In addition to impacting structures, landslides primarily damage roads, bridges and utilities. Roadways, culverts and bridges can be damaged by landslides and even destroyed if the landslide occurs directly next of them. Water, sewer, gas, power and communication lines, both above and below ground, are also vulnerable to landslides. Depending on the location of the landslide, water, sewer, gas and power lines can experience ruptures causing major disruptions to vital services.

As with public health and safety, the risk or vulnerability to buildings, infrastructure and critical facilities is dependent on several factors including the extent of the development and infrastructure in the vicinity of the steep slopes, soil stability and weather conditions. When these factors are taken into consideration, the overall risk posed by landslides to vulnerability to buildings, infrastructure and critical facilities in Tazewell County is considered to be **low** to **medium** for steep slope areas and **low** for all other areas in the County.

Are future buildings, infrastructure and critical facilities vulnerable to landslides?

Yes and No. While East Peoria has had a steep slope ordinance in place since 2006, none of the other participating jurisdictions have specific regulations for building practices within steep slope areas in place that would likely lessen the vulnerability of new buildings, critical facilities, and infrastructure to damage from landslides. As a result, any future buildings and critical facilities built on steep slope areas in these jurisdictions will face the same vulnerabilities as those of existing buildings, infrastructure and critical facilities described previously. In addition, infrastructure such as roadway and communication, power and sewer lines built in steep slope areas will also continue to be vulnerable as long as specific building regulations are not enacted.

What are the potential dollar losses to vulnerable structures from landslides?

Unlike other hazards, there are no standard loss estimation models or methodologies for landslides. Given the lack of recorded events and unpredictability of landslides, sufficient information was not available to prepare a reasonable estimate of future potential dollar losses to vulnerable structures. However, those buildings, infrastructure and critical facilities located near steep slope areas have the potential to experience future dollar losses from landslides.

3.9 EARTHQUAKES

HAZARD IDENTIFICATION

What is the definition of an earthquake?

An earthquake is a sudden shaking of the ground caused when rocks forming the earth's crust slip or move past each other along a fault (a fracture in the rocks). Most earthquakes occur along the boundaries of the earth's tectonic plates. These slow-moving plates are being pulled and dragged in different directions, sliding over, under and past each other. Occasionally, as the plates move past each other, their jagged edges will catch or stick causing a gradual buildup of pressure (energy).

Eventually, the force exerted by the moving plates overcomes the resistance at the edges and the plates snap into a new position. This abrupt shift releases the pent-up energy, producing vibrations or seismic waves that travel outward from the earthquake's point of origin. The location below the earth's surface where the earthquake starts is known as the hypocenter or focus. The point on the earth's surface directly above the focus is the epicenter.

The destruction caused by an earthquake may range from light to catastrophic depending on a number of factors including the magnitude of the earthquake, the distance from the epicenter, the local geologic conditions as well as construction standards and time of day (i.e., rush hour). Earthquake damage may include power outages, general property damage, road, and bridge failure, collapsed buildings and utility damage (ruptured gas lines, broken water mains, etc.).

Most of the damage done by an earthquake is caused by its secondary or indirect effects. These secondary effects result from the seismic waves released by the earthquake and include ground shaking, surface faulting, liquefaction, landslides and, in rare cases, tsunamis.

According to the U.S. Geological Survey, more than 143 million Americans in the contiguous U.S. are exposed to potentially damaging ground shaking from earthquakes. More than 44 million of those Americans, located in 18 states, are exposed to very strong ground shaking from earthquakes. Illinois ranks 10th in terms of the number of individuals exposed to very strong ground shaking. The Federal Emergency Management Agency's Hazus analysis indicates that the annualized earthquake losses to the national building stock is \$6.1 billion per year. A majority of the average annual loss is concentrated in California (\$3.7 billion). The central U.S. (including Illinois) ranks third in annualized earthquake losses at \$480 billion, behind the Pacific Northwest (Washington and Oregon) with annualized earthquake losses at \$710 billion.

What is a fault?

A fault is a fracture or zone of fractures in the earth's crust between two blocks of rock. They may range in length from a few millimeters to thousands of kilometers. Many faults form along tectonic plate boundaries. Faults are classified based on the angle of the fault with respect to the surface (known as the dip) and the direction of slip or movement along the fault. There are three main groups of faults: normal, reverse (thrust) and strike-slip (lateral).

Normal faults occur in response to pulling or tension along the two blocks of rock causing the overlying block to move down the dip of the fault plane. Most of the faults in Illinois are normal faults. Reverse or thrust faults occur in response to squeezing or compression of the two blocks of rock causing the overlying block to move up the dip of the fault plane. Strike-slip or lateral faults can occur in response to either pulling/tension or squeezing/compression causing the blocks to move horizontally past each other.

Geologists have found that earthquakes tend to recur along faults, which reflect zones of weakness in the earth's crust. Even if a fault zone has recently experienced an earthquake, there is no guarantee that all the stress has been relieved. Another earthquake could still occur.

What are tectonic plates?

Tectonic plates are large, irregularly-shaped, relatively rigid sections of the earth's crust that float on the top, fluid layer of the earth's mantle. There are about a dozen tectonic plates that make up the surface of the planet. These plates are approximately 50 to 60 miles thick and the largest are millions of square miles in size.

How are earthquakes measured?

The severity of an earthquake is measured in terms of its magnitude and intensity. A brief description of both terms and the scales used to measure each are provided below.

Magnitude

Magnitude refers to the amount of seismic energy released at the hypocenter of an earthquake. The magnitude of an earthquake is determined from measurements of ground vibrations recorded by seismographs. As a result, magnitude is represented as a single, instrumentally determined value. A loose network of seismographs has been installed all over the world to help record and verify earthquake events.

There are several scales that measure the magnitude of an earthquake. The most well-known is the Richter Scale. This logarithmic scale provides a numeric representation of the magnitude of an earthquake through the use of whole numbers and decimal fractions. Because of the logarithmic basis of the scale, each whole number increase in magnitude represents a tenfold increase in ground vibrations measured. In addition, each whole number increase corresponds to the release of about 31 times more energy than the amount associated with the preceding whole number. It is important to note that the Richter Scale is used only to determine the magnitude of an earthquake, it does not assess the damage that results.

Once an earthquake's magnitude has been confirmed, it can be classified. **Figure EQ-1** categorizes earthquakes by class based on their magnitude (i.e., Richter Scale value). Any earthquake with a magnitude less than 3.0 on the Richter Scale is classified as a micro earthquake while any earthquake with a magnitude of 8.0 or greater on the Richter Scale is considered a "great" earthquake. Earthquakes with a magnitude of 2.0 or less are not commonly felt by individuals. The largest earthquake to occur in the U.S. since 1900 took place off the coast of Alaska in Prince William Sound on March 28, 1964 and registered a 9.2 on the Richter Scale.

Intensity

Intensity refers to the effect an earthquake has on a particular location. The intensity of an earthquake is determined from observations made of the damage inflicted on individuals, structures, and the environment. As a result, intensity does not have a mathematical basis; instead, it is an arbitrary ranking of observed effects. In addition, intensity generally diminishes with distance. There may be multiple intensity recordings for a region depending on a location's distance from the epicenter.

Figure EQ-1 Earthquake Magnitude Classes	
Class	Magnitude (Richter Scale)
micro	smaller than 3.0
minor	3.0 – 3.9
light	4.0 – 4.9
moderate	5.0 – 5.9
strong	6.0 – 6.9
major	7.0 – 7.9
great	8.0 or larger

Source: Michigan Technological University, UPSeis

Although numerous intensity scales have been developed over the years, the one currently used in the U.S. is the Modified Mercalli Intensity Scale. This scale, composed of 12 increasing levels of intensity that range from imperceptible shaking to catastrophic destruction, is designated by Roman numerals. The lower numbers of the intensity scale are based on human observations (i.e., felt only by a few people at rest, felt quite noticeably by persons indoors, etc.).

The higher numbers of the scale are based on observed structural damage (i.e., broken windows, general damage to foundations etc.). Structural engineers usually contribute information when assigning intensity values of VIII or greater. **Figure EQ-2** provides a description of the damages associated with each level of intensity as well as comparing Richter Scales values to Modified Mercalli Intensity Scale values.

Generally, the Modified Mercalli Intensity value assigned to a specific site after an earthquake is a more meaningful measure of severity to the general public than magnitude because intensity refers to the effects actually experienced at that location.

When and where do earthquakes occur?

Earthquakes can strike any location at any time. However, history has shown that most earthquakes occur in the same general areas year after year, principally in three large zones around the globe. The world's greatest earthquake belt, the circum-Pacific seismic belt (nicknamed the "Ring of Fire"), is found along the rim of the Pacific Ocean, where about 81 percent of the world's largest earthquakes occur.

The second prominent belt is the Alpide, which extends from Java to Sumatra and through the Himalayan Mountains, the Mediterranean Sea and out into the Atlantic Ocean. It accounts for about 17 percent of the world's largest earthquakes, including those in Iran, Turkey, and Pakistan. The third belt follows the submerged mid-Atlantic Ridge, the longest mountain range in the world, nearly splitting the entire Atlantic Ocean north to south.

While most earthquakes occur along plate boundaries some are known to occur within the interior of a plate. (As the plates continue to move and plate boundaries change over time, weakened boundary regions become part of the interiors of the plates.) Earthquakes can occur along zones

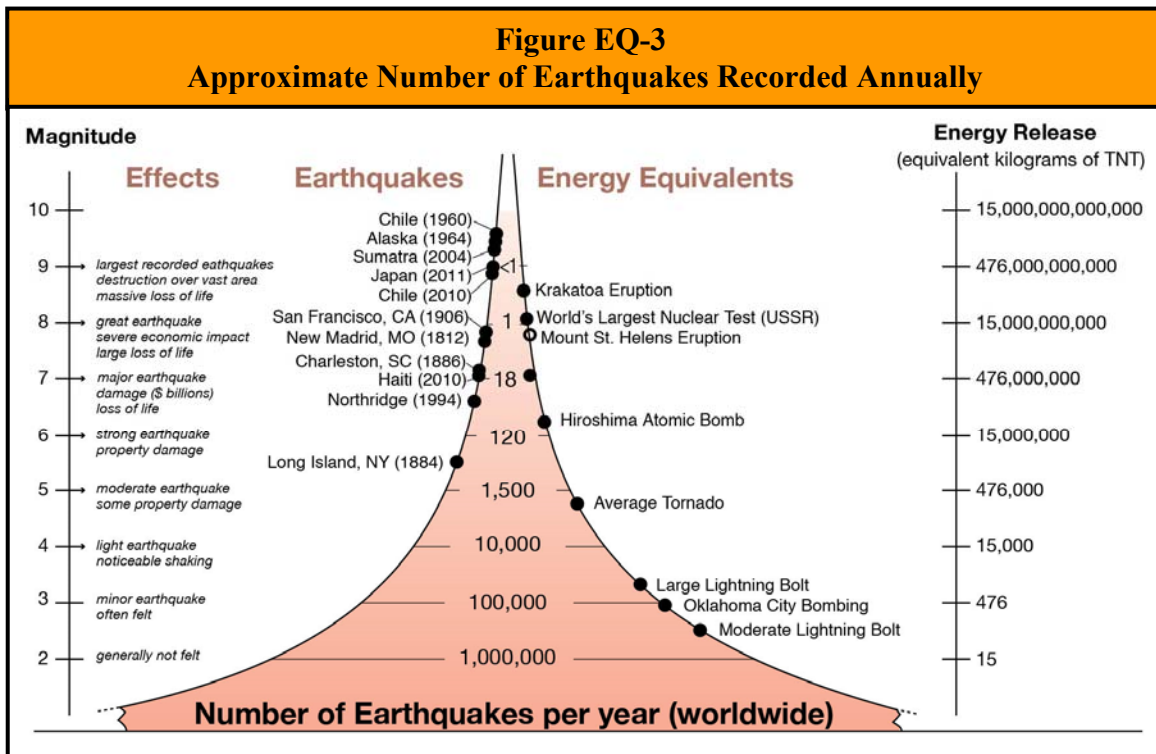
of weakness within a plate in response to stresses that originate at the edges of the plate or from deep within the earth's crust. The New Madrid earthquakes of 1811 and 1812 occurred within the North American plate.

Figure EQ-2 Comparison of Richter Scale and Modified Mercalli Intensity Scale		
Richter Scale	Modified Mercalli Scale	Observations
1.0 – 1.9	I	Felt by very few people; barely noticeable. No damage.
2.0 – 2.9	II	Felt by a few people, especially on the upper floors of buildings. No damage.
3.0 – 3.9	III	Noticeable indoors, especially on the upper floors of buildings, but may not be recognized as an earthquake. Standing cars may rock slightly; vibrations similar to the passing of a truck. No damage.
4.0	IV	Felt by many indoors and a few outdoors. Dishes, windows, and doors disturbed. Standing cars rocked noticeably. No damage.
4.1 – 4.9	V	Felt by nearly everyone. Small, unstable objects displaced or upset; some dishes and glassware broken. Negligible damage.
5.0 – 5.9	VI	Felt by everyone. Difficult to stand. Some heavy furniture moved. Weak plaster may fall and some masonry, such as chimneys, may be slightly damaged. Slight damage.
6.0	VII	Slight to moderate damage to well-built ordinary structures. Considerable damage to poorly-built structures. Some chimneys may break. Some walls may fall.
6.1 – 6.9	VIII	Considerable damage to ordinary buildings. Severe damage to poorly built buildings. Some walls collapse. Chimneys, monuments, factory stacks, columns fall.
7.0	IX	Severe structural damage in substantial buildings, with partial collapses. Buildings shifted off foundations. Ground cracks noticeable.
7.1 – 7.9	X	Most masonry and frame structures and their foundations destroyed. Some well-built wooden structures destroyed. Train tracks bent. Ground badly cracked. Landslides.
8.0	XI	Few, if any structures remain standing. Bridges destroyed. Wide cracks in ground. Train tracks bent greatly. Wholesale destruction.
> 8.0	XII	Total damage. Lines of sight and level are distorted. Waves seen on the ground. Objects thrown up into the air.

Sources: Michigan Technological University, Department of Geological and Mining Engineering and Sciences, UPSeis.
U.S. Geological Survey.

How often do earthquakes occur?

Earthquakes occur every day. Magnitude 2 and smaller earthquakes occur several hundred times a day worldwide. These earthquakes are known as micro earthquakes and are generally not felt by humans. Major earthquakes, greater than magnitude 7, generally occur at least once a month. **Figure EQ-3** illustrates the approximate number of earthquakes that occur worldwide per year based on magnitude. This figure also identifies manmade and natural events that release approximately the same amount of energy for comparison.



Source: Incorporated Research Institutions for Seismology, Education and Outreach Series, "How Often Do Earthquakes Occur?"

HAZARD PROFILE

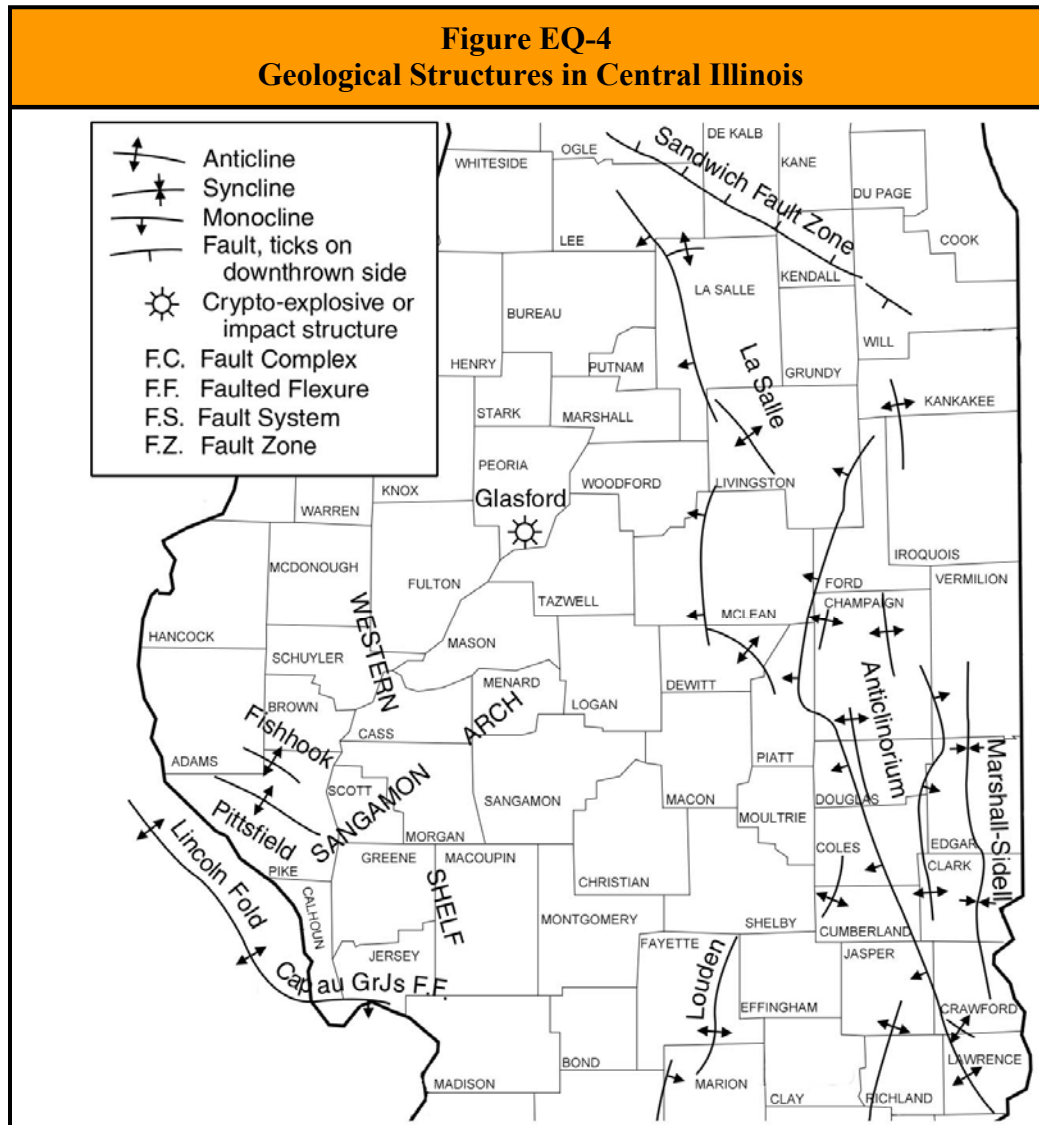
The following details the location of known fault zones and geologic structures, identifies past occurrences of earthquakes, details the severity or extent of each event (if known); identifies the locations potentially affected and estimates the likelihood of future occurrences.

Are there any faults located within the County?

No, there are no known faults or geologic structures located in Tazewell County. However, there is one geological structure, the La Salle Anticlinorium, located in the immediate region. The La Salle Anticlinorium is more than 200 miles long and stretches from Lee County in northern Illinois to Lawrence County in southeastern Illinois. It is composed of a group or zone of closely related anticlines, domes, monoclines and synclines, several of which are individually named. **Figure EQ-4** illustrates the location of this geologic structure.

Earthquake Fast Facts – Occurrences

Earthquakes Originating in the County (1795 – 2022): **None**
 Fault Zones Located within the County: **None**
 Geological Structures Located within the County: **None**
 Earthquakes Originating in Adjacent Counties (1795-2022): **5**
 Fault Zones Located in Nearby Counties: **None**
 Geologic Structures Located in Adjacent Counties: **1**



Source: Illinois State Geological Survey.

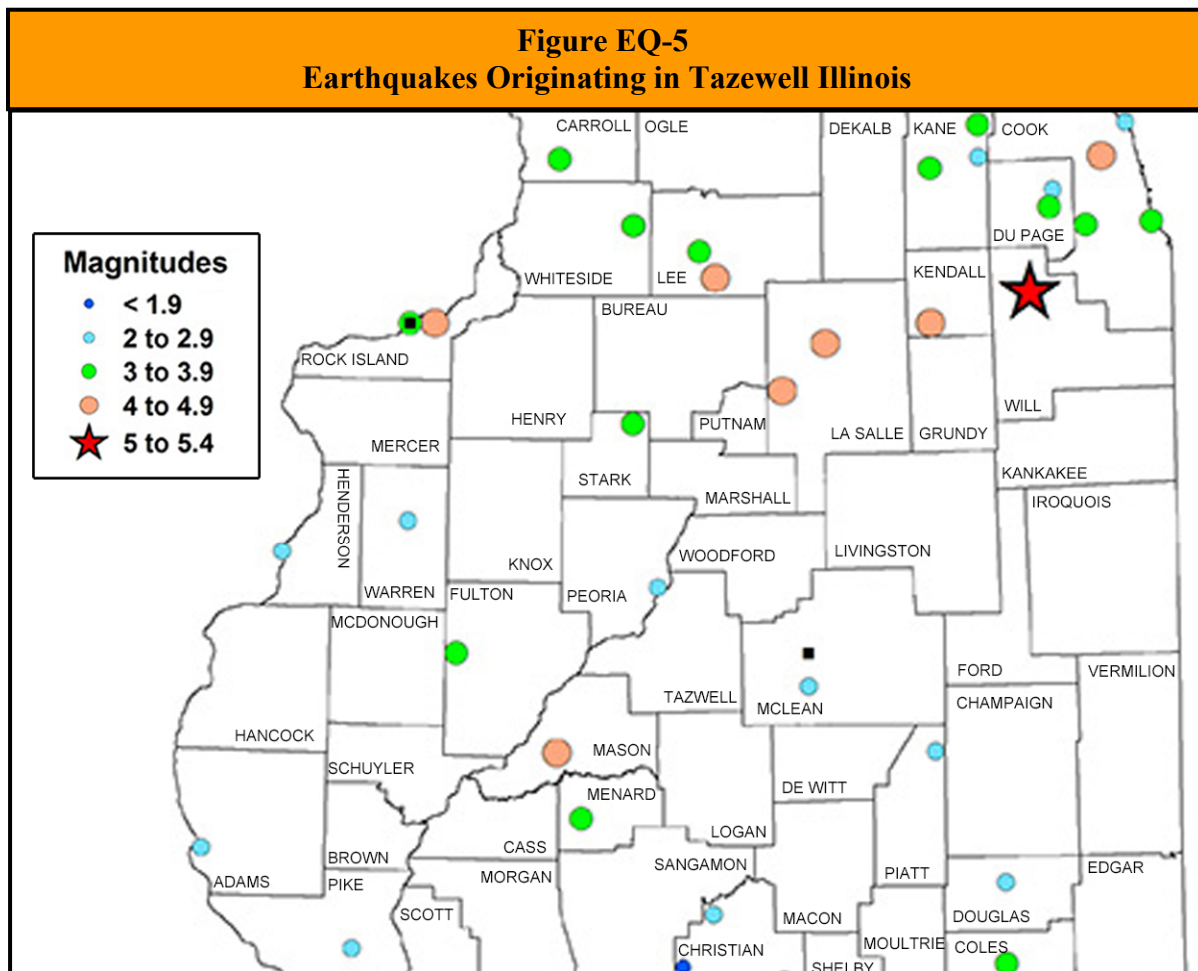
When have earthquakes occurred previously? What is the extent of these previous quakes?

According to the Illinois State Geological Survey, the U.S. Geological Survey, and Center for Earthquake Research and Information (CERI) at the University of Memphis, no earthquakes have originated in Tazewell County during the last 200 years. While no earthquakes have originated in the County, residents have felt ground shaking caused by earthquakes that have originated outside of the County. The following provides a brief description, by region, of these events while **Figure EQ-5** illustrates the epicenters of nearby earthquakes.

Central Illinois

Five earthquakes have originated in nearby Peoria, McLean, Mason and Fulton Counties. The following provides a brief description of each.

- On March 13, 1956 an earthquake with an estimated magnitude of 3.7 originated just west of Marietta in Fulton County. This earthquake had an estimated intensity of IV on the Modified Mercalli Intensity Scale.
- An earthquake originated in downtown Peoria in Peoria County on June 29, 1937 with an estimated magnitude between 2.0 and 2.9. This earthquake had an estimated intensity of II on the Modified Mercalli Intensity Scale.
- On July 19, 1909 an earthquake with an estimated magnitude of 4.5 originated in Mason County approximately 3 miles north-northwest of Kilbourne. This earthquake had an estimated intensity of VII on the Modified Mercalli Intensity Scale.
- An estimated magnitude 3.4 earthquake originated approximately four miles south of Bloomington in unincorporated McLean County on December 27, 1885. This earthquake had an estimated intensity of III on the Modified Mercalli Intensity Scale.
- On February 4, 1883 an earthquake of undetermined magnitude originated at Normal in McLean County. This earthquake had an estimated intensity of III on the Modified Mercalli Intensity Scale.



Source: Illinois State Geological Survey.

Northern Illinois

In addition to the above referenced event, there have been approximately two dozen other earthquakes that have occurred in northern Illinois in the last century, though none of them were greater than a magnitude 5.1. These earthquakes generally caused minor damage within 10 to 20 miles of the epicenter and were felt over several counties. Earthquakes greater than a magnitude 5 are generally not expected in this region. The following highlights a few of the recent earthquakes that have taken place in northern Illinois.

- ❖ On March 25, 2015 a magnitude 2.9 earthquake took place at Lake in the Hills in McHenry County. This earthquake was felt over several counties. Damage information was unavailable for this event.
- ❖ A magnitude 3.2 earthquake took place on November 4, 2013 on the east side of McCook in Cook County. This earthquake was felt mainly in the Chicago metro area. Damage information was unavailable for this event.
- ❖ On February 10, 2010 a magnitude 3.8 earthquake took place approximately two miles northeast of Virgil in Kane County. This earthquake was felt over much of Illinois, Indiana and central and southern Wisconsin. Some minor structural damage was reported.

Southern Illinois

In addition to the above referenced events, Tazewell County residents also felt ground shaking caused by several earthquakes that have originated in southern Illinois. The following provides a brief description of a few of the larger events that have occurred.

- ❖ On April 18, 2008, a magnitude 5.2 earthquake was reported in southeastern Illinois near Bellmont in Wabash County. The earthquake was located along the Wabash Valley seismic zone. Minor structural damage was reported in several towns in Illinois and Kentucky. Ground shaking was felt over all or parts of 18 states in the central U.S. and southern Ontario, Canada.
- ❖ A magnitude 5.2 earthquake took place on June 10, 1987, in southeastern Illinois near Olney in Richland County. This earthquake was also located along the Wabash Valley seismic zone. Only minor structural damage was reported in several towns in Illinois and Indiana. Ground shaking was felt over all or parts of 17 states in the central and eastern U.S. and southern Ontario, Canada.
- ❖ The strongest earthquake in the central U.S. during the 20th century occurred along the Wabash Valley seismic zone in southeastern Illinois near Dale in Hamilton County. This magnitude 5.4 earthquake occurred on November 9, 1968, with an intensity estimated at VII for the area surrounding the epicenter. Moderate structural damage was reported in several towns in south-central Illinois, southwest Indiana, and northwest Kentucky. Ground shaking was felt over all or parts of 23 states in the central and eastern U.S. and southern Ontario, Canada.

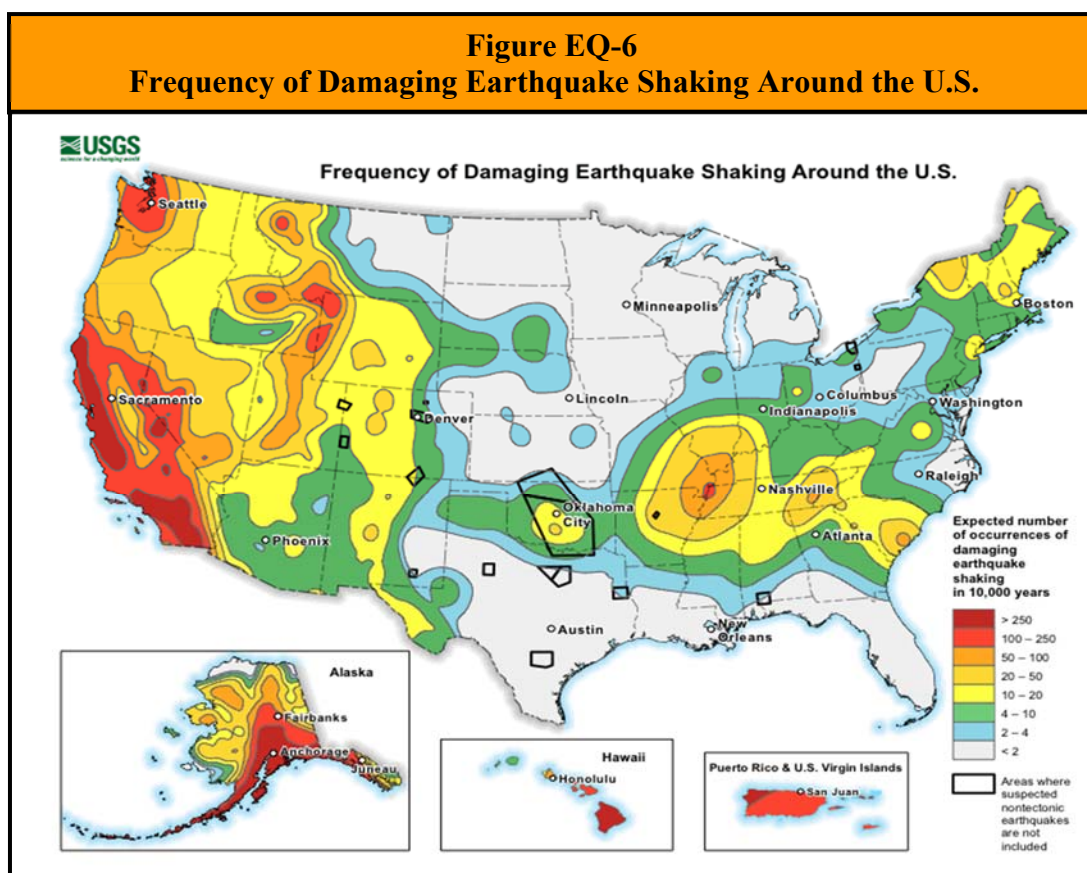
Three of the ten largest earthquakes ever recorded within the continental U.S. took place in 1811 and 1812 along the New Madrid seismic zone. This zone lies within the central Mississippi Valley and extends from northeast Arkansas through southeast Missouri, western Tennessee, western Kentucky, and southern Illinois. These magnitude 7.5 and 7.3 major earthquakes were centered near the town of New Madrid, Missouri and caused widespread devastation to the surrounding region and were felt by people in cities as far away as Pittsburgh, Pennsylvania and Norfolk, Virginia.

The quakes locally changed the course of the Mississippi River creating Reelfoot Lake in northwestern Tennessee. These earthquakes were not an isolated incident. The New Madrid seismic zone is one of the most seismically active areas of the U.S. east of the Rockies. Since 1974 more than 4,000 earthquakes have been recorded within this seismic zone, most of which were too small to be felt.

What locations are affected by earthquakes? What is the extent of future potential earthquakes?

Earthquake events generally affect the entire County. Earthquakes, like drought, impact large areas extending across an entire region and affecting multiple counties. Tazewell County's proximity to multiple fault zones, both large and small, makes the entire area likely to be affected by an earthquake if these faults become seismically active. The 2018 Illinois Natural Hazard Mitigation Plan classifies Tazewell County's hazard rating for earthquakes as "low."

According to the USGS, Tazewell County can expect 4 to 10 occurrences of damaging earthquake shaking over a 10,000-year period. **Figure EQ-6** illustrates the frequency of damaging earthquake shaking around the U.S.



Source: U.S. Geological Survey.

What is the probability of future earthquake events occurring based on historical data?

As with flooding, calculating the probability of future earthquakes changes depending on the magnitude of the event. According to the ISGS, Illinois is expected to experience a magnitude 3.0 earthquake every year, a magnitude 4.0 earthquake every four years and a magnitude 5.0 earthquake every 20 years. The likelihood of an earthquake with a magnitude of 6.3 or greater occurring somewhere in the central U.S. within the next 50 years is between 86% and 97%.

While the major earthquakes of 1811 and 1812 do not occur often along the New Madrid fault, they are not isolated events. In recent decades, scientists have collected evidence that earthquakes similar in size and location to those felt in 1811 and 1812 have occurred several times before within the central Mississippi Valley around 1450 A.D., 900 A.D. and 2350 B.C.

The general consensus among scientists is that earthquakes similar to the 1811-1812 earthquakes are expected to recur on average every 500 years. The U.S. Geological Survey and the Center for Earthquake Research and Information (CERI) at the University of Memphis estimates that for a 50-year period the probability of a repeat of the 1811-1812 earthquakes is between 7% and 10% and the probability of an earthquake with a magnitude of 6.0 or larger is between 25% and 40%.

HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure, and critical facilities from earthquakes.

Are the participating jurisdictions vulnerable to earthquakes?

Yes. All of Tazewell County is vulnerable to earthquakes. The unique geological formations topped with glacial drift soils found in the central U.S. conduct an earthquake's energy farther than in other parts of the Nation. Consequently, earthquakes that originate in the Midwest tend to be felt at greater distances than earthquakes with similar magnitudes that originate on the West Coast.

Earthquake Fast Facts – Risk

Earthquake Risk/Vulnerability:

- ❖ Public Health & Safety – Light/Moderate Quake within the County or immediate region: **Low**
- ❖ Public Health & Safety – Strong Quake in the region: **Low/Medium**
- ❖ Buildings/Infrastructure/Critical Facilities – Light/Moderate Quake within the County or immediate region: **Low**
- ❖ Buildings/Infrastructure/Critical Facilities – Strong Quake in the region: **Low/Medium**

This vulnerability, found throughout most of Illinois and all of Tazewell County, is compounded by relatively high water tables within the region. When earthquake shaking mixes the groundwater and soil, ground support is further weakened thus adding to the potential structural damages experienced by buildings, roads, bridges, electrical lines, and natural gas pipelines.

The *Projected Earthquake Intensities Map* prepared by the Missouri State Emergency Management Agency predicts that if a magnitude 6.7 earthquake were to take place anywhere along the New Madrid seismic zone, then the highest projected intensity felt in Tazewell County

would be a V on the Modified Mercalli Intensity Scale. If a magnitude 8.6 earthquake were to occur, then the highest projected intensity felt would be a VII.

The infrequency of major earthquakes, coupled with relatively low magnitude/intensity of past events, has led the public to perceive that Tazewell County is not vulnerable to damaging earthquakes. This perception has allowed the County and participating municipalities to develop largely without regard to earthquake safety.

Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of earthquakes?

No. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, none of the participating jurisdictions consider specific assets within their jurisdictions vulnerable to earthquakes.

What impacts resulted from the recorded earthquake events?

While Tazewell County residents felt the earthquakes that have occurred in Illinois, no damages were reported as a result of these events. Given the magnitude of the great earthquakes of 1811 and 1812, it is almost certain that individuals in what is now Tazewell County felt those quakes; however, historical records do not indicate the intensity or impacts that these quakes had on the County.

What other impacts can result from earthquakes?

Earthquakes can impact human life, health, and public safety. **Figure EQ-7** details the potential impacts that may be experienced by the County should a magnitude 6.0 or greater earthquake occur in the region.

What is the level of vulnerability to public health and safety from earthquakes?

The risk or vulnerability to public health and safety from an earthquake is dependent on the intensity and location of the event. Since there are no known faults in Tazewell County, the likelihood that an earthquake will originate in the County is very small, decreasing the chances for catastrophic damages. However, if a light earthquake originates within the County or from the structures in the immediate region, the risk or vulnerability to public health and safety is considered **low**. This risk is elevated to **low/medium** for a strong earthquake originating along seismic zones in the region (i.e., Sandwich Fault Zone or Wabash Valley).

Are existing buildings, infrastructure, and critical facilities vulnerable to earthquakes?

Yes. All existing buildings, infrastructure and critical facilities located in Tazewell County and the participating jurisdictions are vulnerable to damage from earthquakes. However, given the County's size (about 132,000 individuals), its population density, the fact that there are few buildings higher than two stories (with the exception of grain elevators and several multi-story buildings in Pekin and East Peoria) tempered by the low potential for magnitude 5.0 and above earthquakes to occur in the immediate region, the damage is anticipated to be slight with only superficial structure damage such as broken windows and cracks in weak plaster and masonry.

Figure EQ-7
Potential Earthquake Impacts

Direct	Indirect
<i>Buildings</i> • Temporary displacement of businesses, households, schools, and other critical services where heat, water and power are disrupted • Long-term displacement of businesses, households, schools, and other critical services due to structural damage or fires <i>Transportation</i> • Damages to bridges (i.e., cracking of abutments, subsidence of piers/supports, etc.) • Cracks in the pavement of critical roadways • Increased traffic on Interstate, U.S., and State Routes (especially if the quake originates along the Sandwich Fault Zone) as residents move out of the area to seek shelter and medical care and as emergency response, support services and supplies move south to aid in recovery • Misalignment of rail lines due to landslides (most likely near stream crossings), fissures and/or heaving <i>Utilities</i> • Downed power and communication lines • Breaks in drinking water and sanitary sewer lines resulting in the temporary loss of service • Disruptions in the supply of natural gas due to cracking and breaking of pipelines <i>Health</i> • Injuries/deaths due to falling debris and fires <i>Other</i> • Cracks in the earthen dams of the lakes and reservoirs within the County which could lead to dam failures	<i>Health</i> • Use of County health facilities (especially if the quake originates along the New Madrid Fault) to treat individuals injured closer to the epicenter • Emergency services (ambulance, fire, law enforcement) may be needed to provide aid in areas where damage was greater <i>Other</i> • Disruptions in land line telephone service throughout an entire region (i.e., central and southern Illinois) • Depending on the seasonal conditions present, more displacements may be expected as those who may not have enough water and food supplies seek alternate shelter due to temperature extremes that make their current housing uninhabitable

If a strong earthquake (6.0 – 6.9) were to occur in the region, then unreinforced masonry buildings are most at risk during an earthquake because the walls are prone to collapse outward. Steel and wood buildings have more ability to absorb the energy from an earthquake while wood buildings with proper foundation ties have rarely collapsed in earthquakes. In this scenario building damage in Tazewell County would range from moderate to considerable for well-built ordinary structures and considerable to severe for poorly-built structures. **Figure EQ-8**, located at the end of this section, identifies the number of unreinforced masonry buildings that serve as critical facilities within the participating jurisdictions.

If the epicenter of a magnitude 7.6 earthquake were to originate anywhere along the New Madrid seismic zone, the highest projected Modified Mercalli intensity felt in Tazewell County would be a VI based on the *Projected Earthquake Intensities Map* prepared by the Missouri State Emergency Management Agency.

An earthquake also has the ability to damage infrastructure and critical facilities such as roads and utilities. In the event of a major earthquake, bridges are expected to experience moderate damage such as cracking in the abutments and subsidence of piers and supports. The structural integrity may be compromised to the degree where safe passage is not possible, resulting in adverse travel times as alternate routes are taken. Some rural families may become isolated where alternate paved routes do not exist. In addition, cracks may form in the pavement of key roadways. **Figure R-5** lists the number of each type of critical infrastructure by jurisdiction.

An earthquake may also down overhead power and communication lines causing power outages and disruptions in communications. Cracks or breaks may form in natural gas pipelines and drinking water and sewage lines resulting in temporary loss of service. In addition, an earthquake could cause cracks to form in the earthen dams located within the County, increasing the likelihood of a dam failure.

As with public health and safety, the risk or vulnerability to buildings, infrastructure and critical facilities is dependent on the intensity and location of the event. The risk to buildings, infrastructure and critical facilities is considered to be **low** for a light to moderate earthquake that originates within the County or immediate region. This risk is elevated to **low/medium** for a strong earthquake originating along seismic zones in the region (i.e., Sandwich Fault Zone or Wabash Valley.)

Are future buildings, infrastructure, and critical facilities vulnerable to earthquakes?

Yes. All future buildings, infrastructure and critical facilities located in Tazewell County and the participating jurisdictions are vulnerable to damage from earthquakes. While County and all the participating municipalities have building codes in place, these codes do not contain seismic provisions that address structural vulnerability for earthquakes. As a result, there is the potential for future buildings, infrastructure, and critical facilities to face the same vulnerabilities as those of existing buildings, infrastructure, and critical facilities described previously.

What are the potential dollar losses to vulnerable structures from earthquakes?

Since property damage information was either unavailable or none was recorded for the documented earthquakes that impacted Tazewell County, there is no way to accurately estimate future potential dollar losses to vulnerable structures. However, according to the Tazewell County Clerk the total equalized assessed values of all residential, commercial, and industrial buildings in the planning area is \$2,686,263,512. Since all of the structures in the planning area are susceptible to earthquake impacts to varying degrees, this total represents the countywide property exposure to earthquake events.

Given Tazewell County's proximity to geologic structures and fault zones, both large and small, and the fact that all structures within the County are vulnerable to damage, it is likely that there will be future dollar losses from any earthquake ranging from strong to great. As a result, participating jurisdictions were asked to consider mitigation projects that could provide wide ranging benefits for reducing the impacts or damages associated with earthquakes.

Figure EQ-8
Number of Unreinforced Masonry Buildings Serving as Critical Facilities by Jurisdiction

Participating Jurisdiction	Government ¹	Law Enforcement	Fire Stations	Ambulance Service	Schools	Drinking Water	Wastewater Treatment	Medical ²	Healthcare Facilities ³
Tazewell County	---	---	---	---	---	---	---	---	---
Creve Coeur	---	---	---	---	---	---	---	---	---
East Peoria	1	---	---	---	---	---	---	---	---
Morton	---	---	1	---	7	1	1	---	---
Pekin	3	---	3	1	14	3	1	3	---
Tremont	2	---	1	---	3	1	---	2	---
Washington	1	---	---	---	---	---	---	---	---
East Peoria CHSD #309	---	---	---	---	---	---	---	---	---
East Peoria D&LD	---	---	---	---	---	---	---	---	---
Pekin Park District	---	---	---	---	---	---	---	---	---
Tri-County Regional Planning Commission	---	---	---	---	---	---	---	---	---

¹ Government includes: courthouses, city/village halls, township buildings, highway/road maintenance centers, etc.

² Medical includes: public health departments, hospitals, urgent/prompt care, and medical clinics.

³ Healthcare Facilities include: nursing homes, skilled care facilities, memory care facilities, residential group homes, etc.

--- Indicates jurisdiction does not own/maintain any critical facilities within that category.

3.10 MINE SUBSIDENCE

HAZARD IDENTIFICATION

What is a mine?

A mine is a pit or excavation made in the earth for the purpose of extracting minerals or ore. Mines were developed in Illinois to extract coal, clay, shale, limestone, dolomite, silica sand, tripoli, peat, ganister, lead, zinc, and fluorite.

What is mining?

Mining is the process of extracting minerals or ore from a mine. There are two common mining methods: surface mining and sub-surface (underground) mining. This section focuses on underground mining practices conducted in Tazewell County.

Mining has long figured prominently into Illinois' history. According to the National Mining Association, Illinois has the second largest recoverable reserves of coal in the country, behind only Montana. Coal deposits can be found under 86 of the 102 counties in Illinois and underground mining operations have been conducted in at least 72 counties. **Figure MS-1** shows the extent of coal deposits (Pennsylvanian rocks) present in Illinois and the mined-out areas from surface and underground coal mining. In 2018, Illinois ranked fourth in the U.S. in coal production according to the National Mining Association.

The first commercial coal mine in Illinois is thought have started in Jackson County about 1810. Since that time, there have been more than 3,800 underground coal mines and 363 underground metal and industrial mineral mines operated in Illinois. Almost all of these mines have been abandoned over the years. According to ISGS, there were nine active underground coal mines in Illinois in 2021. The U.S. Geological Survey identified nine active metal and industrial mineral underground mines in Illinois in their most recent Mineral Industry Survey.

What methods are used in underground mining?

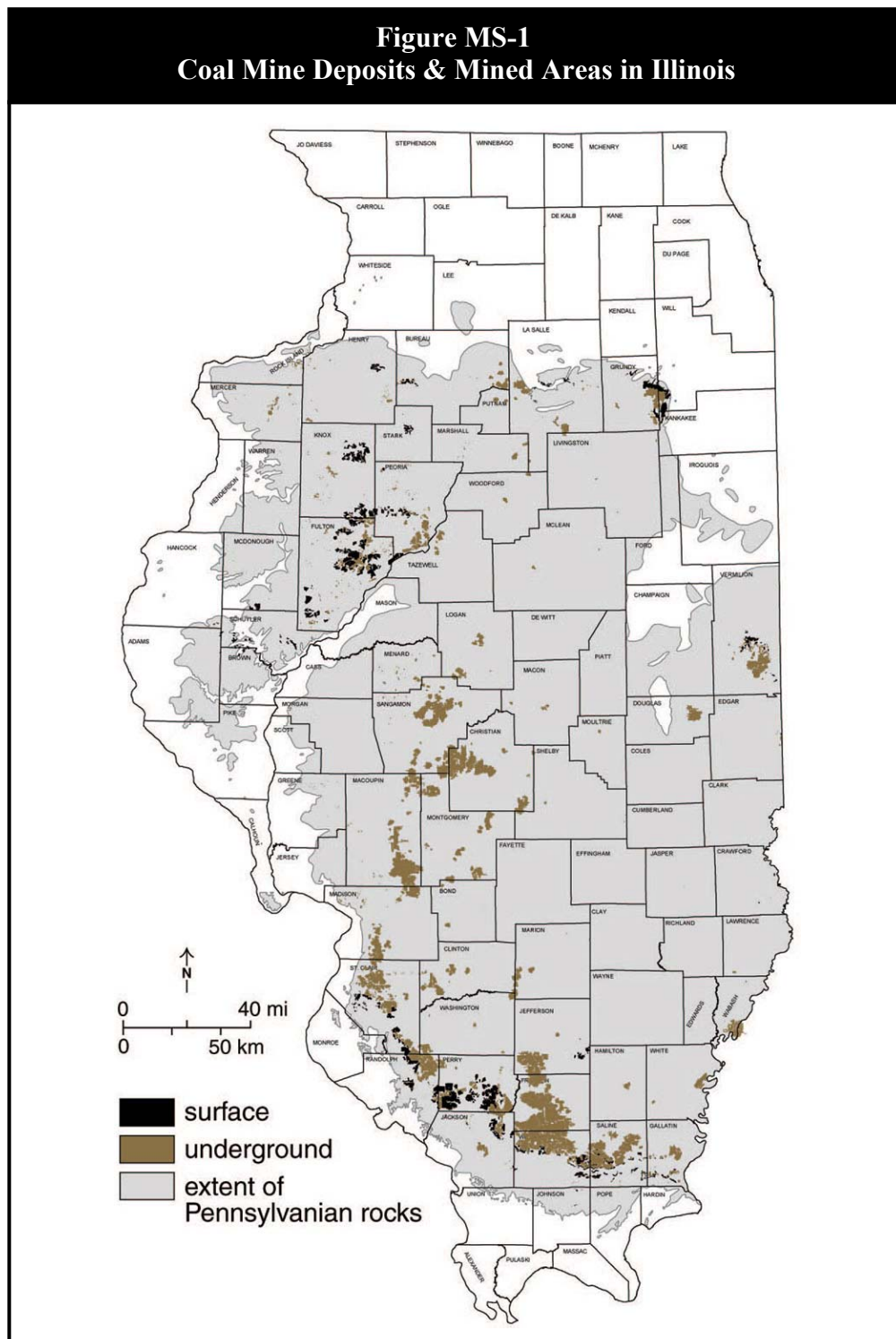
Much of Illinois coal lies too deep for surface mining and requires extraction using underground mining methods. There are three main methods of underground mining that have been used in Illinois over the years: room-and-pillar, high-extraction retreat and longwall. The following provides a brief description of each.

Room-and-Pillar

In the room-and-pillar system, the areas where coal is removed are referred to as "rooms" and the blocks of coal left in place to support the mine's roof and surface are referred to as "pillars". A "panel" refers to a group of rooms isolated from other room groups by surrounding pillars and generally accessed from only one entryway. The room-and-pillar method that was generally used before the early 1900s was characterized by rooms that varied considerably in length, width and sometimes direction, forming irregular mining patterns.

Modern room-and-pillar mines have a regular configuration of production areas (panels) and entryways, and the rooms and entries range from 18 to 24 feet, which is considerably narrower than in older mines. Generally, modern room-and-pillar mining methods recover less than 50% to

60% of the coal in a panel. Most underground mines in Illinois have used a type of room-and-pillar pattern.



Source: Illinois Department of Natural Resources & Illinois State Geological Survey.

High-Extraction Retreat

High-extraction retreat mining operations first develop a room-and-pillar production area (panel). The miners then systematically begin taking additional coal from the pillars that are left behind. The secondary extraction occurs in a retreating fashion, working from the outer edges of the panel to the main entries. Most of the coal pillars which support the roof are removed shortly after a few rows of rooms and pillars have been formed, leaving only small pillars.

The size and number of pillars left to maintain worker safety varies depending on underground geologic conditions. Roof collapses are controlled by the use of temporary roof supports and planned subsidence of the surface is initiated immediately. Since planned subsidence is part of this operation, this method requires the legal rights to the ground surface. High-extraction retreat methods recover up to 80% to 90% of the coal in a panel. No Illinois mines currently use high-extraction retreat mining, but from the 1940s to 2002, this method was used in the State.

Longwall

Modern longwall mining methods remove coal along a straight working face within defined panels (in this case a solid block of coal), up to 1 to 2 miles long and about 1,000 feet wide. Room-and-pillar methods must be used in conjunction with longwall mining. Like high-extraction retreat, longwall mining begins at the outer edges and works toward the main entries. This fully-mechanized method uses a rotating cutting drum or shearer that works back and forth across the coal face. The coal falls onto a conveyer below the cutting machine and is transported out of the mine.

All of this is performed under a canopy of steel supports that sustains the weight of the roof along the mining surface. As the coal is mined the steel supports advance. The mine roof immediately collapses behind the moving supports, causing 4 to 6 feet of maximum settling of the ground surface over the panel. Since planned subsidence is part of this operation, this method requires the legal rights to the ground surface. Longwall mining methods recover 100% of the coal in a panel.

What is mine subsidence?

Mine subsidence is the sinking or shifting of the ground surface resulting from the collapse of an underground mine. Subsidence is possible in any area where minerals or ore have been undermined. Most of the mine subsidence in Illinois is related to coal mining, which represents the largest volume extracted and area undermined of any solid commodity in the State.

Mine subsidence can be planned, as with modern high-extraction retreat and longwall mining techniques, or it can occur as the result of age and instability. For many years, underground mining was not tightly regulated and not much thought was given to the long-term stability of the mines since most of the land over the mine was sparsely populated. Once mining operations were complete, the mine was abandoned. As cities and towns grew up around the mines, many urban and residential areas were built over or near undermined areas.

ISGS estimates that approximately 333,000 housing units are located in close proximity to underground mines and may potentially be exposed to mine subsidence while approximately 201,000 acres of urban and developed land overlie or are immediately adjacent to underground

mines. Most experts agree that room-and-pillar mines will eventually experience some degree of subsidence, but currently there is no way to know when or exactly where it will occur.

What types of mine subsidence can occur in Illinois?

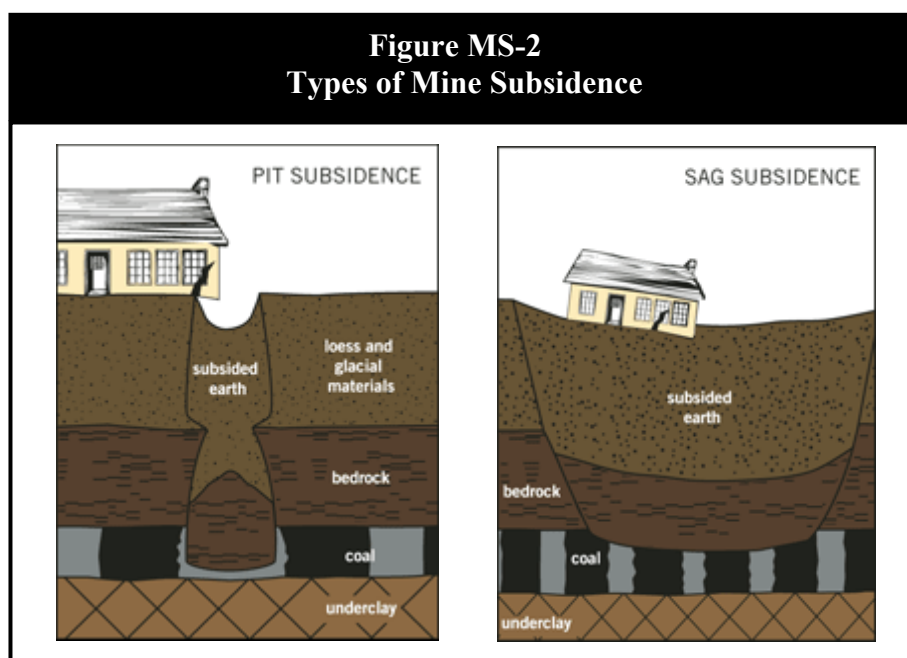
In Illinois mine subsidence typically takes one of two forms: pit subsidence or sag (trough) subsidence. The following provides a brief description of each.

Pit Subsidence

Pit subsidence generally occurs when the roof of a shallow mine (less than 100 feet deep) collapses and forms a bell-shaped hole at the ground's surface, 6 to 8 feet deep and 2 to 40 feet across. **Figure MS-2** provides an illustration of pit subsidence. This type of subsidence forms very quickly causing sudden and swift ground movement. While the probability of a structure being damaged by pit subsidence is generally low since most pits are relatively small, structural damage can occur if pit subsidence develops under the corner of a building, the support posts of a foundation or another critical spot.

Sag (Trough) Subsidence

Sag or trough subsidence generally forms a gentle depression in the ground's surface that can spread over an entire mine panel and affect several acres of land. A major sag can develop suddenly within a few hours or days, or gradually over years. This type of subsidence may originate over places in the mine where pillars have disintegrated and collapsed or where pillars are being pushed into the relatively soft underclay that forms the floor of most mines. **Figure MS-2** illustrates sag subsidence. This is the most common type of mine subsidence and can develop over mines of any depth. Given the relatively large area covered by sag subsidence, buildings, roads, driveways, sidewalks, sewer and water pipes and other utilities may experience damage.



Source: Illinois Mine Subsidence Insurance Fund.

What is the Illinois Mine Subsidence Insurance Fund?

Prior to 1979, traditional property owner’s insurance did not cover mine subsidence nor was mine subsidence coverage available for purchase in Illinois. Since many mining companies in Illinois ceased operations long before mine subsidence occurred and insurance did not cover such damage, property owner who experienced subsidence damage had no recourse. Several high-profile incidents in the Metro East St. Louis area ultimately led to the passage of the Mine Subsidence Insurance Act in 1979. The Statute required insurers to make mine subsidence insurance available to Illinois homeowners and established the Illinois Mine Subsidence Insurance Fund (IMSIF). Later amendments to the Act gave the Fund the authority, with approval from the Director of Insurance, to set the maximum limits for mine subsidence coverage.

The IMSIF is a taxable enterprise created by Statute to operate as a private solution to a public problem. The purpose of the Fund is to assure financial resources are available to owners of property damaged by mine subsidence. The Fund fills a gap in the insurance market for the benefit of Illinois property owners at risk of experiencing mine subsidence damage.

All insurance companies authorized to write basic property insurance in Illinois are required to enter into a Reinsurance Agreement with the Fund and offer mine subsidence insurance coverage. Mine subsidence insurance covers damage caused by underground mining of any solid mineral resource. In the 34 counties where underground mining has been most prevalent, the Statute requires mine subsidence coverage be automatically included in both residential and commercial property policies. Coverage may be rejected in writing by the insured. **Figure MS-3** identifies the 34 counties where mine subsidence insurance is automatically included in property insurance policies.

In addition to providing reinsurance to insurers, the Fund also is responsible for conducting geotechnical investigations to determine if mine subsidence caused the damage, establishing rates and rating schedules, providing underwriting guidance to insurers, supporting and sponsoring mine subsidence related research and initiatives consistent with the public interest and educating the public about mine subsidence issues.

HAZARD PROFILE

The following details the location of underground mines, identifies past occurrences of mine subsidence, details the severity or extent of each event (if known); identifies the locations potentially affected and estimates the likelihood of future occurrences.

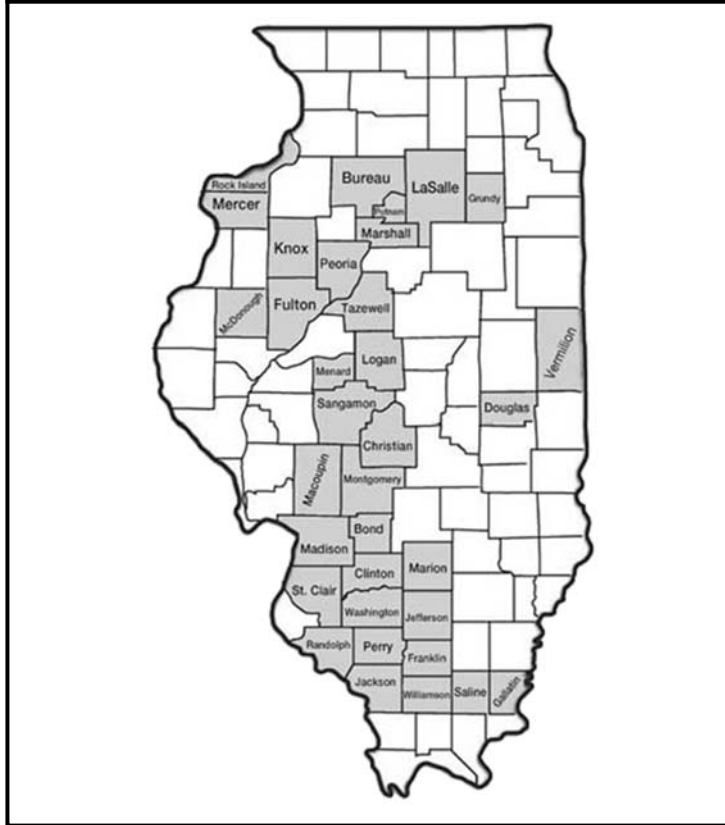
Are there any underground mines located in the County?

Yes. According to the Illinois State Geological Survey’s Directory of Coal Mines for Tazewell County, there are 27 documented underground mines located in the County. A copy of the Directory for Tazewell County is included in **Appendix L**. **Figure MS-4** illustrates the locations of these mines.

Mine Subsidence Fast Facts – Occurrences

Number of Underground Mines Located within the County: **27**
 Number of Mine Subsidence Events Reported: **None**
 IMSIF Confirmed Claims Reported (1980 – 2022): **28**
 Probability of Future Mine Subsidence Events: **Medium**

Figure MS-3
Counties Required to include Mine Subsidence Coverage in Property Insurance



Source: Illinois Mine Subsidence Insurance Fund.

When has mine subsidence occurred previously? What is the extent of these previous occurrences?

No comprehensive, publicly-accessible database detailing mine subsidence occurrences currently exists in Illinois. A review of local news articles and discussions with Committee members did not identify any known recorded mine subsidence events in Tazewell County.

According to the Illinois Mine Subsidence Insurance Fund (IMSIF), there were 28 confirmed mine subsidence claims submitted to the IMSIF for Tazewell County between 1980 and 2022. However, detailed information about the locations and damages sustained by claim were not made available. **Figure MS-5** provides a breakdown by year of the claims confirmed to have damage caused by mine subsidence.

Figure MS-5
Illinois Mine Subsidence Insurance Fund Confirmed Claims by Year –
Tazewell County

Year	No. of Claims	Year	No. of Claims	Year	No. of Claims	Year	No. of Claims
1980	0	1991	0	2002	0	2013	3
1981	0	1992	0	2003	0	2014	0
1982	0	1993	0	2004	0	2015	1
1983	0	1994	0	2005	0	2016	0
1984	0	1995	2	2006	0	2017	0
1985	0	1996	0	2007	6	2018	1
1986	0	1997	1	2008	1	2019	2
1987	0	1998	1	2009	1	2020	0
1988	0	1999	1	2010	3	2021	0
1989	0	2000	1	2011	3	2022	0
1990	0	2001	0	2012	1		

What locations are affected by mine subsidence?

According to the Illinois State Geological Survey's (ISGS) *Proximity of Underground Mines to Urban and Developed Lands in Illinois* study published in 2009, there are:

- ❖ Approximately 4,601 acres (1.1% of the land area) and 4,281 housing units (8.1% of the total housing units) in Tazewell County are located in Zone 1, land over or adjacent to mapped mines.
- ❖ An additional 3,687 acres (0.9% of the land area) and 3,258 housing units (6.2% of the total housing units) in the County are located in Zone 2, land surrounding Zone 1 that could be affected if the mine boundaries are inaccurate or uncertain.

Figures MS-6 and MS-7 identify the locations of the Zone 1 and 2 areas in Tazewell County. Based on this mapping, mine subsidence has the potential to impact parts of unincorporated Tazewell County as well as Creve Coeur, East Peoria, Marquette Heights and Pekin, some of the more densely populated communities in the County.

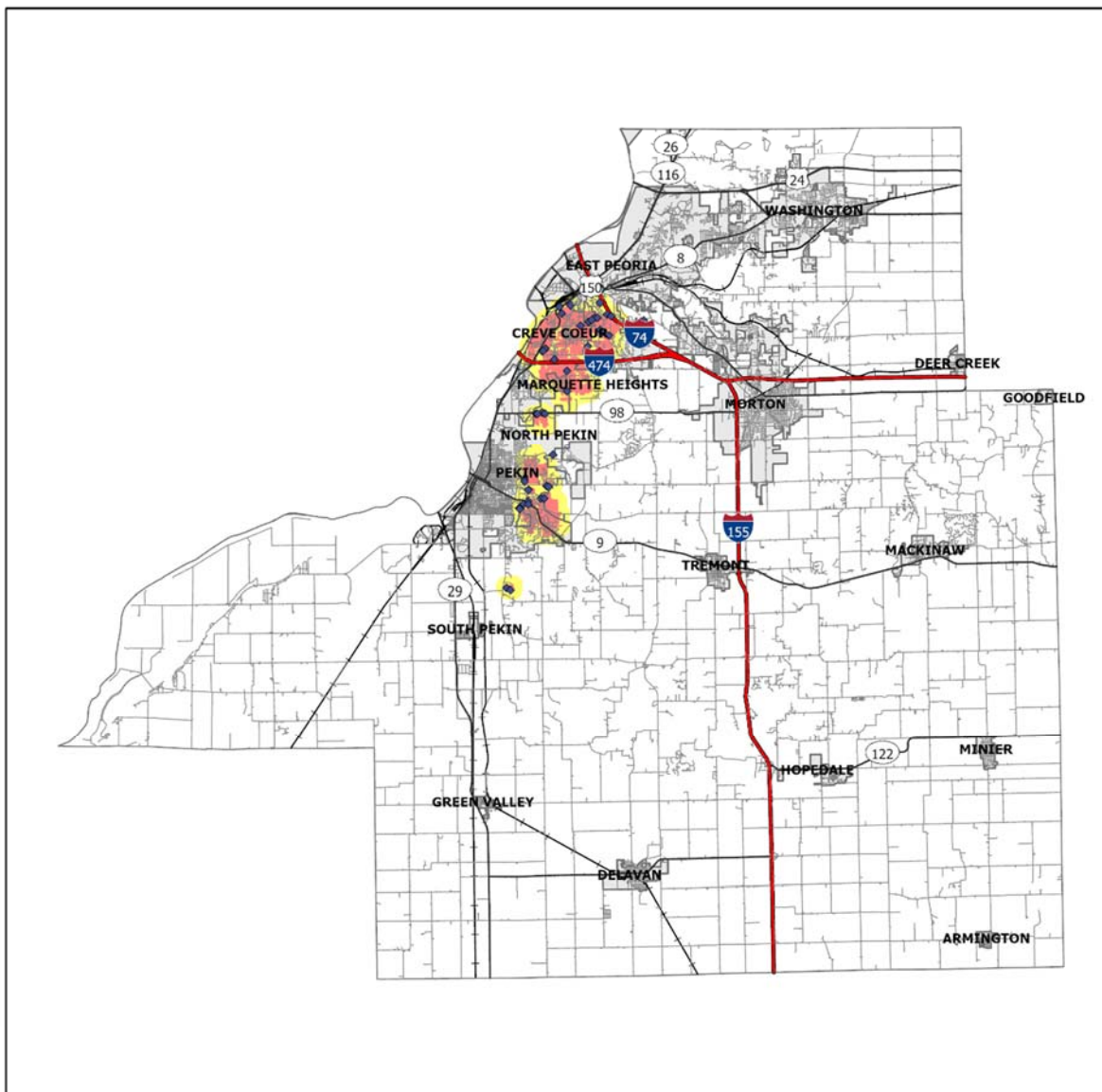
The extent of future potential mine subsidence events is a function of where current development is located relative to areas of past and present underground mining. According to the IMSIF, most experts agree that room and pillar mines will eventually experience some degree of collapse, but currently there is no way to know when or exactly where mine subsidence will occur.

What is the probability of future mine subsidence events occurring based on historical data?

There are many variables that must be considered when calculating the probability of future mine subsidence events including whether subsidence has occurred previously in an area, the size, depth and age of the mine, the magnitude or extent of the failure as well as soil and weather conditions. Given the unpredictability of mine subsidence events, the variables involved and the lack of data available for Tazewell County, it is difficult to specifically establish the probability of future mine subsidence events without extensive research.

Figure MS-6
Areas Potentially Impacted by Mine Subsidence in Tazewell County

Tazewell County



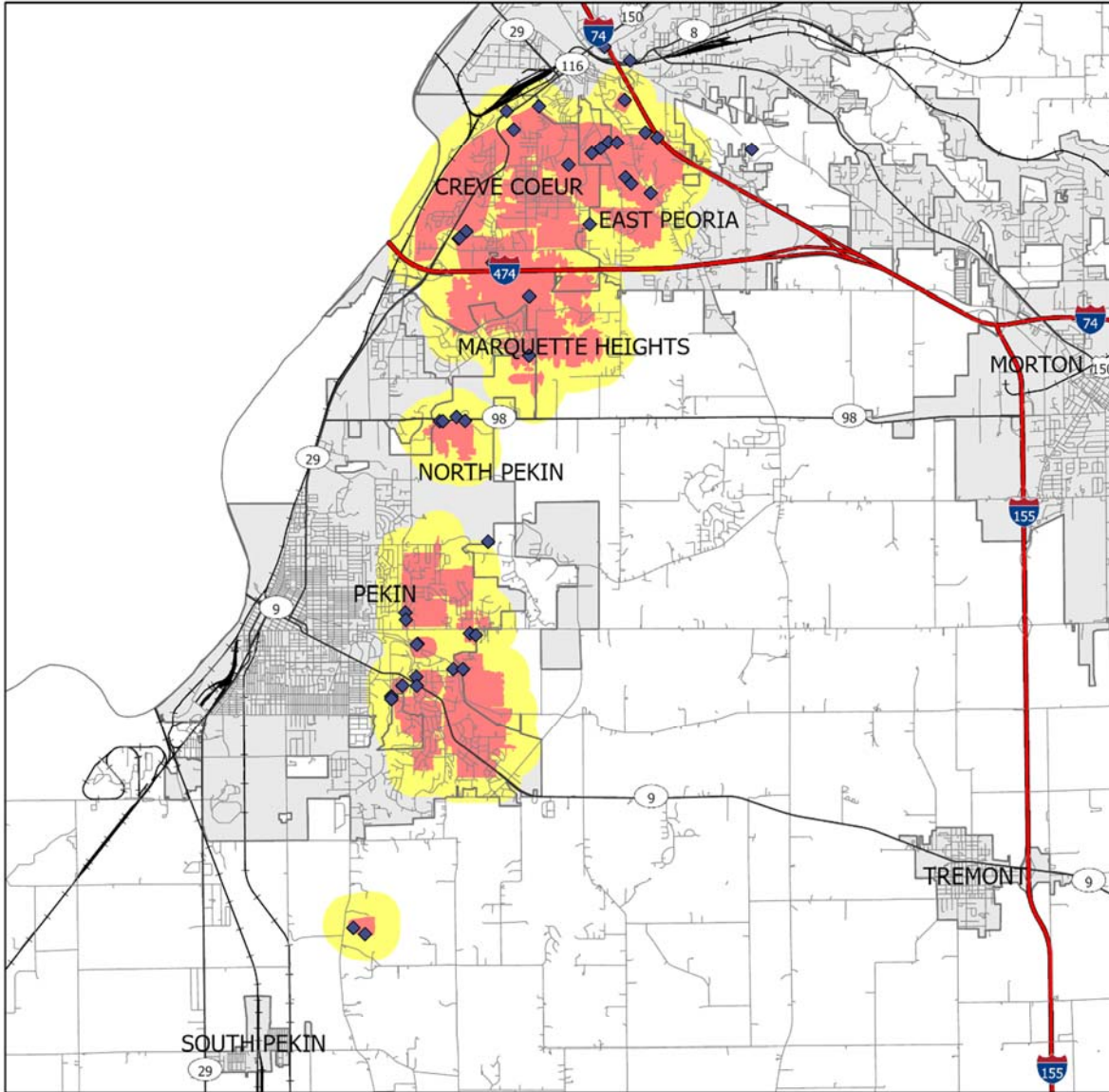
- | | |
|--------------------------------|-----------------|
| Municipal Boundaries | Interstates |
| Underground Coal Mine | US/State Routes |
| Underground Mine Buffer Region | Roadways |
| Coal Mine Shaft | Railroads |

0 2.5 5 10
Miles

Map Created April 2023 in ArcGIS Pro by Callie Smith at American Environmental Corporation
Sources: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, NASA, NGA, USGS, FEMA

Figure MS-7
Areas Potentially Impacted by Mine Subsidence – Metropolitan Areas

Tazewell County



- | | |
|--------------------------------|-----------------|
| Municipal Boundaries | Interstates |
| Underground Coal Mine | US/State Routes |
| Underground Mine Buffer Region | Roadways |
| Coal Mine Shaft | Railroads |

0 1 2 4
Miles

Map Created April 2023 in ArcGIS Pro by Callie Smith at American Environmental Corporation
Sources: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, NASA, NGA, USGS, FEMA

However, given the mining methods used, the age and location of the mines and the number of housing units located over or adjacent to undermined areas in the County, the probability that unincorporated Tazewell County, Creve Coeur, East Peoria, Marquette Heights, and Pekin will experience future mine subsidence events is estimated to be **low** to **medium** and **unlikely** for the remaining participating jurisdictions and most of unincorporated Tazewell County. For the purposes of this analysis “unlikely” is defined as having a less than 2% chance of occurring in any given year, “low” is defined as having a less than a 10% chance of occurring in any given year and “medium” is defined as having up to a 50% chance of occurring in any given year.

What is the probability of future mine subsidence events occurring based on modeled future conditions?

No data was available to accurately predict the impacts of future conditions on the frequency and severity of mine subsidence events in this region of the U.S.

HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure, and critical facilities from mine subsidence.

Are the participating jurisdictions vulnerable to mine subsidence?

Yes. Creve Coeur, East Peoria, Pekin, Pekin Park District as well as parts of unincorporated Tazewell County are vulnerable to mine subsidence. None of the other participating jurisdictions or the remainder of the County are considered vulnerable. According to ISGS, approximately 4,601 acres (1.1% of the land area) of Tazewell County are over or adjacent to mapped mines and vulnerable to mine subsidence while an additional 3,687 acres (0.9% of the land area) could be affected by mine subsidence if the mine boundaries are inaccurate or uncertain.

Do any of the participating jurisdictions consider mine subsidence to be among their community’s greatest vulnerabilities?

Yes. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, Pekin considers mine subsidence to be among its community’s greatest vulnerability. Mine subsidence has the potential to damage portions of the City, impacting services to residents.

What impacts resulted from the recorded mine subsidence events?

Since there have been no *recorded* mine subsidence events in Tazewell County, there are no recorded impacts, including injuries or fatalities, to report.

Mine Subsidence Fast Facts – Impacts/Risk

Mine Subsidence Impacts:

- ❖ IMSIF Claims Reimbursed (1980 – 2022): \$3,264,623
- ❖ Total Property Damage: *n/a*
- ❖ Total Crop Damage: *n/a*
- ❖ Injuries: *n/a*
- ❖ Fatalities: *n/a*

Mine Subsidence Risk/Vulnerability:

- ❖ Public Health & Safety – Zones 1 & 2: **Low**
- ❖ Public Health & Safety – Areas Outside Zones 1 & 2: **Low**
- ❖ Buildings/Infrastructure/Critical Facilities – Zones 1 & 2: **Medium to Low**
- ❖ Buildings/Infrastructure/Critical Facilities – Areas Outside

According to the IMSIF, \$3,264,623 in claims for confirmed damages were reimbursed in Tazewell County between 1980 and 2022. However, detailed breakdowns by claim and location were unavailable. **Figure MS-8** provides a breakdown by year of the reimbursements paid for mine subsidence damage in Tazewell County.

Figure MS-8 Illinois Mine Subsidence Insurance Fund Claim Reimbursements by Year – Tazewell County							
Year	Amount	Year	Amount	Year	Amount	Year	Amount
1980	\$0	1991	\$0	2002	\$0	2013	\$180,915
1981	\$0	1992	\$0	2003	\$155,342	2014	\$164,872
1982	\$0	1993	\$0	2004	\$117,298	2015	\$185,776
1983	\$0	1994	\$0	2005	\$0	2016	\$395,453
1984	\$0	1995	\$0	2006	\$0	2017	\$361,893
1985	\$0	1996	\$0	2007	\$0	2018	\$0
1986	\$0	1997	\$0	2008	\$0	2019	\$36,052
1987	\$0	1998	\$0	2009	\$559,376	2020	\$0
1988	\$0	1999	\$95,573	2010	\$175,344	2021	\$0
1989	\$0	2000	\$0	2011	\$0	2022	\$138,773
1990	\$0	2001	\$68,874	2012	\$629,082		0

What other impacts can result from mine subsidence events?

The initial damage to a property from mine subsidence may appear suddenly or occur gradually over many years. Damage to structures can include:

- ❖ cracked, broken or damaged foundations
- ❖ cracks in the basement walls, ceilings, garage floors, driveways, sidewalks, or roadways
- ❖ jammed or broken doors and windows
- ❖ unlevel or tilted walls or floors
- ❖ doors that swing open or closed
- ❖ chimney, porch, or steps that separate from the rest of the structure
- ❖ in extreme cases, ruptured water, sewer, or gas lines

A structure need not lie directly over a mine to be affected by mine subsidence. It is extremely difficult to accurately gauge how far a property must be from a mine to ensure that it will be unaffected by mine subsidence. Each subsidence is unique and influenced by multiple factors.

What is the level of vulnerability to public health and safety from mine subsidence?

In terms of the risk or vulnerability to public health and safety from a mine subsidence event, there are several factors that must be taken into consideration including the age, size, and depth of the mine; the mining method employed; the extent of the development and infrastructure in the vicinity of the mine; and soil and weather conditions. When all of the factors are taken into consideration, the overall risk to public health and safety posed by a mine subsidence event in Tazewell County is considered to be **low** for both Zones 1 and 2 and all other portions of the County.

Are existing buildings, infrastructure, and critical facilities vulnerable to mine subsidence?

Yes. Buildings, infrastructure, and critical facilities located within Zones 1 and 2 are vulnerable to mine subsidence. According to ISGS, approximately 4,281 housing units (8.1% of the total

housing units) are located over or adjacent to mapped mines and vulnerable to mine subsidence while an additional (0.9% of the land area) and 3,258 housing units (6.2% of the total housing units) could be affected by mine subsidence if the mine boundaries are inaccurate or uncertain. **Figure MS-9** identifies the number of critical facilities located within Zones 1 and 2 for the County, Creve Coeur, East Peoria, and Pekin for select categories.

In addition to impacting structures, mine subsidence can damage roads, bridges, and utilities. Roadways, culverts, and bridges can be weakened by mine subsidence and even destroyed if the subsidence occurs directly underneath of them. Water, sewer, power, and communication lines, both above and below ground, are also vulnerable to mine subsidence. Depending on the location of the subsidence, water, sewer, and power lines can experience ruptures causing major disruptions to vital services.

As with public health and safety, the risk or vulnerability to buildings, infrastructure and critical facilities is dependent on several factors including the age, size, and depth of the mine; the mining method employed; the extent of the development and infrastructure in the vicinity of the mine; and soil and weather conditions. When these factors are taken into consideration, the overall risk posed by mine subsidence to vulnerability to buildings, infrastructure and critical facilities in Tazewell County is considered to be **medium to low** for Zone 1 and **low** for Zone 2 and all other portions of the County.

Are future buildings, infrastructure, and critical facilities vulnerable to mine subsidence?

Yes. None of the participating jurisdictions over undermined areas, including the County, have specific regulations for building practices over undermined areas that would likely lessen the vulnerability of new buildings, critical facilities, and infrastructure to damage from mine subsidence. As a result, future buildings, infrastructure, and critical facilities face the same vulnerabilities as those of existing buildings, infrastructure and critical facilities described previously.

What are the potential dollar losses to vulnerable structures from mine subsidence?

Unlike other hazards, there are no standard loss estimation models or methodologies for mine subsidence. Given the lack of recorded events and unpredictability of mine subsidence, sufficient information was not available to prepare a reasonable estimate of future potential dollar losses to vulnerable structure from mine subsidence. Still, those housing units that reside in Zone 1 have the potential to experience future dollar losses from mine subsidence.

Figure MS-9
Critical Facilities Located in Zones 1 and 2 by Jurisdiction

Participating Jurisdiction	Government ¹ Flood Control	Law Enforcement	Fire Stations	Ambulance Service	Schools	Drinking Water	Wastewater Treatment	Medical ²	Healthcare Facilities ³
Tazewell County	---	---	---	---	---	---	---	---	---
Creve Coeur	3	1	2	---	3	3	3	---	---
East Peoria	---	---	---	---	1	---	---	---	---
Pekin	---	---	---	---	5	---	---	---	---
East Peoria CHSD #309	---	---	---	---	---	---	---	---	---
East Peoria D&LD	2	---	---	---	---	---	---	---	---
Pekin Park District	---	---	---	---	---	---	---	---	---

¹ Government includes: courthouses, city/village halls, township buildings, highway/road maintenance centers, etc.

² Medical includes: public health departments, hospitals, urgent/prompt care and medical clinics.

³ Healthcare Facilities include: nursing homes, skilled care facilities, memory care facilities, residential group homes, etc.

--- Indicates the jurisdiction does not own/maintain any critical facilities within that category.

3.11 LEVEE FAILURES

HAZARD IDENTIFICATION

What is the definition of a levee?

The U.S. Army Corps of Engineers (USACE or the Corps) defines a “levee” as an earthen embankment, floodwall or structure along a water course whose purpose is flood risk reduction or water conveyance while the National Flood Insurance Program defines a “levee” as a man-made structure, usually an earthen embankment, designed and constructed in accordance with sound engineering practices to contain, control or divert the flow of water so as to provide protection from temporary flooding. Levees are typically not designed to hold back water for extended periods of time, rather they are meant to provide temporary flood protection from seasonal high water, precipitation and other weather events. While levees reduce the risk from a flooding event, they do not eliminate it. There is always the chance a flood will exceed the capacity of a levee, no matter how well it is built.

In Illinois, the Mississippi and Illinois River valleys were largely transformed from permanent, seasonal wetlands to highly productive agricultural lands by the construction of levees and the organization of drainage districts between 1879 and 1916.

What is the definition of a levee breach?

A levee breach is a rupture, break or gap in a levee which causes previously contained water to flood the land behind the levee. If the levee breach is identified as a “failure breach” then the cause of the breach is known and occurred without overtopping. In order for a breach to be termed a failure breach, an investigation is usually required to determine the cause.

What is the definition of overtopping?

Overtopping occurs when the water levels contained by the levee exceed the levee’s crest elevation and flood the land behind the levee. The flooding occurs from overflow/overwash (waves) and other sources. In most cases overtopping may damage the levee but not compromise it. If the levee is compromised because of overtopping, then it is identified as an “overtopping breach.”

What causes a levee breach?

Levee breaches can result from one or more of the following:

- **erosion of the crown and land-side face of the levee** caused by overtopping (the higher the velocity of flow over the levee, the more quickly that erosion will occur and cause a failure of the levee);
- **sand boils and piping** resulting from the relatively fast passage of flood waters through permeable materials under the base of the levee to the land behind the levee (depending on the amount of sand and soil transported by the waters from the base to the surface, the levee may settle unevenly, crack or even completely fail);
- **seepage and saturation** (prolonged exposure to water will cause levee materials to become saturated, leading to seepage and sloughing of the soil on land-side face of the levee and resulting in the loss of slope stability and ultimately failure of the levee);

- ***erosion of the river-side slope of the levee*** as a result of wave action caused by wind and/or commercial or recreational vessels over a long period of time (most Illinois levees are constructed of sand and alluvial materials, both of which are among the easiest materials to erode);
- ***structural failures*** at gates, walls or closure structures;
- ***improper maintenance*** (including failure to maintain gates, walls or closure structures; remove trees; fill in holes created by burrowing animals, etc.); and
- ***earthquakes*** which can cause loss of soil strength and destabilize the levee and foundation materials.

Who is responsible for regulating levees?

This is no single agency with responsibility for levee oversight nationwide. The USACE has specific and limited authorities for approximately 2,000 levees across the country, totaling 14,000 miles. While the Corps serves as one of the nation's largest infrastructure stewards, the misperception exists that the USACE has universal responsibility for the nation's levees. There are three different classifications of levees:

- ***Federally Authorized Levees.*** A levee typically designed and built by the Corps in cooperation with a local sponsor, then turned over to the local sponsor (i.e., drainage district) to operate, maintain, repair and replace the levee.
- ***Non-Federally Authorized Levees.*** A levee designed and built by a non-federal agency, which is responsible for the operation, maintenance, repair and replacement of the levee.
- ***Private or Corporate-Owned Levees.*** A levee designed and built by a private citizen, company or other public entity, which is responsible for the operation, maintenance, repair and replacement of the levee. The Corps has no responsibility for this type of levee.

What is a drainage district?

A drainage district is a local unit of government formed by area landowners to "...construct, maintain or repair drains or levees or to engage in other drainage or levee work for agricultural, sanitary or mining purposes" (70 ILCS 605/3-1). Drainage districts may be organized by petition or referendum and are approved by the circuit court of the county in which the greater part of the district lies.

Each district is usually governed by three drainage commissioners, although there are districts in Illinois that have as many as five drainage commissioners. The drainage commissioners may be any adult who resides in Illinois and owns land within the district's boundaries. Commissioners are either appointed by the county or elected.

Drainage districts are funded through assessments. Each benefited landowner in a district is assessed a fee for the maintenance and upkeep of the district. Under the Illinois Drainage Code, a district which is organized to maintain levees shall include the term "drainage and levee district" in its name.

HAZARD PROFILE

According to the USACE National Levee Database, there are 67 levee systems located in Tazewell County; however, only nine of these systems are considered levee systems of significance. Levees systems of significance include those levees protecting a sizable amount of land, considerable number of structures and/or individuals. Only the levee systems of significance will be analyzed as part of this Plan update due to the limited impacts on the population, land use and infrastructure associated with the remaining levees.

The following details the levee systems of significance located in the county; identifies the location of these levee systems; details past occurrences of levee failures associated with these levee systems; describes the severity or extent of future potential failures (if known); identifies the locations potentially affected and estimates the likelihood of future occurrences of levee failures.

Are there any levees located in the County?

Yes. According to the USACE National Levee Database there are nine levee systems of significance located in Tazewell County. **Figure LF-1** provides information about each levee system.

Levee Breach Fast Facts – Occurrences

Total Number of Levee Systems Located in the County: **67**

Number of Levee Systems Studied: **9**

Number of Levee Breaches Reported: **None**

Probability of Future Levee Breach Events: **Low**

When have levee breaches occurred previously?

No comprehensive, public-accessible database detailing levee failures currently exists in Illinois. A review of newspaper articles and discussion with Committee members *did not identify any recorded levee breaches* along any of the levees of significant studied in Tazewell County.

What is the extent of future potential levee breaches?

Emergency Action Plans (EAPs)/Emergency Preparedness Plans (EPPs) defining the extent or magnitude of future potential levee breaches (water depth, speed of onset and warning times) have not been developed or were not made available to the Tazewell County Emergency Management Agency for any of the levee systems studied. As a result, a data deficiency exists in terms of defining the extent or magnitude of the inundation areas associated future potential levee breaches for these systems.

What locations are potentially affected by levee breaches?

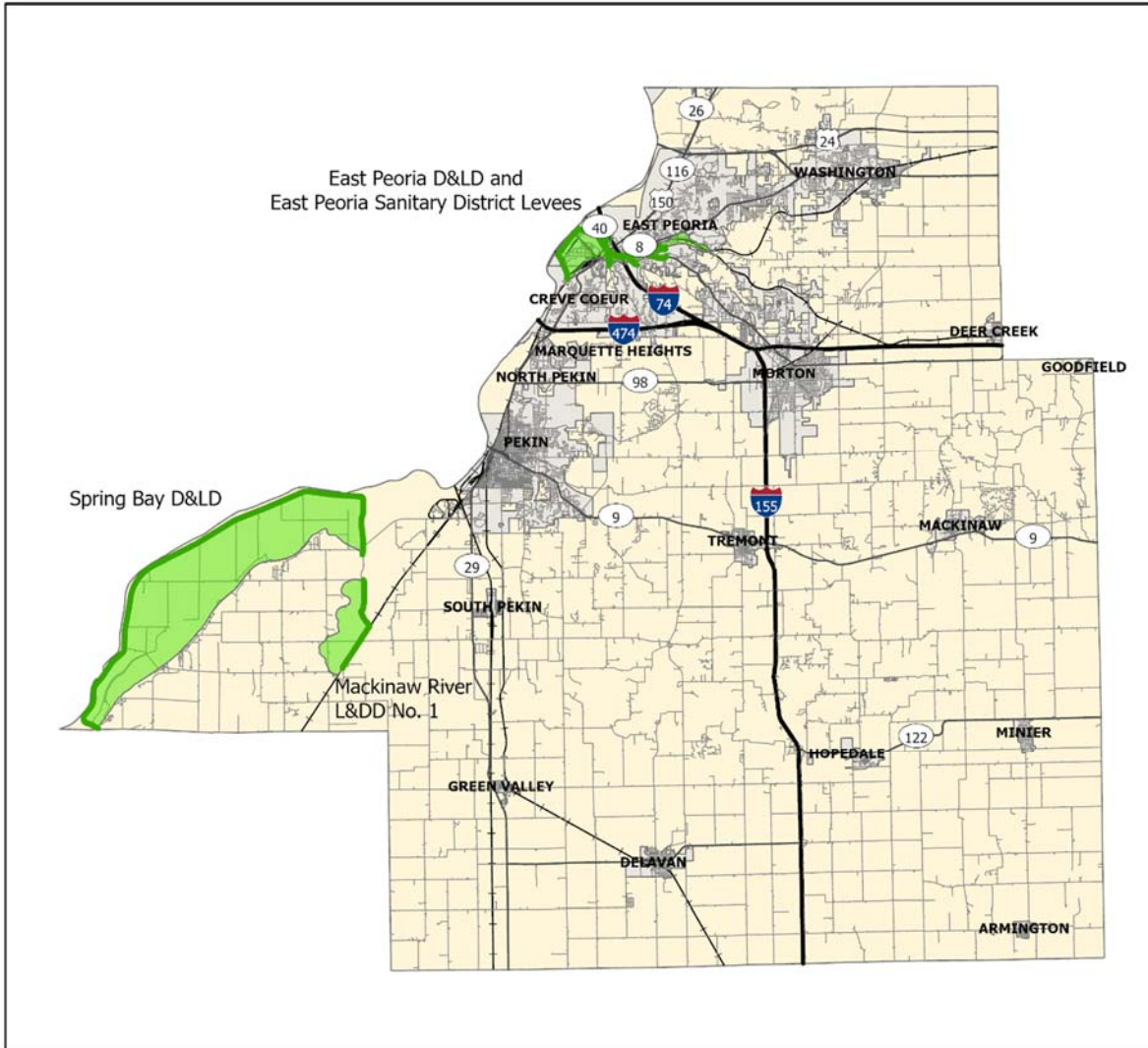
Levee breaches along the studied levee systems have the potential to affect East Peoria, Creve Coeur, and unincorporated areas of Tazewell County. **Figures LF-2 and LF-3** identify the locations potentially impacted by levee breaches.

**Figure LF-1
Levee Systems of Significance in Pike County**

Levee System Name	Levee Category	Year Constructed	# of Levee Segments	Length of Levee (Miles)	Land Protected (Acres)	Inspection Rating	PL 84-99 Status
East Peoria Drainage & Levee District (D&LD), East Peoria Sanitary District (EPSD) Farm Creek LB/Cole Creek LB	Federal	1945	2	4.34	986	Unacceptable	Inactive
EPSD Farm Creek LB/ Dempsey Creek LB/Kerfoot Creek RB	Federal; portion Non-Federal	1954	2	1.44	89	Unacceptable	Inactive
EPSD Farm Creek LB/Dempsey Creek RB	Non-Federal; portion Federal	1954	4	0.86	39	Unacceptable	Inactive
EPSD Farm Creek LB, Kerfoot Creek LB, Cole Creek RB	Federal	1954	1	0.95	94	Unacceptable	Inactive
EPSD, Farm Creek RB, Overflow Channel LB	Federal	1954	1	1.26	55	Unacceptable	Inactive
EPSD, Farm Creek RB, Overflow Channel RB	Federal	1954	2	2.80	500	Unacceptable	Inactive
EPSD 4	Non-Federal	1954	1	0.50	7	Unacceptable	Inactive
Mackinaw River Levee & Drainage District (L&DD) No. 1	Non-Federal	n/a	1	3.34	1,640	Minimally Acceptable	Active
Spring Lake Drainage & Levee District (D&LD)	Federal	1940	1	16.02	13,100	Minimally Acceptable	Active

Figure LF-2
Tazewell County Levee Systems of Significance Map

Tazewell County



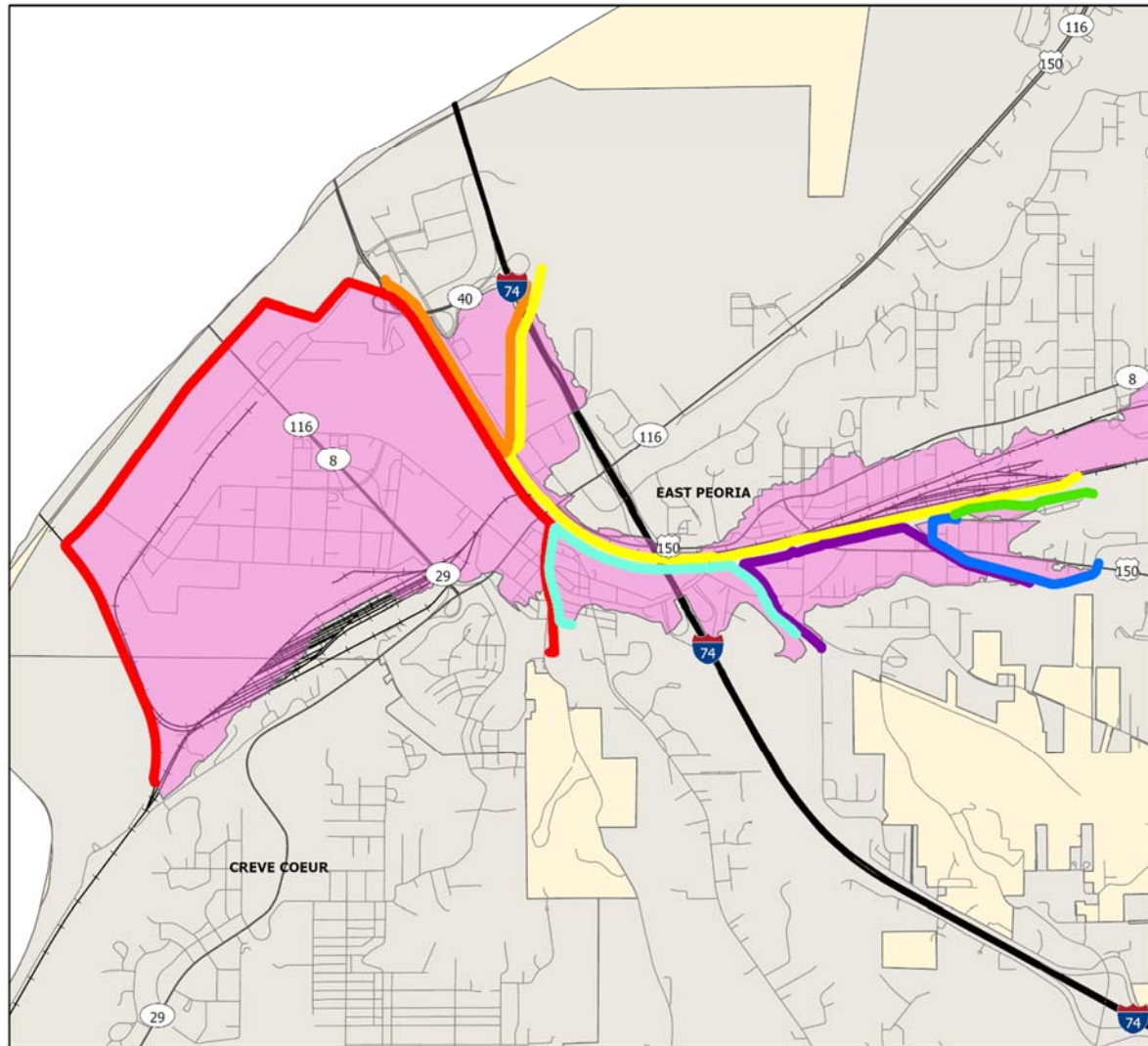
- | | |
|----------------------|-----------------|
| Municipal Boundaries | Interstates |
| Levee Protected Area | US/State Routes |
| Levee System | Roadways |
| | Railroads |

0 2.5 5 10
Miles

Map Created September 2023 in ArcGIS Pro by Callie Smith at American Environmental Corporation
Sources: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, NASA, NGA, USGS, FEMA

Figure LF-3
East Peoria Levee Systems of Significance Map

East Peoria D&LD and East Peoria Sanitary District Levees



- Municipal Boundaries
- Levee Protected Area
- Interstates
- US/State Routes
- Roadways
- Railroads
- EPD&LD and EPSD - Farm Creek LB / Cole Creek LB
- EPSD - Farm Creek RB / Overflow Channel LB
- EPSD - Farm Creek RB / Overflow Channel RB
- EPSD - Farm Creek LB / Kerfoot Creek LB / Cole Creek RB
- EPSD - Farm Creek LB / Dempsey Creek RB
- EPSD - Farm Creek LB / Dempsey Creek LB / Kerfoot Creek RB
- East Peoria Sanitary District 4

0 0.25 0.5 1 Miles

Map Created September 2023 in ArcGIS Pro by Callie Smith at American Environmental Corporation
Sources: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, NASA, NGA, USGS, FEMA

What is the probability of future levee breach events occurring based on historical data?

There are several factors that must be considered when calculating the probability of future levee breaches including whether a breach has occurred previously, the age and current conditions of the levee, whether proper maintenance is ongoing and the magnitude of the event. Since only one of the studied levee systems has experienced a breach, it is difficult to specifically establish the probability of future levee breaches associated with these levees; however, based on the data available, it is estimated to be **low**. For the purposes of this analysis “low” is defined as having a less than 10% chance of occurring in any given year.

According to the USACE National Levee Database, seven of the nine levees of significance in Tazewell County have Levee Safety Action Classifications of “Low.” The EPSD 4 Levee and the Mackinaw River L&DD No. 1 Levee have not been screened for a Levee Safety Action Classification.

What is the probability of future levee breach events occurring based on modeled future conditions?

Levee failures are caused by a combination of multiple factors, including construction practices, soil permeability and conditions, wave erosion from passing watercrafts, precipitation, and most importantly maintenance. Although there are not yet studies exploring the possible relationship between levee failures and trends in temperature and precipitation changes in the U.S., it can be reasonably inferred that increases in heavy rain events could potentially increase the probability of levee failures. Since future condition forecasts suggest an increase in total annual precipitation in Illinois as discussed in Section 3.1, it is possible that one of the factors that contributes to levee failures will become more frequent. It is impossible to say how much of an impact, if any, this will have on any given levee, but this increased level of uncertainty should be taken into account in planning for the future. This analysis should be revisited in subsequent planning efforts as more data becomes available.

HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions associated with the levees of significance studied, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure and critical facilities from levee failures.

Are the participating jurisdictions vulnerable to levee breaches from the levee systems of significance?

Yes. Portions of East Peoria, Creve Coeur, and unincorporated Tazewell County are vulnerable to the dangers presented by levee breaches associated with the levee systems of significance studied. None of the other participating municipalities or the remainder of the County are considered vulnerable.

Levee Failure Fast Facts – Risk

Levee Breach Risk/Vulnerability:

- ❖ Public Health & Safety: **Low/Medium**
- ❖ Buildings/Infrastructure/Critical Facilities:– **Low/Medium**

Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of levee breaches?

Yes. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, East Peoria considers specific assets within its community vulnerable to levee failures. Portions of the Farm Creek levee system are not accredited by FEMA and therefore do not meet the National Flood Insurance Program requirements to reduce the base flood hazards in these areas.

What impacts resulted from the recorded levee breaches?

Since there have been *no recorded* levee breaches associated with the levees of significance studied in Tazewell County, there are no recorded impacts to report.

What other impacts can result from levee breaches?

Aside from causing damage to buildings, infrastructure and critical facilities, floodwaters released due to a levee breach also pose biological and chemical risks to public health. Flooding can force untreated sewage to mix with floodwaters. The polluted floodwaters then transport the biological contaminants into buildings and basements and onto roads and public areas. If left untreated, the floodwaters can serve as breeding grounds for bacteria and other disease-causing agents. Even if floodwaters are not contaminated with biological material, basements and buildings that are not properly cleaned can grow mold and mildew which can pose a health hazard, especially for small children, the elderly and those with specific allergies. Flooding also has the potential to contaminate drinking water sources used for both human and livestock consumption.

Flooding resulting from a levee breach can also cause chemical contaminants such as gasoline and oil to enter the floodwaters if underground storage tanks or pipelines crack and begin leaking during an event. Depending on the time of year, floodwaters also may carry away agricultural chemicals that have been applied to farm fields.

What is the level of vulnerability to public health and safety from levee breaches?

In terms of the risk or vulnerability to public health and safety from a levee breach associated with the studied levees, there are several factors that must be taken into consideration including the magnitude or severity of the precipitating event (whether an earthquake or flooding); the extent and type of development and infrastructure protected by the levee; the amount of time available to enact emergency measures such as evacuations; and USACE's Risk Classification Rating. **Figure LF-4** identifies the number of individuals vulnerable to a levee breach by levee system, the USACE's Levee Safety Action Classification (LSAC) Risk Rating assigned to each levee system and the assessment date, if available. The USACE's Risk Classification Rating has five classes: Very Low, Low, Moderate, High and Very High.

When all these factors are taken into consideration, the overall risk to public health and safety posed by a levee breach from the levees in Tazewell County is considered to be **low** to **medium** for the East Peoria D&LD and EPSD levees and **low** for the remaining two levee systems in unincorporated Tazewell County. The East Peoria D&LD and EPSD protects a portion of East Peoria and Creve Coeur, including significant critical infrastructure, businesses and industries.

Figure LF-4 Number of Individuals Vulnerable to a Levee Breach			
Levee System Name	Total Number of Individuals Protected by Levee	USACE LSAC Risk Rating	Risk Rating Assessment Date
East Peoria D&LD and EPSD Farm Creek LB / Cole Creek LB	4,205	Low	12/19/2016
EPSD Farm Creek LB/ Dempsey Creek LB/Kerfoot Creek RB	339	Low	07/08/2021
EPSD Farm Creek LB/Dempsey Creek RB	162	Low	12/08/2020
EPSD Farm Creek LB, Kerfoot Creek LB, Cole Creek RB	713	Low	05/10/2016
EPSD, Farm Creek RB, Overflow Channel LB	265	Low	02/18/2020
EPSD, Farm Creek RB, Overflow Channel RB	459	Low	09/03/2020
EPSD 4	17	Not Screened	n/a
Mackinaw River L&DD No. 1	8	Not Screened	n/a
Spring Lake D&LD	271	Low	01/25/2018

Source: US Army Corps of Engineers, National Levee Database.

Are existing buildings, infrastructure and critical facilities vulnerable to levee breaches?

Yes. Buildings, infrastructure and critical facilities located within the leveed areas associated with the studied levees are vulnerable to levee breaches. **Figure LF-5**, located at the end of this section, identifies infrastructure and critical facilities vulnerable to a levee breach by participating jurisdiction while **Figure LF-6** identifies the number of existing structures vulnerable to a levee breach by levee system, the total estimated property value of the vulnerable structures and the participating jurisdiction the structures are located within. These counts were acquired from the USACE's National Levee Database. The estimated property value is a sum of the structure value, structure contents and vehicles in the leveed area. The value does not include economic productivity loss, transportation infrastructure values (i.e., bridges, runways, roads) or land value.

Depending on the magnitude of the breach, all of the vulnerable buildings, infrastructure and critical facilities may be inundated by water and structural and content damage may result. In addition to impacting structures, a levee breach can damage roads and utilities. Roadways and culverts can be weakened by levee breach floodwaters and may collapse under the weight of a vehicle. Power and communication lines, both above and below ground, are also vulnerable to levee breach flooding. Depending on their location and the velocity of the water as it escapes the levee, power poles may be snapped causing disruptions to power and communication. Water may also get into any buried lines causing damage and disruptions.

As with public health and safety, the risk or vulnerability to buildings, infrastructure and critical facilities is dependent on several factors including the magnitude or severity of the precipitating event (whether an earthquake, general flood or flash flood), the extent and type of development and infrastructure protected by the levee, the amount of time available to implement emergency measures such as sandbagging, and the USACE's Risk Classification Rating.

Figure LF-6 Number of Existing Structures Vulnerable to a Levee Breach			
Levee System Name	Total Number of Vulnerable Structures	Total Estimated Property Value of Vulnerable Structures	Structure Locations in Tazewell County
East Peoria D&LD and EPSD Farm Creek LB / Cole Creek LB	422	\$323 million	Creve Coeur, East Peoria
EPSD Farm Creek LB/ Dempsey Creek LB/Kerfoot Creek RB	207	\$51.7 million	East Peoria
EPSD Farm Creek LB/Dempsey Creek RB	88	\$18.3 million	East Peoria
EPSD Farm Creek LB, Kerfoot Creek LB, Cole Creek RB	103	\$39.9 million	East Peoria;
EPSD, Farm Creek RB, Overflow Channel LB	8	\$6.56 million	East Peoria
EPSD, Farm Creek RB, Overflow Channel RB	299	\$115 million	East Peoria
EPSD 4	2	\$8.02 million	East Peoria
Mackinaw River L&DD No. 1	11	\$22.3 million	Unincorp. Tazewell County
Spring Lake D&LD	271	\$42.5 million	Unincorp. Tazewell County

Source: US Army Corps. of Engineers, National Levee Database.

When all these factors are taken into consideration, the overall risk to existing buildings, infrastructure and critical facilities posed by a levee breach from the studied levees in Tazewell County is considered to be **medium** for the East Peoria D&LD and EPSD levees and **low** for the remaining two levee systems in unincorporated Tazewell County. The East Peoria D&LD and EPSD protects a portion of East Peoria and Creve Coeur, including significant critical infrastructure, businesses, and industries.

Are future buildings, infrastructure and critical facilities vulnerable to levee breaches?

Yes. Any future buildings, infrastructure and critical facilities located within the studied leveed systems of significance are vulnerable to damage from a levee breach. As a result, future buildings, infrastructure and critical facilities face the same vulnerabilities as those of existing buildings, infrastructure and critical facilities described previously.

What are the potential dollar losses to vulnerable structures from levee breaches?

Unlike other hazards, there are no standard loss estimation models or methodologies for levee breaches. With no recorded events listing property damage numbers for levee breaches, there is no way to reasonably estimate future potential dollar losses. However, according to the National Levee Database, the total estimated property value of vulnerable structures in the leveed areas is \$657.3 million. Since all of the structures in the leveed areas are susceptible to levee breach impacts to varying degrees, this total represents the maximum property exposure to levee breach events.

**Figure LF-5
Critical Facilities/Infrastructure Vulnerable to a Levee Breach by Jurisdiction in Tazewell County**

Participating Jurisdiction	Government ¹ Flood Control	Law Enforcement	Fire Stations	Ambulance Service	Schools	Drinking Water	Wastewater Treatment	Medical ²	Healthcare Facilities ³
Tazewell County	1	---	---	---	---	---	---	---	---
Creve Coeur	---	---	---	---	---	---	---	---	---
East Peoria	2	1	1	1	3	---	4	2	---
East Peoria CHSD #309	---	---	---	---	1	---	---	---	---
East Peoria D&LD	1	---	---	---	---	---	---	---	---

¹ Government includes: courthouses, city/village halls, township buildings, highway/road maintenance centers, etc.

² Medical includes: public health departments, hospitals, urgent/prompt care and medical clinics.

³ Healthcare Facilities include: nursing homes, skilled care facilities, memory care facilities, residential group homes, etc.

3.12 DAM FAILURES

HAZARD IDENTIFICATION

What is the definition of a dam?

A dam is an artificial barrier constructed across a stream channel or a man-made basin for the purpose of storing, controlling or diverting water. Dams typically are constructed of earth, rock, concrete or mine tailings. The area directly behind the dam where water is impounded or stored is referred to as a reservoir.

According to the U.S. Army Corps of Engineers' National Inventory of Dams (NID), there are approximately 91,785 dams in the U.S. and Puerto Rico, with 1,639 dams located in Illinois. (The NID is maintained by the U.S. Army Corps of Engineers and is updated approximately every two years.) Of the 1,639 dams in Illinois, approximately 93.5% are constructed of earth.

What is the definition of a dam failure?

A dam failure is the partial or total collapse, breach or other failure of a dam that causes flooding downstream. In the event of a dam failure, the people, property and infrastructure downstream could be subject to devastating damages. The potential severity of a full or partial dam failure is influenced by two factors:

- the capacity of the reservoir and
- the density, type and value of development/infrastructure located downstream.

There are two categories of dam failures, “flood” or “rainy day” failures and “sunny day” failures. A “flood” or “rainy day” failure usually results when excess precipitation and runoff cause overtopping or a buildup of pressure behind a dam which leads to a breach. Even normal storm events can lead to “flood” failures if debris plugs the water outlets. Given the conditions that lead to a “flood” failure (i.e., rainfall over a period of hours or days), there is usually a sufficient amount of time to warn and evacuate residents downstream.

Unlike a “flood” failure, there is generally no warning associated with a “sunny day” failure. A “sunny day” failure is usually the result of improper or poor dam maintenance, internal erosion, vandalism or an earthquake. This unexpected failure can be catastrophic because it may not allow enough time to warn and evacuate residents downstream.

No one knows precisely how many dam failures have occurred in the U.S.; however, it's estimated that hundreds have taken place over the last century. Some of the worst failures have caused catastrophic property and environmental damage and have taken hundreds of lives. The worst dam failure in the last 50 years occurred on February 26, 1972 in Buffalo Creek, West Virginia. A tailings dam owned by the Buffalo Mining Company failed, taking 125 lives, injuring 1,100 individuals, destroying approximately 550 homes and causing property damage in excess of \$50 million (approximately \$298.6 million in 2017 based on the Bureau of Labor Statistics Consumer Price Index Inflation Calculator.)

Dam failures have been documented in every state, including Illinois. According to the Dam Incident Database compiled by the National Performance of Dams Program, there have been 10 reported dam failures with uncontrolled releases of the reservoir in Illinois since 1950.

What causes a dam failure?

Dam failures can result from one or more of the following:

- ***prolonged periods of rainfall and flooding*** (the cause of most failures);
- ***inadequate spillway capacity*** resulting in excess flow overtopping the dam;
- ***internal erosion*** caused by embankment or foundation leakage;
- ***improper maintenance*** (including failure to remove trees, repair internal seepage problems, maintain gates, valves and other operational components, etc.);
- ***improper design*** (including use of improper construction materials and practices);
- ***negligent operation*** (including failure to remove or open gates or valves during high flow periods);
- ***failure of an upstream dam on the same waterway***;
- ***landslides into reservoirs*** which cause surges that result in overtopping of the dam;
- ***high winds*** which can cause significant wave action and result in substantial erosion; and
- ***earthquakes*** which can cause longitudinal cracks at the tops of embankments that can weaken entire structures.

How are dams classified?

Each dam listed on the National Inventory of Dams is assigned a hazard potential classification rating per the “Federal Guidelines for Dam Safety: Hazard Potential Classification System for Dams.” The classification system is based on the potential for loss of life and damage to property in the event of a dam failure. There are three classifications: High, Significant and Low. **Figure DF-1** provides a brief description of each hazard potential classification. It is important to note that the hazard potential classification assigned is not an indicator of the adequacy of the dam or its physical integrity and in no way reflects the current condition of the dam.

Figure DF-1
Dam Hazard Classification System

Hazard Potential Classification	Description
High	Those dams where failure or mis-operation result in probable loss of human life, regardless of the magnitude of other losses. The probable loss of human life is defined to signify one or more lives lost.
Significant	Those dams where failure or mis-operation result in no probable loss of human life but can cause economic loss, environmental damage, disruption of lifeline facilities or can impact other concerns. Significant hazard potential classification dams are often located in predominately rural or agricultural areas but could be located in areas with population and significant infrastructure.
Low	Those dams where failure or mis-operation results in no probable loss of human life and low economic and/or or environmental losses. Losses are principally limited to the dam owner’s property.

Sources: Federal Emergency Management Agency
U.S. Army Corps of Engineers

HAZARD PROFILE

According to the USACE National Inventory of Dams, there are 43 classified dams located in Tazewell County. Of those 43 dams, five have a hazard potential classification of “High”, 10 have a hazard potential classification of “Significant” and the remaining 28 dams have a hazard potential classification of “Low”. These do not have reservoirs with immense storage capacities and are not located in densely populated areas. Due to the limited impacts on the population, land use and infrastructure associated with a majority of the classified dams, only those dams that have “High” hazard potential classification will be analyzed as part of this Plan update.

While Gabbert Pond Dam has a hazard potential of classification of “High” according to the National Inventory of Dams, the entire pond covers approximately 0.5 acres, has a dam height of 20 feet and is approximately 150 feet in length. According to the Illinois Environmental Protection Agency the average depth of a detention pond should be at least four to five feet with a maximum depth of at least eight feet. Taking into account differences in depth within the impoundment due to siltation and buildup of sedimentation, it can be assumed that the storage capacity of the Gabbert Pond Dam ranges between 2 and 3 acre-feet, which makes it a “Small” size classification dam.

Based on the topographic relief of the area, water from a dam failure will likely flow north and potentially impact four to eight residences on Walnut Drive. Given the area immediately downstream of the dam is wooded and the roadway offers a wide unobstructed area for the water to spread out quickly, the impacts from a potential dam failure are considered to be limited and not likely to cause any loss of life. If the appropriate studies were conducted to determine the accurate hazard potential classification of this dam, it would not likely have a “High” classification. As a result, this dam was not analyzed as part of this Plan.

The following details the location of “High” hazard classified dams, identifies past occurrences of dam failures, details the severity or extent of future potential failures (if known); identifies the locations potentially affected and estimates the likelihood of future occurrences.

Do any of the participating jurisdictions own “High” hazard classified dams?

No. None of the participating jurisdictions own a “High” hazard dam.

Are there any other publicly or privately-owned “High” hazard dams within the County?

Yes. The U.S. Army Corps of Engineers owns two “High” hazard dams: Farmdale Dam and Fondulac Dam. The remaining two dams are privately-owned. **Figure DF-2** provides a brief description of these dams.

Dam Failure Fast Facts – Occurrences

Number of “High” Hazard Classified Dams Located in the County: **5**

Number of “High” Hazard Dams owned by Participating Jurisdictions: **None**

Number of Dam Failures Reported: **None**

Probability of Future Dam Failure Events: **Low**

Figure DF-2
High Hazard Classified Dams Located in Tazewell County
(Sheet 1 of 2)

Dam Name	Hazard Classification	Associated Waterway	Owner	Type	Primary Purpose	Completion Year	Height (feet)	Length (feet)	Maximum Storage (acre-feet)	Impoundment Surface Area (acres)	Drainage Area (square miles)	Emergency Action Plan
Publicly-Owned												
Farmdale	High	Farm Creek	USACE	Gravity Earth	Flood Control	1951	90	1,275	15,500	0	26	Yes
Fondulac	High	Fondulac Creek	USACE	Gravity Earth	Flood Control	1949	74	1,000	18,100	0	5	Yes
Privately-Owned												
Sunset Hills Lake 1 Dam	High	Tributary Lost Creek	Golf Club Properties Inc.	Earth	Irrigation, Recreation	1964	42	420	106	4 ac.	0.1	Yes
Sunset Hills Lake 2 Dam	High	Tributary Lick Creek	n/a	Earth	Other, Water Supply	1964	35	565	266	17 ac.	0.7	No

Sources: Stanford University, National Performance of Dams Program, NPDP Dams Database.
U.S. Army Corps of Engineers, National Inventory of Dams Interactive Report.

When have dam failures occurred previously? What is the extent of these previous dam failures?

According to data from Stanford University's National Performance of Dams Incident Database and discussions with Committee members, there are no known recorded dam failures associated with the classified dam in Tazewell County.

What is the extent of future potential dam failures?

An Emergency Action Plan (EAP) defining the extent or magnitude of a potential dam failure (water depth, area of impact) was developed for Farmdale & Fondulac Dams and made available to the Consultant. While an EAP was purportedly developed for Sunset Hills Lake 1 Dam, it could not be located by either the City of Pekin or the Tazewell County Emergency Management Agency and an EPA for Sunset Hills Lake 2 Dam has not been developed. As a result, a data deficiency exists in terms of defining the extent or magnitude of future potential dam failures for these two dams.

According to EAP for the Farmdale & Fondulac Dams, the failure wave arrival time in East Peoria (2 to 6 miles downstream of the dam) for a Farmdale Dam breach at Maximum High Pool (MHP) would be 41 minutes and the peak arrival time would be one hour and nine minutes. The failure wave would reach an approximate peak elevation 30 feet above the top of the bank of Farm Creek. Both sides of the Creek would be inundated with an approximate floodplain width of 0.7 miles near East Peoria. Flooding would mostly affect residential and commercial areas adjacent to Farm Creek. The flood wave would overtop the East Peoria Drainage and Levee District levees and fill these areas with flood waters. Potentially affected critical infrastructure includes electric substations, police stations, fire stations, and schools. Transportation infrastructure could also be impacted.

The failure wave arrival time in East Peoria (1 to 5 miles downstream of the dam) for a Fondulac Dam breach at Maximum High Pool would be 32 minutes and the peak arrival time would be 45 minutes. The failure wave would reach an approximate peak elevation 14 feet above the top of the bank of Farm Creek. Both sides of the Creek would be inundated with an approximate floodplain width of 0.6 miles near East Peoria. Flooding would mostly affect residential and commercial areas adjacent to Farm Creek. The flood wave would overtop the East Peoria Drainage and Levee District levees. Potentially affected critical infrastructure includes electric substations, police stations, fire stations, and schools. Transportation infrastructure could also be impacted.

What locations are affected by dam failure?

Figure DF-3 shows the locations of the “High” classified dams in Tazewell County. Dam failures have the potential to impact the following municipalities/unincorporated areas:

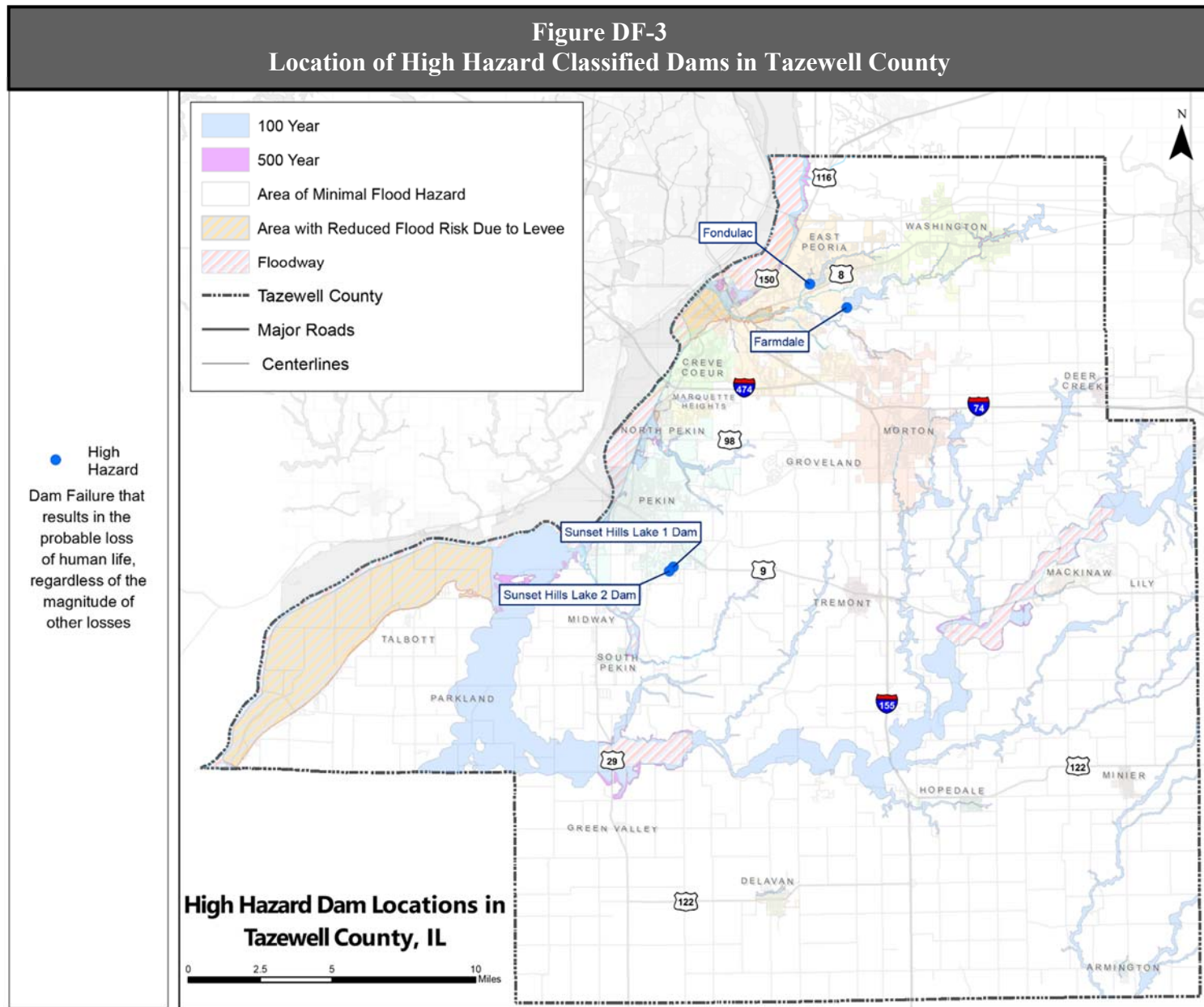
- ❖ East Peoria;
- ❖ extreme northwest boundary of Creve Coeur at Caterpillar Building NN;
- ❖ extreme northern boundary of Morton at Wastewater Treatment Plant #3; and
- ❖ Sunset Hills subdivision in Pekin.

What is the probability of future dam failure events occurring based on historical data?

Since none of the dams have experienced a dam failure, it is difficult to specifically establish the probability of a future failure. However, based on the capacity of the reservoirs and the scope and type of development and infrastructure located downstream, the probability is estimated to be **low**. For the purposes of this analysis “low” is defined as having a less than 10% chance of occurring in any given year.

What is the probability of future dam failure events occurring based on modeled future conditions?

Dam failures are caused by a combination of multiple factors, including construction practices, soil permeability and conditions, wave erosion, precipitation, and most importantly maintenance. Although there are not yet sufficient studies exploring the possible relationship between dam failures and trends in temperature and precipitation changes in the U.S., it can be reasonably inferred that increases in heavy rain events could potentially increase the probability of dam failures. Since future condition forecasts suggest an increase in total annual precipitation in Illinois as discussed in Section 3.1, it is possible that one of the factors that contributes to dam failures will become more frequent. It is impossible to say how much of an impact, if any, this will have



on any given dam, but this increased level of uncertainty should be taken into account in planning for the future. This analysis should be revisited in subsequent planning efforts as more data becomes available.

HAZARD VULNERABILITY

The following describes the vulnerability to participating jurisdictions, identifies the impacts on public health and property (if known) and estimates the potential impacts on public health and safety as well as buildings, infrastructure, and critical facilities from dam failures.

Are the participating jurisdictions vulnerable to dam failures?

Yes. Creve Coeur, East Peoria, East Peoria CHSD #309, East Peoria D&LD, Morton, Pekin, and unincorporated areas of Tazewell are vulnerable to the dangers presented by dam failures. None of the rest of the participating jurisdictions or the remainder of the County are considered vulnerable.

Have any of the participating jurisdictions identified specific assets vulnerable to the impacts of dam failures?

No. Based on responses to a Critical Facilities Vulnerability Survey distributed to the participating jurisdictions, none of the participating jurisdictions considered specific assets within their jurisdiction vulnerable to dam failures.

Dam Failure Fast Facts – Risk

Dam Failure Risk/Vulnerability:

- ❖ Public Health & Safety: Farmdale & Fondulac Dams: – **Low to Medium**
- ❖ Public Health & Safety: Sunset Hills Lake 1 & 2 Dams: – **Low**
- ❖ Buildings/Infrastructure/Critical Facilities: Farmdale & Fondulac Dams: – **Low to Medium**
- ❖ Buildings/Infrastructure/Critical Facilities: Sunset Hills Lake 1 & 2 Dams: – **Low**

What impacts resulted from the recorded dam failures?

Since there have been no *recorded* dam failures associated with the classified dams in Tazewell County, there are no recorded impacts to report.

What other impacts can result from dam failures?

The impacts from a dam failure are similar to those of a flood. There is the potential for injuries, loss of life, property damage, and crop damage. Depending on the type of dam failure, there may be little, if any warning that an event is about to occur, similar to flash flooding. As a result, one of the primary threats to individuals is from drowning. Motorists who choose to drive over flooded roadways run the risk of having their vehicles swept off the road and downstream. Flooding of roadways is also a major concern for emergency response personnel who would have to find alternative routes around any section of road that becomes flooded due to a dam failure.

In addition to concerns about injuries and death, the water released by a dam failure poses the same biological and chemical risks to public health as floodwaters. The flooding that results from a dam failure has the potential to force untreated sewage to mix with floodwaters. The polluted floodwaters then transport the biological contaminants into buildings and basements and onto roads and public areas. If left untreated, the floodwaters can serve as breeding grounds for bacteria

and other disease-causing agents. Even if floodwaters are not contaminated with biological material, basements and buildings that are not properly cleaned can grow mold and mildew, which can pose a health hazard, especially for small children, the elderly, and those with specific allergies.

Flooding from dam failures also can cause chemical contaminants such as gasoline and oil to enter floodwaters if underground storage tanks or pipelines crack and begin leaking during a dam failure event. Depending on the time of year, the water released by a dam failure also may carry away agricultural chemicals that have been applied to farm fields and cause damage to or loss of crops.

What is the level of vulnerability to public health and safety from dam failures?

In terms of the risk or vulnerability to public health and safety from a dam failure, there are several factors that must be taken into consideration including the severity of the event, the capacity of the reservoir and the extent and type of development and infrastructure located downstream. When these factors are taken into consideration, the overall risk to public health and safety posed by a dam failure at the Farmdale & Fondulac Dams is considered to be **low to medium** while the overall risk to public health and safety posed by a dam failure at the Sunset Hills Lake 1 & 2 Dams is considered to be **low**.

Are existing buildings, infrastructure, and critical facilities vulnerable to dam failures?

Yes. **Figure DF-4**, located at the end of this section, provides a **rough estimate** of the buildings, infrastructure, and critical facilities vulnerable to a dam failure from “High” hazard classified dams in Tazewell County.

The EAP for Farmdale & Fondulac Dams included inundation maps and narrative that identified potentially-impacted buildings and infrastructure, as well as time of onset and flood wave depth. As discussed previously, the EAP for Sunset Hills Lake 1 Dam was not provided to the City of Pekin of the Tazewell County Emergency Management Agency and an EAP has not been developed for Sunset Hills Lake 2 Dam. As a result, a data deficiency exists in terms of comprehensively identifying existing buildings, infrastructure, and critical facilities vulnerable to dam failures for these dams.

While detailed information was not available for Sunset Hills Lake 1 & 2 Dams, the Consultant conducted a visual inspection of the areas surrounding the Dam in order to provide an estimate of the number of potentially-impacted buildings, infrastructure, and critical facilities that are vulnerable to a dam failure.

Depending on whether there is a full or partial dam failure, all of the vulnerable buildings, infrastructure, and critical facilities may be inundated by water and structural damage may result. Because some reservoirs are not immense in size, the damage sustained from dam failure flooding may not be to the structure, but to the contents of the buildings or nearby infrastructure and critical facilities.

A majority of the existing buildings, infrastructure, and critical facilities vulnerable to a dam failure from the Farmdale & Fondulac Dams are the same existing buildings, infrastructure, and critical buildings located in the floodway/base floodplain of Farm Creek, and thus vulnerable to

riverine flood events as well. Therefore, existing buildings are required to have flood insurance and any improvements must comply with the East Peoria and Creve Coeur's flood ordinances.

East Peoria does not consider the Farmdale & Fondulac Dams to be a significant risk that needs to be mitigated since they were built as flood protection projects. The total storage for both reservoirs is allocated for flood control. The outlet elevations were selected such that during periods of low flow, the reservoirs would be dry. The operation of the reservoirs is in the interest of local flood control by the reduction of peak discharges in Farm Creek and Fondulac Creek.

The objectives of the reservoir flood control operations are to limit the reservoir outflows during the storage period so that the outflows combined with local runoff below the reservoirs will not exceed the safe channel capacity below the dams; introduce sufficient lag time in peak runoff so that rises in the minor tributaries below the reservoirs will not be synchronized with main stream crests; and to provide warning time for local interests in the flood plain below the reservoirs in the event of floods of such magnitude that spillway discharges will exceed available channel capacity below the reservoirs.

In addition to impacting structures, a dam failure can damage roads and utilities. Roadways, culverts, and bridges can be weakened by dam failure floodwaters and may collapse under the weight of a vehicle. Power and communication lines, both above and below ground, are also vulnerable to dam failure flooding. Depending on their location and the velocity of the water as it escapes the dam, power poles may be snapped causing disruptions to power and communication. Water may also get into any buried lines causing damage and disruptions.

As with public health and safety, the risk or vulnerability to buildings, infrastructure, and critical facilities is dependent on several factors including the severity of the event, the capacity of the reservoir, and the extent and type of development and infrastructure located downstream. When these factors are taken into consideration, the overall risk to existing buildings, infrastructure, and critical facilities posed by a dam failure in Tazewell County is considered to be **low** to **medium** for the Farmdale & Fondulac Dams and **low** for the Sunset Hills Lake 1 & 2 Dams.

Are future buildings, infrastructure, and critical facilities vulnerable to dam failures?

Yes. Any future buildings, infrastructure, and critical facilities located within the flood path of a classified dam are vulnerable to damage from a dam failure. As a result, future buildings, infrastructure, and critical facilities face the same vulnerabilities as those of existing buildings, infrastructure, and critical facilities described previously.

What are the potential dollar losses to vulnerable structures from dam failures?

Unlike other hazards, there are no standard loss estimation models or methodologies for dam failures. Given that there have been no recorded dam failures in Tazewell County, sufficient information was not available to prepare a reasonable estimate of future potential dollar losses to vulnerable structure from a dam failure.

Figure DF-4
Buildings, Infrastructure & Critical Facilities Vulnerable to a Dam Failure from High Hazard Classified Dams

Dam Name	Location	Number of Vulnerable Buildings/Infrastructure			
		Residential	Commercial	Infrastructure	Critical Facilities
Publicly-Owned					
Farmdale	East Peoria	1,074*	- Toledo, Peoria, Western Railway - Tazewell & Peoria Railroad - Interstate 74 on/off ramps between Illinois River & E. Washington St. - US Rte. 24/Main St. - US Rte. 150/Meadow Ave. - IL Rte. 40/W. Washington St. - IL Rte.116/IL Rte. 8/Cedar St. - Main St./Caterpillar Tr./US Rte. 150/US Rte. 24/IL Rte. 116 - IL Rte. 8/E. Washington St. - Edmund St. Clock Tower Dr.		- Central Junior High School - East Peoria Community High School - East Peoria City Hall - James L. Ranney Public Safety Building (Police & Fire Central House) - East Peoria Fire Station 3 - East Peoria City Hall - Morton’s Wastewater Treatment Plant #3 - East Peoria drinking water wells #8 & Catherine - Two power generation substations
Fondulac	East Peoria	1,113*	- Richland St. - Riverside St. - Bass Pro Dr. - Springfield Rd. - Farmdale Rd. - W. Bittersweet Rd. - Oakwood Rd. - Camp St. - various residential streets		- Central Junior High School - East Peoria Community High School - East Peoria Fire Station 3 - Oakwood Drinking Water Treatment Plant - East Peoria drinking water wells #8 & Catherine - One power generation substation
Privately-Owned					
Sunset Hills Lake 1 Dam	Sunset Hills Subdivision (Pekin)	1-3	---	- Highwood Ave - North Lake Dr.	---
Sunset Hills Lake 2 Dam	Sunset Hills Subdivision (Pekin)	8-10	1	- Highwood Ave - Sierra Dr.	---

* Residential/commercial counts provided by the US Army Corps of Engineers and represent the worst case scenario (i.e., Maximum High Pool). The counts provided were describe as residential structures with commercial and industrial intermixed. A breakdown by structure type is not available.

3.13 MAN-MADE HAZARDS

While the focus of this Plan update is on natural hazards, an **overview of selected man-made hazards** has been included. The Committee recognizes that man-made hazards can also pose risks to public health and property. The extent and magnitude of the impacts that result from man-made hazard events can be influenced by natural hazard events. For example, severe winter storms can cause accidents involving trucks transporting hazardous substances. These accidents may lead to the release of these substances, which can result in injury and potential contamination of the natural environment.

Consequently, the Planning Committee decided to summarize the more prominent man-made hazards in Tazewell County. The man-made hazards profiled in this Plan update include:

- ❖ Hazardous Substances
 - Generation
 - Transportation
 - Storage/Handling
- ❖ Hazardous Material Incidents
- ❖ Hazardous Waste Remediation
- ❖ Nuclear Incidents
- ❖ Terrorism
- ❖ Waste Disposal

While the man-made hazards risk assessment does not have the same depth as the natural hazards risk assessment, it does provide useful information that places the various man-made hazards in perspective.

3.13.1 Hazardous Substances

Hazardous substances broadly include any flammable, explosive, biological, chemical, or physical material that has the potential to harm public health or the environment. For the purposes of this Plan, the term hazardous substance includes hazardous product and hazardous waste. A hazardous waste is defined as the byproduct of a manufacturing process that is either listed or has the characteristics of ignitability, corrosivity, reactivity, or toxicity and cannot be reused. A hazardous product is all other hazardous material.

Hazardous substances can pose a public health threat to individuals at their workplace and where they reside. The type and quantity of the substance, the pathway of exposure (inhalation, ingestion, dermal, etc.), and the frequency of exposure are factors that will determine the risk of adverse health effects experienced by individuals. Impacts can range from minor, short-term health issues to chronic, long-term illnesses.

In addition to impacting public health, hazardous substances can also cause damage to buildings, infrastructure, and the environment. Incidents involving hazardous substances can range from minor (scarring on building floors and walls) to catastrophic (i.e., destruction of entire buildings, structural damage to roadways, etc.) and lead to injuries and fatalities. The number of incidents involving hazardous substances in Illinois and across the U.S. every year underscores the need for trained and equipped emergency responders to minimize damages.

Since 1970, significant changes have occurred in regard to how hazardous substances are transported and disposed. Comprehensive regulations and improved safety and industrial hygiene practices have reduced the frequency of incidents involving hazardous substances. Based on the

small number of facilities in Tazewell County that generate and use hazardous substances, the population size, transportation patterns, and land use, the probability of a release occurring in Tazewell County should remain relatively higher compared to other counties in Illinois. The relatively low numbers of transportation incidents should not diminish municipal or county commitment to emergency management.

HAZARD PROFILE – HAZARDOUS SUBSTANCES

The following subsections identify the general pathways – generation, transportation, and storage/handling – by which hazardous substances pose a risk to public health and the environment in Tazewell County.

3.13.1.1 Generation

Tazewell County has 16 facilities that generate reportable quantities of hazardous substances as a result of their operations according to the U.S. Environmental Protection Agency (USEPA) Toxic Release Inventory. **Figure MMH-1**, located at the end of this section, identifies the hazardous substance generators located in Tazewell County and summarizes the substances generated.

Hazardous Substances Fast Facts - Occurrences

Generation

Number of Facilities that Generate Reportable Quantities of Hazardous Substances (2021): **16**

Transportation

Number of Roadway Incidents Involving Hazardous Substance Shipments (2012 - 2021): **13**

Number of Railway Accidents/Incidents Involving Hazardous Substance Shipments (2012 - 2021): **2**

Number of Waterway Accidents/Incidents Involving Hazardous Substance Shipments (2012 - 2021): **5**

Number of Pipeline Incidents Involving Hazardous Substances (2012 - 2021): **None**

Storage/Handling

Number of Facilities that Store/Handle Hazardous Substances (2021): **111**

Number of Facilities that Store/Handle Extremely Hazardous Substances (2021): **49**

3.13.1.2 Transportation

Illinois has the nation's third largest interstate system and third largest inventory of bridges. According to the Illinois Department of Transportation, there were just over 147,000 miles of highways and streets in Illinois in 2021. Most of the truck traffic in Tazewell County is carried on Interstates 74, 155, and 474. Other major roadways that carry truck traffic include U.S. Route 24, US Route 150, Illinois Route 9, Illinois Route 26, Illinois Route 29, Illinois Route 98, Illinois Route 116, and Illinois Route 122.

While this modern roadway system provides convenience and efficiency for commuters, it also aids inter-state and intra-state commerce which includes the transportation of hazardous substances. A Commodity Flow Study to gauge chemical transport was conducted for Tazewell County in 2022.

According to records obtained from the Illinois Emergency Management Agency and Office of Homeland Security (IEMA-OHS), there were 20 recorded roadway incidents involving the shipment of hazardous substances in Tazewell County between 2012 through 2021. **Figure MMH-2** provides information on these incidents.

Figure MMH-2
Roadway Incidents* Involving Shipments of Hazardous Substances
2012 – 2021

Date	Area	Location	Hazardous Product Released	Quantity Released
4/24/2012	Allentown [^]	Allentown Rd (County Rd 1600N) at Prairie Creek	28% Nitrogen solution	Unknown
3/4/2013	Morton	780 W. Birchwood St.	Motor oil	2 gallons
11/9/2013	Delevan [^]	23057 Armington Rd	Anhydrous ammonia	3,000 pounds
3/6/2014	Hopedale [^]	I-155, southbound MP20	Diesel fuel	15 gallons
4/22/2014	East Peoria	I-74, westbound MP97	Anti-freeze & Fertilizer	12 gallons 4,700 gallons
7/10/2015	Hopedale [^]	I-155, MP19	Diesel fuel	120 gallons
3/7/2018	Hopedale [^]	I-155, southbound MP21	Diesel fuel & Milk	Unknown Unknown
10/2/2018	Washington [^]	School St. & Old Mink Farm Rd	Diesel fuel	1 gallon
8/27/2019	Morton	I-155 at Queenswood Rd	Asphalt emulsion	Unknown
6/2/2021	Pekin [^]	13082 East Manito Rd	Diesel fuel	Unknown
7/15/2021	Washington	Knollaire Dr. & S. Summit Rd	Diesel fuel	40 gallons
7/21/2021	Washington	1105 Eagle Ave	Hydraulic fluid	0.5 gallons
11/3/2021	Washington	708 Agnes Dr	Hydraulic fluid	0.25 gallons

* For the purposes of this report a roadway incident is generally defined as an accident/incident that occurs while in the process of transporting a hazardous substance(s) on a highway, roadway, access drive, field entrance, rest area or parking lot. Vehicles that experience a release while refueling are not considered roadway incidents but are instead considered fixed facility incidents.

[^] Accident verified in the vicinity of this area.

Source: Illinois Emergency Management Agency, Hazardous Materials Incident Reports

Railways

Illinois' rail system is the country's second largest, with the East St. Louis and Chicago terminals being two of the busiest in the nation. In Tazewell County, there are three Class I rail lines operated by Canadian National Railway, Norfolk Southern Railway, and Union Pacific Railroad. According to the Association of American Railroads, 3,796,300 carloads (125.9 million tons) of freight originated in Illinois in 2019 (the latest year for which data is available). Chemicals accounted for 101,100 carloads (9.7 million tons) or 2.8% of the total freight handled. In comparison, 27,549,000 carloads of freight originated in the U.S. in 2019 with approximately 2,014,000 carloads (7.1%) involved in the transport of chemicals.

The Illinois Commerce Commission (ICC) is required to maintain records on railway accidents/incidents that involve hazardous substances. Their records are divided into three categories. These three categories are described in **Figure MMH-3**.

Figure MMH-3 ICC Hazardous Substances Railroad Accident/Incidents Classification Categories	
Category	Description
A	railroad derailments resulting in the release of the hazards substance(s) being transported
B	railroad derailments where hazards substance(s) were being transported but no release occurred
C	releases of hazardous substance(s)s from railroad equipment occurred; however, no railroad derailment was involved

Since 2012, there have been two rail accidents involving hazardous substances in Tazewell County according to the ICC. In comparison, ICC records indicate that since 2012 the annual number of railway accidents in Illinois involving hazardous substances has ranged between 45 and 122. **Figure MMH-4** provides a breakdown by category of the ICC-recorded railway accidents/incidents involving hazardous substances. Included is a comparison of the number of accidents/incidents in Tazewell County to those in Cook and the Collar Counties as well as the rest of Illinois.

Figure MMH-4 ICC Recorded Railway Accidents/Incidents Involving Hazardous Substances 2012 – 2021 (Sheet 1 of 2)					
Year	Category	Accident/Incident Location			
		Illinois	Tazewell County	Cook & Collar Counties	All Other Counties
2012	A	4	0	2	2
	B	13	0	11	2
	C	73	0	42	31
2013	A	5	0	3	2
	B	23	0	16	7
	C	82	0	51	29
2014	A	2	0	2	0
	B	36	0	22	14
	C	84	0	40	43
2015	A	4	0	3	1
	B	27	0	15	12
	C	69	1	36	31
2016	A	4	0	1	3
	B	14	0	6	8
	C	65	0	33	29
2017	A	2	1	1	1
	B	14	0	9	5
	C	69	0	34	33
2018	A	1	0	0	1
	B	8	0	4	4
	C	55	0	24	31
2019	A	6	0	4	2
	B	6	0	4	2
	C	33	0	12	21

Figure MMH-4 ICC Recorded Railway Accidents/Incidents Involving Hazardous Substances 2012 – 2021 (Sheet 2 of 2)					
Year	Category	Accident/Incident Location			
		Illinois	Tazewell County	Cook & Collar Counties	All Other Counties
2020	A	4	0	2	2
	B	7	0	5	2
	C	46	0	30	16
2021	A	4	0	2	2
	B	31	0	16	15
	C	29	0	13	16

Source: Illinois Commerce Commission.

The top 20 hazardous substances moved by rail through Illinois include: sodium hydroxide, petroleum gases (liquefied), sulfuric acid, anhydrous ammonia, chlorine, sulfur, vinyl chloride, propane, fuel oil, denatured alcohol, methanol, gasoline, phosphoric acid, hydrochloric acid, styrene monomer, carbon dioxide (refrigerated liquid), ammonium nitrate, sodium chlorate, and diesel fuel.

Waterways

According to IEMA-OHS's hazardous materials incident records for 2012 through 2021, there were five waterway accidents/incidents involving the release of hazardous substances. **Figure MMH 5** provides information on these incidents.

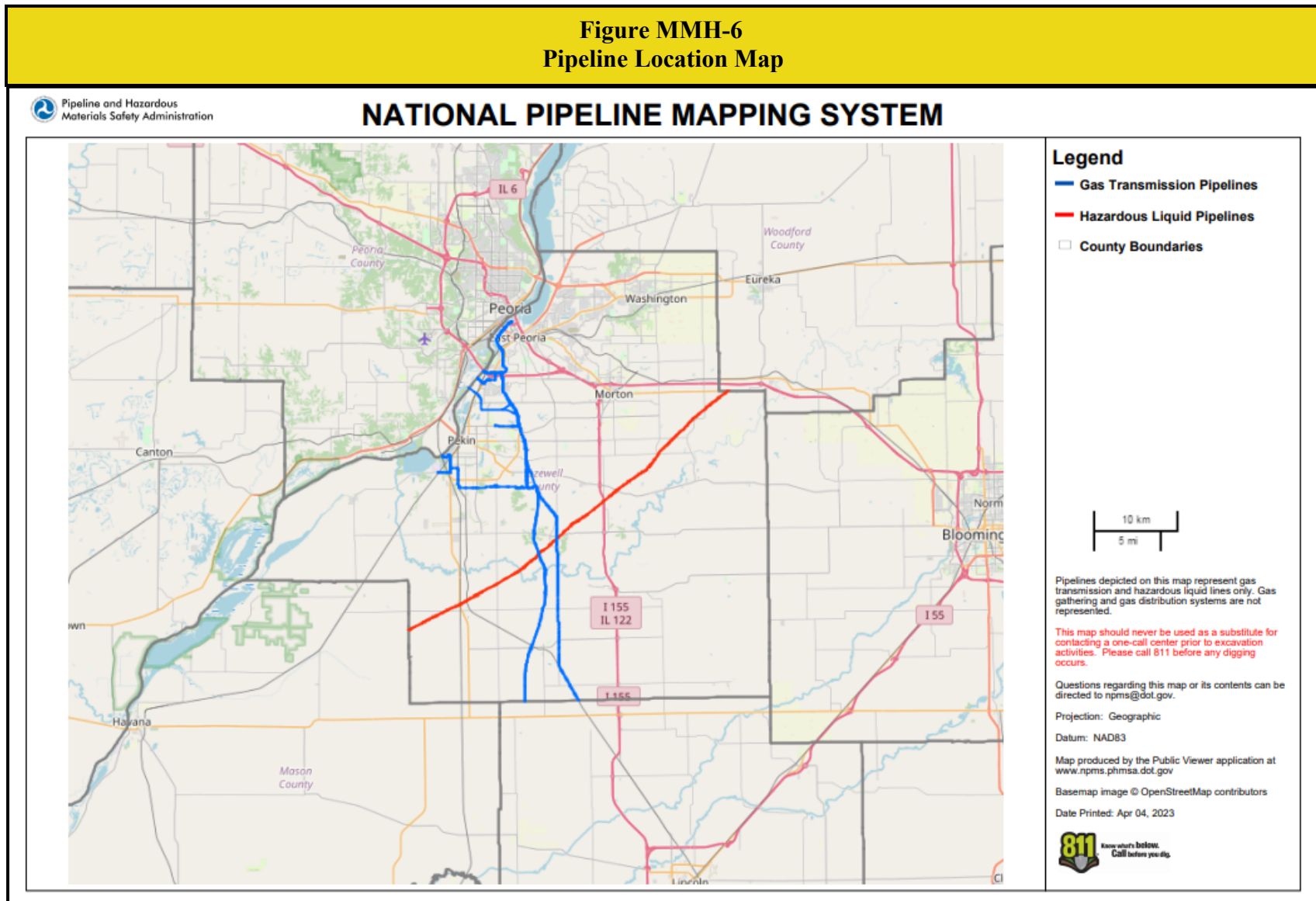
Figure MMH-5 Recorded Waterway Accidents/Incidents Involving Hazardous Substances 2012 - 2021				
Date	Area	Location	Hazardous Substance Released	Quantity Released
2/2/2012	Creve Coeur	Illinois River MP 159	Diesel fuel	25 gallons
5/10/2013	Creve Coeur	Illinois River MP 158	Diesel fuel	50-75 gallons
7/22/2013	Pekin	Lake Arlen	Hydraulic fluid	1 gallon
9/24/2013	Creve Coeur	Illinois River MP 157.6	Diesel fuel	5 gallons
1/17/2017	Creve Coeur	Illinois River MP 159.1	Bilge oil residue	Unknown

Source: Illinois Emergency Management Agency, Hazardous Materials Incident Reports.

Pipelines

Energy gases (natural gas and liquefied petroleum gas), petroleum liquids (crude oil and gasoline), and liquid and gas products used in industrial processes are carried in above-ground and buried pipelines across Illinois. In Tazewell County, there are 10 major pipelines that carry natural gas, seven operated by Ameren Illinois and three operated by Panhandle Eastern Pipeline. There are two major pipelines, both operated by CCPS Transportation, LLC, for carrying crude oil, gasoline, or hazardous liquids, which cross the County from southwest to northeast. ***There have been no natural gas pipeline release or hazardous liquids pipeline releases in Tazewell County during the 10-year period from 2012 through 2021.*** **Figure MMH-6** shows the pipelines in Tazewell County.

**Figure MMH-6
Pipeline Location Map**



There have been several high-profile incidents across the U.S., including one in Illinois, that have raised public concerns about our aging pipeline infrastructure. The following provides a brief description of each incident.

- On July 26, 2010, a 30-inch liquid product pipeline rupture near Marshall, Michigan and released at least 840,000 gallons of oil into a creek that led to the Kalamazoo River, a tributary of Lake Michigan.
- On September 9, 2010, another pipeline release received national attention. A 34-inch liquid product pipeline in the Chicago suburb of Romeoville, Illinois released more than 360,000 gallons of crude oil that flowed through sewers and into a retention pond narrowly avoiding the Des Plaines River. This release triggered numerous odor complaints from residents in the adjacent municipalities of Lemont and Bolingbrook. The property damage/cleanup costs were estimated at \$46.6 million.
- Also, on September 9, 2010, a 30-inch-high pressure natural gas pipeline ruptured in the San Francisco suburb of San Bruno, California that resulted in an explosion that killed
- eight people, injured 51, destroyed over 30 homes and damaged an entire neighborhood. The property damage was estimated at around \$55 million.
- On March 12, 2014, a gas main rupture in Manhattan, New York resulted in an explosion that killed eight people and leveled two multi-use, five story buildings.
- On May 19, 2015, a 24-inch liquid product pipeline ruptured near Refugio State Beach in Santa Barbara County, California and released approximately 100,000 gallons of crude oil. The release occurred along a rustic stretch of coastline that forms the northern boundary of the Santa Barbara Channel, home to a rich array of sea life. Oil ran down a ravine and entered the Pacific Ocean, blackening area beaches, creating a 9-mile oil slick and impacting birds, marine mammals, fish, and coastal and subtidal habitats.

Continual monitoring and maintenance of these pipelines is necessary to prevent malfunctions from corrosion, aging, or other factors that could lead to a release. In addition to normal wear and tear experienced by pipelines, the possibility of sabotage and seismic activity triggering a release must be considered when contemplating emergency response scenarios.

3.13.1.3 Storage/Handling

Beyond knowing where hazardous substances are generated and the methods and routes used to transport them, it is important to identify where hazardous substances are handled and stored. This information will help government officials and emergency management professionals make informed choices on how to better protect human health, property and the environment and what resources are needed should an incident take place.

Records obtained from IEMA-OHS's Tier II database were used to gather information on the facilities that generate, use and store chemicals in excess of reportable threshold quantities within Tazewell County. The Tier II information was then compared with USEPA's Toxic Release Inventory (TRI) and information from Illinois Environmental Protection Agency (IEPA) databases. This review identified 111 facilities within Tazewell County in 2021 that store and handle hazardous substances.

Of these 111 facilities, 49 reported the presence of Extremely Hazardous Substances (EHSs) at their facilities. An EHS is any USEPA-identified chemical that could cause serious, irreversible health effects from an accidental release. There are approximately 400 chemicals identified as EHSs. Stationary sources that possess one or more of these substances at or above threshold reporting quantities are required to notify IEMA-OHS.

3.13.2 Waste Disposal

Waste disposal has caused surface water and ground water contamination in Illinois and across the U.S. Beginning in the late 1970s substantial regulatory changes strengthened the design, operating and monitoring requirements for landfills where the majority of waste is disposed. These regulatory changes have helped reduce the public health threat posed by landfills.

HAZARD PROFILE – WASTE DISPOSAL

The following subsections identify the general pathways – solid, medical, and hazardous – by which waste disposal poses a risk to public health and the environment in Tazewell County.

3.13.2.1 Solid Waste

While recycling activities have reduced the amount of solid waste (waste generated in households), the majority continues to be disposed of in landfills. As of 2021, there were 36 landfills operating in Illinois.

According to IEPA's Annual Landfill Capacity Report issued in July 2022, there was one commercial landfill that operates in Tazewell County, Indian Creek Landfill Number 2 in Hopedale.

There is currently one additional landfill that serves Tazewell and the adjacent counties, the Peoria City/County Landfill #2 (Peoria County.)

Waste Disposal Fast Facts - Occurrences

Solid Waste

Number of Solid Waste Landfills Operating in Tazewell County (2021): **1**

Number of Landfills Serving Tazewell and adjacent counties (2021): **1**

Potentially-Infectious Medical Waste (PIMW)

Number of Facilities within the County Permitted to Handle PIMW: **None**

Hazardous Waste

Number of Commercial Off-Site Hazardous Waste Treatment or Disposal Facilities located in the County: **None**

3.13.2.2 Potentially- Infectious Medical Waste

Potentially-Infectious Medical Waste (PIMW) is generated in connection with medical research; biological testing; and the diagnosis, treatment or immunization of human beings or animals. PIMW is typically generated at hospitals, nursing homes, medical or veterinary clinics, dental offices, clinical or pharmaceutical laboratories, and research facilities. According to IEPA's list of permitted PIMW Facilities, there are no facilities permitted to accept medical waste for disposal in Tazewell County.

3.13.2.3 Hazardous Waste

A hazardous waste is defined as the byproduct of a manufacturing process that is either listed or has the characteristics of ignitability, corrosivity, reactivity, or toxicity and cannot be reused. According to IEPA's Storage, Treatment, Recycling, Incinerating, Transfer Stations, and

Processing list, there are currently no off-site hazardous waste treatment or disposal facilities located in Tazewell County.

3.13.3 Hazardous Material Incidents

A hazardous material or hazmat incident refers to any accident involving the release of hazardous substances, which broadly include any flammable, explosive, biological, chemical, or physical material that has the potential to harm public health or the environment. These incidents can take place where the substances are used, generated, or stored or while they are being transported. In addition, hazmat incidents also include the release of hazardous substances, such as fuel, used to operate vehicles. These releases can be the result of an accident or a leak.

HAZARD PROFILE – HAZARDOUS MATERIALS INCIDENTS

From 2012 to 2021, there were 103 hazmat incidents recorded in Tazewell County. Of these incidents, 21 (20%) involved transportation incidents or accidents while 82 (80%) occurred at fixed facilities. Sixteen (16) of the 21 (76%) transportation incidents or accidents involved petroleum-based products.

Hazmat Incident Fast Facts - Occurrences

Number of Hazardous Material Incidents in Tazewell County (2013 - 2022): **103**

Number of Transportation-Related Incidents/Accidents: **21**

Number of Fixed Facility-Related Incidents/Accidents: **82**

Average Number of Hazardous Material Incidents

Experienced Annually: **10**

Based on the recorded incidents, Tazewell County experienced an average of 10 hazmat incidents annually from 2012 through 2021. The types of existing industries; the major transportation corridors through the County, which include interstate and Illinois highways, rail, and pipeline; and chemical use within and adjacent to the County suggest that hazmat incidents are likely to continue to take place at the rate reflected in the 10-year study period. Constant vigilance, proper training and equipment, and prompt response are needed to minimize the potential impacts of each incident.

3.13.4 Waste Remediation

The improper disposal or containment of special and hazardous waste through the years has led to soil, groundwater, and surface water contamination of sites across the U.S. In order to safeguard human health and the environment, these contaminants must be removed or neutralized so they cannot cause harm. This process is known as waste remediation.

HAZARD PROFILE – WASTE REMEDIATION

In Illinois, waste remediation is handled through several programs including the federal Superfund program, the State Response Action Program, the state Site Remediation Program, and the Leaking Underground Storage Tanks Program. The following provides a brief description of each.

Superfund (CERCLA) Program/
National Priorities List

Superfund is a USEPA-led program to clean up sites within the U.S. contaminated by hazardous waste that has been dumped, left out in the open, or otherwise improperly managed and which pose a risk to human health and/or the environment. Sites of national priority among the known or threatened releases of hazardous substances, pollutants or contaminants throughout the U.S. and its territories are identified on the National Priorities List (NPL). Those sites that pose the largest threat to public health and the environment are typically found on the NPL.

Waste Remediation Fast Facts - Occurrences

Superfund

Number of Superfund Sites in the County: **0**

Illinois Site Response Action Program

Number of SRAP Sites in the County: **5**

Illinois Site Remediation Program

Number of SRP Sites in the County: **24**

Number of SRP Sites with NFR/4Y Letters: **21**

Illinois Leaking Underground Storage Tanks Program

Number of LUST Sites in County: **269**

Number of LUST Sites with NFR/Non-LUST/4Y Letters: **144**

According to the NPL database, there are 45 Superfund sites in Illinois. There are no Superfund sites in Tazewell County.

State Response Action Program (SRAP)

The main objective of the State Response Action Program (SRAP) is to clean up hazardous substances at sites that present an imminent and substantial threat to human health and the environment, but which may not be addressed by other federal or state cleanup programs. The sites handled by the SRAP include abandoned landfills, old manufacturing plants, former waste oil recycling operations, contaminated agricultural facilities, and other areas where surface water, groundwater, soil, and air may be contaminated with hazardous substances. Since the mid-1980s, cleanup activities have been conducted at more than 500 sites in Illinois through this Program. Once the threat to human health and the environment has been mitigated, some sites are transferred to other state cleanup programs to complete remediation activities.

There are five SRAP sites in Tazewell County, four of which have either completed the program or been transferred to another program.

Illinois Site Remediation Program (SRP)

The Site Remediation Program (SRP) is a voluntary cleanup program that provides applicants the opportunity to receive technical assistance in determining what course of action is needed to remediate sites where hazardous substances, pesticides, or petroleum may be present. The goal of the SRP is to receive a no further remediation determination from IEPA. Most site remediation in Illinois is handled through this Program. Since the mid-1980s, remediation activities have been conducted and monitored at approximately 5,800 sites in Illinois. Properties that satisfy respective IEPA laws and regulations can receive a No Further Remediation (NFR) letter. They must demonstrate, through proper investigation and, when warranted, remedial action, that environmental conditions at their remediation site do not present a significant risk to human health or the environment. This letter describes what remediation activities have been taken and whether any portion of the property, based on future property use, might need additional remediation.

There are 24 SRP sites in Tazewell County. Twenty-one (21) of the 24 SRP sites (88%) have received NFR or 4Y letters. The remaining three sites do not pose an immediate threat to public health or the environment.

Leaking Underground Storage Tank Program (LUST)

The Leaking Underground Storage Tanks Program (LUST) oversees remedial activities associated with petroleum product releases from underground storage tanks (UST). This program began in the late 1980s as a result of the threats posed by vapors in homes and businesses, contaminated groundwater, and contaminated soil. In Illinois, more than 14,500 acres of soil contaminated by leaking underground tanks have been remediated between 1988 and 2010 (the most recent year for which data was available).

In Tazewell County, there are 269 sites involving the remediation of petroleum product releases from underground storage tanks. Of the 269 LUST sites, 144 (54%) have received NFR letters, other clearance letters, or remediation is virtually complete.

3.13.5 Nuclear Incidents

The term “nuclear incident” refers to the release of significant levels of radioactive material or exposure of the general public to radiation. This section does not address the intentional or malicious release of radioactive materials as a result of a terrorism activity. Exposure to dangerous levels of radiation can have varying health effects on people and animals. Impacts range from minor health issues to fatal illnesses.

HAZARD PROFILE – NUCLEAR INCIDENTS

In Tazewell County, residents could be exposed to radioactive material and/or radiation from a nuclear incident that occurs at the Clinton Generating Station located in DeWitt County.

There have been no nuclear incidents and therefore no injuries or damages associated with any of the nuclear power facilities or the transportation of spent nuclear fuel rods through Tazewell County.

Nuclear Incidents Fast Facts - Occurrences

Number of Nuclear Power Facilities in the County: **None**

Number of Nuclear Power Facilities near the County: **1**

Emergency Planning Zones

Are there Areas in the County within the 10-mile Critical Risk Zone of any Nuclear Power Facilities? **No**

Are there Areas in the County within the 50-mile Pathway Zone of any Nuclear Power Facilities? **Yes (most of the County is in this zone for the Clinton facility)**

Number of Incidents Impacting the County: **None**

3.13.5.1 Power Facilities

Commercial nuclear facilities constructed in the U.S. should withstand most natural hazards such as tornadoes and severe storms that frequently occur in Illinois. Nonetheless, IEMA-OHS has developed a Radiological Emergency Response Plan in cooperation with other state and local governments. Procedures are in place and exercises are conducted with state and local officials to protect the public in the unlikely event of a nuclear emergency. There is one nuclear energy generating stations relatively close to Tazewell County operated by Constellation Energy. **Figure**

MMH-7 identifies the facilities, their locations, and their respective distances to the Tazewell County border.

Figure MMH-7 Nuclear Generating Stations Near Tazewell County		
Nuclear Generating Station Name	Location	Distance to Tazewell County Border
Clinton Generating Station	6 miles east-northeast of Clinton DeWitt County	25 miles

An Emergency Planning Zone (EPZ) around each nuclear facility is assessed to estimate potential damages to the public and critical infrastructure. EPZs typically include a 10-mile Critical Risk Zone and a 50-mile Ingestion Pathway Zone. Ingestion refers to radiation that might enter a person's body. While none of Tazewell County falls within the 10-mile Critical Risk Zone for the Clinton Generating Station. Most of the County falls within the 50-mile Ingestion Pathway Zone for this Station. **Figure MMH-8** identifies the locations that fall within these zones.

Figure MMH-8 Locations within Emergency Planning Zones		
Nuclear Generating Station Name	Areas within 10-Mile Critical Risk Zone	Areas within 50-Mile Ingestion Pathway Zone
Clinton Generating Station	none	Most of the County, except Spring Lake Township and portions of Sand Prairie, Cincinnati, Pekin, Groveland, and Fondulac Townships

The consequences associated with a release at any nuclear power facility would depend on the magnitude of the accident and the prevailing weather conditions. A significant incident might require individuals to stay indoors or to evacuate to temporary relocation centers. Temporary relocation centers have been established for Tazewell County residents should a significant event requiring evacuation occur at the nearby nuclear power facility.

To protect the food supply, persons owning livestock may be advised to remove all livestock from pasture, shelter if possible, and provide them with stored feed and protected water. The American Nuclear Insurers (ANI) Company provides insurance to cover the Exelon Corporation's legal liability up to the limits imposed by the Price-Anderson Act, for bodily injury and property damage such as the loss of livestock and crops caused by a nuclear energy incident at the Clinton Generating Station.

No nuclear power facilities have had any incidents that have impacted Tazewell County. The probability of an incident causing off-site impacts appears low.

3.13.5.2 Transportation of Spent Nuclear Fuel Rods by Railway

The protocol for moving spent nuclear fuel rods from nuclear power plants requires that the train be stopped and inspected before moving through Illinois and that it be escorted as it moves through the State. Inspection of the track ahead of the train is also required to reduce the risk of derailment.

While movement of nuclear material has been minimal as the U.S. grapples with the issue of developing national or regional repositories, more rail movement is anticipated in the future. At the present time, the nuclear power facility previously mentioned is storing spent fuel rods on-site. If a national or regional repository is established, then the spent fuel rods will be moved off-site. According to the Illinois Commerce Commission, there has never been a railway transportation accident resulting in the release of radioactive material; however, widespread concern remains regarding its safe transportation.

3.13.6 Terrorism

Terrorism has different definitions across the globe. For the purpose of this Plan, terrorism will be defined as any event that includes violent acts which threaten, or harm lives, health or property conducted by domestic or foreign individuals or groups aimed at civilians, the federal government or symbolic locations intended to cause widespread fear.

HAZARD PROFILE – TERRORISM

The attack on the World Trade Center and the Pentagon on September 11, 2001 by foreign terrorists galvanized national action against terrorism and resulted in the creation of the U.S. Department of Homeland Security. While the number of terrorist activities garnering national attention in the U.S. has been relatively small, approximately 201,183 terrorist events have occurred worldwide between 1970 and 2019, according to the National Consortium for the Study of Terrorism and Responses to Terrorism (the Consortium). During this same time span, the Consortium documented 3,004 terrorist events within the U.S.

Terrorism Fast Facts – Occurrences*

Number of Recorded Terrorism Events Worldwide (1970 – 2019): **201,183**

Number of Recorded Terrorism Events in the U.S. (1970 – 2019): **3,004**

Number of Recorded Terrorism Events in Illinois (1970 – 2019): **117**

* Based on data from the National Consortium for the Study of Terrorism and Responses to Terrorism (START) Global Terrorism Database.

Acts of terrorism have resulted in fatalities and injuries as a result of kidnappings, hijackings, bombings, and the use of chemical and biological weapons. The Global Terrorism Database has documented 3,633 American fatalities in the U.S. between 1995 and 2019 from terrorist attacks. The attacks on September 11, 2001 account for 3,001 of the 3,633 fatalities. A search of the Global Terrorism Database identified 117 incidents of terrorism in Illinois between 1970 and 2019. These incidents resulted in six fatalities and 38 injuries.

The Federal Bureau of Investigation’s (FBI) provides supporting documentation on domestic terrorist attacks in a series of reports on terrorism. These reports provide a chronological summary of terrorist incidents in the U.S. with detailed information on attacks between 1980 and 2005. During this time period, 192 incidents were documented within the U.S. Six of these incidents occurred in Illinois; five in the Chicago area and one downstate.

On September 24, 2009, a single individual from Macon County sought to carry out his anger at the federal government by detonating a van filled with explosive outside of the Federal Courthouse in Springfield. This attempt was thwarted by the FBI.

On May 16, 2018 at around 8:00 a.m., 19-year-old boy, armed with a 9-mm semi-automatic rifle, fired several shots near the Dixon High School Gymnasium where approximately 180 students were practicing for graduation. The school's resource officer confronted the shooter, who fled from the school on foot. The shooter fired several shots at the resource officer, who returned fire, wounding the shooter in the shoulder. The gunman suffered non-life threatening injuries. No students or staff were injured in the incident. Faculty and staff barricaded doors and took cover as the incident unfolded.

More recently an active shooter incident occurred at the Highland Park Independence Day parade on July 4, 2022. A 22-year-old man, armed with a semi-automatic rifle, gained access to the roof of a building along the parade route and opened fire on spectators and those in the parade killing seven individuals and wounding an additional 48 individuals. The shooter evaded immediate capture and fled the scene but was apprehended later the same day. He confessed to the shooting and is being held without bail as he awaits trial.

It is impossible to predict with any reasonable degree of accuracy how many terrorism events might be expected to occur in Tazewell County or elsewhere in Illinois. Although targets for terrorist activity are more likely centered in larger urban areas, recruitment, training, and other support activities, such as the ones described above, have occurred in rural areas.

The economic resources available to some terrorist groups coupled with the combination of global tensions, economic uncertainty and frustration towards government appear to have recently raised the frequency of attempts. Enhanced efforts by law enforcement officials and civilian vigilance for unusual activity or behavior will be needed to repel terrorists whether they are domestic or foreign in origin.

Figure MMH-1
Generators of Solid & Liquid Hazardous Substances – 2021
(Sheet 1 of _)

Name	Hazardous Substances Generated	Amount Generated (Pounds)
East Peoria		
Caterpillar East Peoria.	Ammonia	48,624
	Chromium compounds	0
	Ethylene glycol	0
	Manganese compounds	383
	Nickel	0
	Total:	49,007
Morton		
Bradley Services, Inc.	Chromium	0
	Copper	0
	Lead compounds	0
	Manganese	19
	Nickel	0
	Propylene	2
	Total:	21
Matcor Metal Fabrication Birchwood	Manganese	759
	Total:	759
Matcor Metal Fabrication Detroit Ave.	Manganese	74
	Total:	74
Morton Industries, LLC.	Chromium	0
	Copper	0
	Lead	0
	Manganese	19
	Nickel	0
	Propylene	10
	Total:	29
Parker Hannifin Corp	Lead	0
	Total:	0
VCNA Prairie, LLC	Lead	0
	Nitrate compounds	0
	Total:	0
Whitcraft Morton	Chromium	1
	Nickel	1
	Total:	2
Pekin		
FLSmith	Copper	103
	Lead	107
	Nickel	0
	Total:	210

Figure MMH-1
Generators of Solid & Liquid Hazardous Substances – 2021
(Sheet 2 of 3)

Name	Hazardous Substances Generated	Amount Generated (Pounds)
Pekin Continued...		
Hanna Steel Corp.	1,2,4-Trimethylbenzene	255
	Certain glycol ethers	255
	Chromium compounds	0
	Nickel	0
	Total:	510
Messer, LLC	Ammonia	5,890
	Total:	5,890
Ox Paperboard Illinois, LLC	Lead	1
	Total:	1
Pacific Ethanol Pekin, LLC	Acetaldehyde	115,948
	Acrolein	1,781
	Ammonia	438
	Benzene	59
	Cyclohexane	43
	Ethylbenzene	8
	Formaldehyde	8,202
	Formic acid	4,182
	Methanol	5,070
	Nitrate compounds	95,418
	Toluene	58
	Xylenes	26
	n-Hexane	10,812
	Tert-Butyl alcohol	10
	Total:	242,055
Powerton Generating Station	Ammonia	1,394
	Barium compounds	2,430
	Copper compounds	155
	Hydrogen fluoride	12,210
	Lead compounds	60
	Manganese compounds	1,188
	Mercury compounds	15
	Vanadium compounds	119
	Total:	17,571
Winpak Heat Seal Corp.	Certain glycol ethers	98
	Total:	98
Washington		
BTD Manufacturing, Inc.	Chromium	0
	Manganese	0
	Nickel	0
	Propylene	10
	Total:	10

Source: U.S. Environmental Protection Agency, TRI Explorer, Releases: Facility Report.

4.0 MITIGATION STRATEGY

The mitigation strategy identifies how participating jurisdictions are going to reduce or eliminate the potential loss of life and property damage that results from the natural hazards identified in the Risk Assessment section of this Plan. The strategy includes:

- Reviewing, re-evaluating, and updating the mitigation goals. Mitigation goals describe the objective(s) or desired outcome(s) that the participants would like to accomplish in terms of hazard and loss prevention. These goals are intended to reduce or eliminate long-term vulnerabilities to natural hazards.
- Evaluating the status of the existing mitigation actions and identifying a comprehensive range of jurisdiction-specific mitigation actions including those related to continued compliance with the National Flood Insurance Program (NFIP). Mitigation actions are projects, plans, activities, or programs that achieve at least one of the mitigation goals identified.
- Analyzing the existing and new mitigation actions identified for each jurisdiction. This analysis ensures each action will reduce or eliminate future losses associated with the hazards identified in the Risk Assessment section.
- Reviewing, re-evaluating, and updating the mitigation actions prioritization methodology. The prioritization methodology outlines the approach used to prioritize the implementation of each identified mitigation action.
- Identifying the entity(s) responsible for implementation and administration. For each mitigation action, the entity(s) responsible for implementing and administering that action is identified as well as the timeframes for completing the actions and potential funding sources.
- Conducting a preliminary cost/benefit analysis of each mitigation action. The qualitative cost/benefit analysis provides participants a general idea of which actions are likely to provide the greatest benefit based on the financial cost and staffing efforts needed.

As part of the Plan update, the mitigation strategy was reviewed and revised. A detailed discussion of each aspect of the mitigation strategy and any updates made is provided below.

4.1 MITIGATION GOALS REVIEW

As part of the Plan update process, the mitigation goals from the previous Plan were reviewed and re-evaluated. The previous list of mitigation goals was distributed to the Committee members at the first meeting on January 31, 2023. Members were asked to review the list before the second meeting and consider whether any changes needed to be made or if additional goals should be included. At the Committee's April 25, 2023 meeting the group discussed the previous list of goals and approved them with no changes. **Figure MIT-1** lists the approved mitigation goals.

Figure MIT-1 Mitigation Goals	
Goal 1	Educate people about the natural hazards they face and the ways they can protect themselves, their homes, and their businesses from those hazards.
Goal 2	Protect the lives, health, and safety of the people and animals in the County from the dangers of natural hazards.
Goal 3	Protect existing infrastructure and design new infrastructure (roads, bridges, utilities, water supplies, sanitary sewer systems, etc.) to be resilient to the impacts of natural hazards.
Goal 4	Incorporate natural hazard mitigation into community plans, regulations and activities.
Goal 5	Place a priority on protecting public services, including critical facilities, utilities, roads and schools.
Goal 6	Preserve and protect the rivers and floodplains in our County.
Goal 7	Ensure that new developments do not create new exposures to damage from natural hazards.
Goal 8	Protect historic, cultural, and natural resources from the effects of natural hazards.

4.2 EXISTING MITIGATION ACTIONS REVIEW

The Plan update process included a review and evaluation of the **existing hazard mitigation actions** listed in the previous Plan. Each jurisdiction who chose to participate in the Plan update was provided a copy of their previous list of existing mitigation actions at the first meeting held on January 31, 2023. They were asked to identify those actions that were either in progress or that had been completed since the previous Plan was completed in 2019.

Figures MIT-2 through MIT-8, located at the end of this section, summarize the results of this evaluation by jurisdiction. None of the participants identified changes in priorities since the previous Plan was approved. El Paso and Minonk did not participate in the previous Plan update and therefore are not included in the summary.

4.3 NEW MITIGATION ACTION IDENTIFICATION

Following the review and evaluation of the existing mitigation actions, the Committee members were asked to consult with their respective jurisdictions to identify **new, jurisdiction-specific mitigation actions**. Instead of focusing on all-inclusive actions covering multiple jurisdictions, participants were asked to identify mitigation actions that met the specific needs and risks associated with their jurisdiction.

Representatives of Tazewell County, Creve Coeur, East Peoria, Morton, Pekin, Tremont, and Washington were also asked to identify mitigation actions that would ensure their continued compliance with the National Flood Insurance Program. The compiled lists of new mitigation actions were then reviewed to assure the appropriateness and suitability of each action. Those actions that were not deemed appropriate and/or suitable were either reworded or eliminated.

4.4 MITIGATION ACTION ANALYSIS

Next, those existing mitigation actions retained, and the new mitigation actions identified were assigned to one of four broad mitigation activity categories that allowed Committee members to compare and consolidate similar actions. **Figure MIT-9** identifies each mitigation activity category and provides a brief description.

Figure MIT-9 Types of Mitigation Activities	
Category	Description
Local Plans & Regulations (LP&R)	Local Plans & Regulations include actions that influence the way land and buildings are being developed and built. Examples include stormwater management plans, floodplain regulations, capital improvement projects, participation in the NFIP Community Rating System, comprehensive plans, and local ordinances (i.e., building codes, etc.)
Structure & Infrastructure Projects (S&IP)	Structure & Infrastructure Projects include actions that protect infrastructure and structures from a hazard or remove them from a hazard area. Examples include acquisition and elevation of structures in flood prone areas, burying utility lines to critical facilities, construction of community safe rooms, install “hardening” materials (i.e., impact resistant window film, hail resistant shingles/doors, etc.) and detention/retention structures.
Natural System Protection (NSP)	Natural System Protection includes actions that minimize damage and losses and also preserve or restore natural systems. Examples include sediment and erosion control, stream restoration and watershed management.
Education & Awareness Programs (E&A)	Education & Awareness Programs include actions to inform and educate citizens, elected officials and property owners about hazards and the potential ways to mitigate them. Examples include outreach/school programs, brochures, and handout materials, becoming a StormReady community, evacuation planning and drills, and volunteer activities (i.e., culvert cleanout days, initiatives to check in on the elderly/disabled during hazard events such as storms and extreme heat events, etc.)

Each mitigation action was then analyzed to determine:

- the hazard or hazards being mitigated;
- the general size of the population affected (i.e., small, medium, or large), the participant’s Social Vulnerability Index (SVI) ranking, as well as the participant’s status as an Economically Disadvantaged Rural Community (EDRC);
- the goal or goals fulfilled;
- whether the action would reduce the effects on new or existing buildings and infrastructure; and
- whether the action would ensure continued compliance with the National Flood Insurance Program.

Each mitigation action was also evaluated to determine whether it would mitigate risk to one or more of FEMA’s seven Community Lifelines. Community Lifelines are the most fundamental services in the community that, when stabilized, enable all aspects of society to function. These fundamental services enable the continuous operation of critical government and business functions essential to human health and safety or economic security. The Community Lifelines include Safety & Security; Food, Water, Shelter; Health & Medical; Energy (Power & Fuel); Communications; Transportation; and Hazardous Materials. **Figure MIT-10** provides a brief description of each Community Lifeline.

**Figure MIT-10
Community Lifelines**

Category	Components/Subcomponents
Safety & Security	- Law Enforcement/Security (police stations, law enforcement, site security, correctional facilities) - Fire Service (fire stations, firefighting resources) - Search & Rescue (local search & rescue) - Government Service (emergency operation centers, essential government functions, government offices, schools, public records, historic/cultural resources) - Community Safety (flood control, other hazards, protective actions)
Food, Water, Shelter	- Food [commercial food distribution, commercial food supply chain, food distribution programs (e.g., food banks)] - Water [drinking water utilities (intake, treatment, storage & distribution), wastewater systems, commercial water supply chain]; - Shelter [housing (e.g., homes, shelters), commercial facilities (e.g., hotels)]; - Agriculture (animals & agriculture)
Health & Medical	- Medical Care (hospitals, dialysis, pharmacies, long-term care facilities, VA health system, veterinary services, home care) - Patient Movement (emergency medical services) - Fatality Management (mortuary and post-mortuary services) - Public Health (epidemiological surveillance, laboratory, clinical guidance, assessment/interventions/treatments, human services, behavioral health) - Medical Supply Chain [blood/blood products, manufacturing (e.g., pharmaceutical, device, medical gases), distribution, critical clinical research, sterilization, raw materials]
Energy	- Power Grid (generation systems, transmission systems, distribution systems) - Fuel [refineries/fuel processing, fuel storage, pipelines, fuel distribution (e.g., gas stations, fuel points), off-shore oil platforms]
Communications	- Infrastructure [wireless, cable systems and wireline, broadcast (e.g., TV and radio), satellite, data centers/internet] - Alerts, Warnings, & Messages (local alert/warning ability, access to IPAWS, NAWAS terminals) - 911 & Dispatch (public safety answering points, dispatch) - Responder Communications (LMR networks) - Finance (banking services, electronic payment processing)
Transportation	- Highway/Roadway/Motor Vehicle (roads, bridges) - Mass Transit (bus, rail, ferry) - Railway (freight, passenger) - Aviation [commercial (e.g., cargo/passenger), general, military] - Maritime (waterways, ports and port facilities)
Hazardous Materials	- Facilities [oil/hazmat facilities (e.g., chemical, nuclear), oil/hazmat/toxic incidents from facilities] - Hazmat, Pollutants, Contaminants (oil/hazmat/toxic incidents from non-fixed facilities, radiological or nuclear incidents)

4.5 MITIGATION ACTION PRIORITIZATION METHODOLOGY & COST/BENEFIT ANALYSIS REVIEW

The methodology applied to prioritize mitigation actions in the previous Plan was reviewed by the Committee as part of the Plan update process. The previous prioritization methodology was based

on two key factors: 1) the frequency of the hazard and 2) the degree of mitigation attained. This methodology was presented to the Committee members at the second meeting held on April 25, 2023. The group reviewed and discussed the methodology and chose to approve it with no changes.

Figure MIT-11 identifies and describes the four-tiered prioritization methodology adopted by the Committee. This methodology provides a means of objectively determining which actions have a greater likelihood of eliminating or reducing the long-term vulnerabilities associated with the most frequently-occurring natural hazards.

While prioritizing the actions is useful and provides participants with additional information, it is important to keep in mind that implementing any the mitigation actions is desirable regardless of which prioritization category an action falls under.

Figure MIT-11 Mitigation Action Prioritization Methodology			
		Hazard	
		Most Frequent Hazard (M) (i.e., severe storms, floods, severe winter storms, floods, excessive heat, extreme cold, tornadoes)	Less Frequent Hazard (L) (i.e., drought, landslides, levee failures, dam failures, earthquakes)
Mitigation Action	Mitigation Action with the Potential to Virtually Eliminate or Significantly Reduce Impacts (H)	HM mitigation action will virtually eliminate damages and/or significantly reduce the probability of fatalities and injuries from the most frequent hazards	HL mitigation action will virtually eliminate damages and/or significantly reduce the probability of fatalities and injuries from less frequent hazards
	Mitigation Action with the Potential to Reduce Impacts (L)	LM mitigation action has the potential to reduce damages, fatalities and/or injuries from the most frequent hazards	LL mitigation action has the potential to reduce damages, fatalities and/or injuries from less frequent hazards

While this methodology does not take cost into consideration, it is a factor that may affect the order in which projects are implemented. As a result, a preliminary qualitative cost/benefit analysis was conducted to demonstrate each action's monetary and non-monetary benefits and provide additional information that can be considered in each participant's decision-making process. The costs and benefits were analyzed in terms of the general overall cost to complete an action as well as the staffing efforted needed and the action's likelihood of permanently eliminating or significantly reducing the risk associated with a specific hazard. The general descriptors of high, medium, and low were used. These terms are not meant to translate into a specific dollar amount, but rather to provide a relative comparison between the actions identified by each jurisdiction.

This analysis is only meant to give the participants a starting point to compare which actions are likely to provide the greatest benefit. It was repeatedly communicated to the Planning Committee members that when a grant application is submitted to IEMA-OHS/FEMA for a specific action, a detailed cost/benefit analysis will be required to receive funding.

4.6 MITIGATION ACTION IMPLEMENTATION & ADMINISTRATION

Finally, each participating jurisdiction was asked to identify how the mitigation actions will be implemented and administered. This included:

- identifying the party or parties responsible for oversight and administration;
- determining what funding source(s) are available or will be pursued; and
- describing the time frame for completion.

Oversight & Administration

It is important to keep in mind that some of the participating jurisdictions have limited capabilities related to organization and staffing for oversight and administration of the identified mitigation actions. Two of the six participating municipalities are smaller in size, with populations of less than 5,000 individuals. In most cases these jurisdictions have limited staff. Their organizational structure is such that they have fewer offices and/or departments, generally limited to public works and water/sewer. Those in charge of the offices/departments often lack the technical expertise needed to individually oversee and administer the identified mitigation actions. As a result, many of the participating jurisdictions identified their governing body (i.e., village board, city council or board of trustees) as the entity responsible for oversight and administration simply because it is the only practical option given their organizational constraints. Other participants felt that oversight and administration fell under the purview of the entity's governing body (board/council) and not individual departments.

Funding Sources

While the Tri-County Regional Planning Commission has the ability to assist with grant writing service to the participants, most do not have staff with grant writing capabilities. As a result, assistance was needed in identifying possible funding sources for the identified mitigation actions. The consultant provided written information to the participants about FEMA and non-FEMA funding opportunities that have been used previously to finance mitigation actions. In addition, funding information was discussed with participants during Committee meetings and in one-on-one contacts so that an appropriate funding source could be identified for each mitigation action.

A handout was prepared and distributed that provided specific information on the non-FEMA grant sources available including the grant name, the government agency responsible for administering the grant, grant ceiling, contact person and application period among other key points. Specific grants from the following agencies were identified: U.S. Department of Agricultural – Rural Development (USDA – RD), Illinois Department of Agriculture (IDOA), Illinois Department of Commerce and Economic Opportunity (DCEO), Illinois Environmental Protection Agency (IEPA), Illinois Department of Natural Resources (IDNR) and Illinois Department of Transportation (IDOT).

The funding source identified for each action is the most likely source to be pursued; however, if grant funding is unavailable through the most likely or other suggested sources, then

implementation of medium and large-scale projects and activities is unlikely due to the budgetary constraints experienced by most, if not all, of the participants due to their size, projected population growth and limited revenue streams. It is important to remember that the population for the entire County is approximately 132,000 individuals. Two of the six participating municipalities are smaller in size, with populations of less than 5,000 individuals. Some of the jurisdictions struggle to maintain and provide the most critical of services to their residents. Additional funding is necessary if implementation is to be achieved.

Time Frame for Completion

The time frame for completion identified for each action is the timespan in which participants would like to see the action successfully completed. In most cases, however, the time frame identified is dependent on obtaining the necessary funding. As a result, a time range has been identified for many of the mitigation actions to allow for unpredictability in securing funds.

4.7 RESULTS OF MITIGATION STRATEGY

Figures MIT-12 through MIT-22, located at the end of this section, summarize the results of the mitigation strategy. The mitigation actions are arranged alphabetically by participating jurisdiction following the County and include both existing and new actions.

Figure MIT-2
Tazewell County – Status of Existing Mitigation Actions
(Sheet 1 of 3)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Community Development							
Review the revised Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to reflect the revised FIRMs and present both for adoption.		✓				✓	
Continue to make the most recent Flood Insurance Rate Maps available to assist the public in considering where to construct new buildings.		✓				✓	
Continue to make county officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.		✓				✓	
Evaluate the feasibility of participating in the National Flood Insurance Program’s voluntary Community Rating System.			✓				✓
Develop educational materials that can be used to inform residents about the benefits of the National Flood Insurance Program and how it is administered locally.*			✓			✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the County's vulnerability since the 2019 Plan was approved. The County did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Tazewell County has seven administrative activities completed or in progress that have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The County also has eight administrative activities complete or in progress, of which four have the potential to decrease vulnerability to Communications, Food, Water, Shelter and Safety & Security Community Lifelines. None of the actions however will significantly change the vulnerability of hazard prone areas in the County.

Figure MIT-2
Tazewell County – Status of Existing Mitigation Actions
(Sheet 2 of 3)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Community Development Continued...							
Target FEMA’s Repetitive Loss Properties for potential mitigation projects.*			✓			✓	
Target FEMA’s Repetitive Loss Properties for educational outreach.*			✓			✓	
Develop “hazard information centers” on the County’s website and in public libraries where individuals can find information about the risks to life and property associated with natural hazards and the proactive actions that they can take to reduce or eliminate their risk.			✓			✓	
Emergency Management Agency							
Identify unreinforced masonry buildings that serve as critical infrastructure/facilitates within the County and participating jurisdictions.			✓	2023	Completed as part of the hazard mitigation plan update.		✓
Partner with classified dams owners to develop Emergency Action Plans (EAPs) that identify the extent (water depth, speed of onset, warning times, etc.) and location (inundation areas) of potential dam failures to address data deficiencies.		✓				✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the County's vulnerability since the 2019 Plan was approved. The County did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Tazewell County has seven administrative activities completed or in progress that have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The County also has eight administrative activities complete or in progress, of which four have the potential to decrease vulnerability to Communications, Food, Water, Shelter and Safety & Security Community Lifelines. None of the actions however will significantly change the vulnerability of hazard prone areas in the County.

Figure MIT-2
Tazewell County – Status of Existing Mitigation Actions
(Sheet 3 of 3)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Emergency Management Agency Continued...							
Purchase and distribute NOAA weather radios to vulnerable County residents.		✓				✓	
Examine the feasibility of designating schools and other public buildings as heating centers and emergency shelters.			✓	2022	Currently have a shelter list.		✓
Evaluate critical facilities and shelters to determine their resistance to natural hazards and recommend ways to strengthen or harden these facilities.		✓				✓	
Establish digital coordinates for all critical facilities/infrastructure for use in GIS mapping applications. This information can be used to determine which critical facilities/infrastructure have the potential to be threatened by natural hazard events.		✓				✓	
Disseminate information on the risks associated with earthquakes.		✓				✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the County's vulnerability since the 2019 Plan was approved. The County did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Tazewell County has seven administrative activities completed or in progress that have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The County also has eight administrative activities complete or in progress, of which four have the potential to decrease vulnerability to Communications, Food, Water, Shelter and Safety & Security Community Lifelines. None of the actions however will significantly change the vulnerability of hazard prone areas in the County.

Figure MIT-3
East Peoria – Status of Existing Mitigation Actions
(Sheet 1 of 3)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Develop a sewer truck line inspection plan/program to monitor lines located in remote ravines for potential impacts caused by natural hazard events.		✓				✓	
Setup a ravine stormwater monitoring program to gather data and identify events that have the potential to impact City infrastructure (i.e., sewer lines, roadways, etc.)		✓				✓	
Strengthen the utilization of the City's CodeRED notification system to inform potentially impacted areas of natural hazard events.		✓				✓	
Update existing digital data sets of City utilities (including sewer, water and storm sewer distribution lines) and geo-locate critical infrastructure for use with GIS mapping applications.			✓	2020		✓	
Develop a sanitary sewer system master plan with the goal of decreasing storm water infiltration and excess flow within the system. The plan should efficiently track system maintenance and identify areas where infiltration of storm water has the potential to occur.		✓				✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, East Peoria has six administrative activities in progress which have the potential to decrease the vulnerability of hazard prone areas to flooding and severe storms. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has four additional administrative activities completed or in progress. Two of the administrative activities have the potential to decrease vulnerability to Communications and Food, Water, Shelter Community Lifelines. None of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-3
East Peoria – Status of Existing Mitigation Actions
(Sheet 2 of 3)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Conduct sanitary sewer line reconnaissance study to identify locations where storm water infiltrates the system.	✓					✓	
Repair/reline sanitary sewer line sections to reduce stormwater infiltration and prevent sewage backups.	✓					✓	
Improve coordination between Public Works, Police and Fire in an effort to implement hazard mitigation projects activities aimed at reducing or eliminating the risk associated with natural hazard events.	✓					✓	
Review the revised Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to reflect the revised FIRMs and present both for adoption.		✓			Ordinance updated as needed.	✓	
Make the most recent Flood Insurance Rate Maps available to assist the public in considering where to construct new buildings.		✓		2020	Maps are available on-line and consulted when new projects require it.	✓	
Make city officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.		✓				✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, East Peoria has six administrative activities in progress which have the potential to decrease the vulnerability of hazard prone areas to flooding and severe storms. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has four additional administrative activities completed or in progress. Two of the administrative activities have the potential to decrease vulnerability to Communications and Food, Water, Shelter Community Lifelines. None of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-3
East Peoria – Status of Existing Mitigation Actions
(Sheet 3 of 3)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Evaluate the feasibility of participating in the National Flood Insurance Program's voluntary Community Rating System.	✓					✓	
Evaluate critical facilities and shelters to determine their resistance to natural hazards and recommend ways to strengthen or harden these facilities.		✓				✓	
Establish digital coordinates for all critical facilities/infrastructure for use in GIS mapping applications. This information can be used to determine which critical facilities/infrastructure have the potential to be threatened by natural hazard events.		✓				✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, East Peoria has six administrative activities in progress which have the potential to decrease the vulnerability of hazard prone areas to flooding and severe storms. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has four additional administrative activities completed or in progress. Two of the administrative activities have the potential to decrease vulnerability to Communications and Food, Water, Shelter Community Lifelines. None of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-4
Morton – Status of Existing Mitigation Actions
(Sheet 1 of 5)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
<i>Prairie Creek Channel, Floodplain & Tailwaters Improvements:</i> Make improvements to the 3.1-mile unimproved reach of Prairie Creek located between Queenwood Rd. and Allentown Rd. which serves as a discharge for a large portion of the developed watershed within the Village. The improvements will help maintain the creek's current flood control function for the upstream watershed and correct damages occurring within the downstream watershed. Improvements likely include but are not limited to land acquisition, hydrologic & hydraulic study, engineering & plan development and construction.	✓					✓	
<i>Prairie Creek Headwaters Improvements:</i> Make improvements to the Village's Detroit Parkway Detention Basin at the headwaters of Prairie Creek to help protect both upstream and downstream properties within the watershed from flooding problems. Improvements/expansion of this existing regional detention basin likely includes but is not limited to land acquisition, hydrologic & hydraulic study, engineering & plan development and construction.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Village's vulnerability since the 2019 Plan was approved. The Village did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Morton has three administrative activities in progress that have the potential to decrease vulnerability of hazard prone areas with the Village. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions.

Figure MIT-4
Morton – Status of Existing Mitigation Actions
(Sheet 2 of 5)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
<i>Bull Run Creek & Tributaries Detention Basin:</i> Develop a regional detention basin(s) and other related conveyance improvements upstream and alongside Bull Run Creek and its tributaries to relieve hydraulic congestion and reduce flood stages within the Creek, its tributaries and the watershed. Improvements likely include but are not limited to land acquisition, hydrologic & hydraulic study, engineering & plan development and construction.	✓					✓	
<i>Deer Creek Channel & Floodplain Improvements:</i> Make improvements to the 2.5-mile unimproved reach of Deer Creek located between I-74 and Queenwood Rd. which serves as a discharge for a portion of the eastern developed watershed within the Village. The improvements will help maintain the creek's current flood control function for the upstream watershed and correct damages occurring within the downstream watershed. Improvements likely include but are not limited to land acquisition, hydrologic & hydraulic study, engineering & plan development and construction.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Village's vulnerability since the 2019 Plan was approved. The Village did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Morton has three administrative activities in progress that have the potential to decrease vulnerability of hazard prone areas with the Village. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions.

Figure MIT-4
Morton – Status of Existing Mitigation Actions
(Sheet 3 of 5)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
<i>Bull Run Creek Floodplain Mitigation Projects:</i> Elevate flood-prone residential structures located in the SFHA along/adjacent to Bull Run Creek and its tributary confluence at N. Ohio Ave. and Ohio Ct. and/or acquire the properties and remove any existing structures to alleviate flooding problems and mitigate the flood risk.	✓					✓	
Conduct a drainage/hydraulic study to identify the cause(s) and determine the appropriate remedy(s) to address the failing drainage system associated with the at-grade crossing of N. Main St. and the Norfolk Southern Railroad on the northeast side of the Village. Coordinate study with the railroad.	✓					✓	
Select, design and construct the appropriate improvement(s)/remedy(s) to alleviate drainage problems and better manage stormwater associated with the at-grade crossing of N. Main St. and the Norfolk Southern Railroad on the northeast side of the Village. Coordinate the implementation of the appropriate remedy(s) with the railroad.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Village's vulnerability since the 2019 Plan was approved. The Village did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Morton has three administrative activities in progress that have the potential to decrease vulnerability of hazard prone areas with the Village. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions.

Figure MIT-4 Morton – Status of Existing Mitigation Actions (Sheet 4 of 5)							
Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Bury power lines along N. Morton Ave. to Lettie Brown Elementary School & subdivisions north of Lakeview Dr. to limit service disruptions and road blockages by downed lines during natural hazard events. This area is heavily wooded and can only be accessed by N. Morton Ave.	✓					✓	
Trim trees and remove dead material to minimize utility service disruptions and road blockages along N. Morton Ave. to Lettie Brown Elementary School & subdivisions north of Lakeview Dr.	✓					✓	
Collaborate with developers on any future development east of Hyde Park Dr. (located off of N. Morton Ave.) to ensure proper layout and construction of a roadway that provides secondary access to Lettie Brown Elementary School and subdivisions to the west.	✓					✓	
Conduct sewer line reconnaissance study to identify locations where storm water infiltrates the lines to improve the capacity, function and reliability of the Village's wastewater treatment plants.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Village's vulnerability since the 2019 Plan was approved. The Village did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Morton has three administrative activities in progress that have the potential to decrease vulnerability of hazard prone areas with the Village. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions.

Figure MIT-4
Morton – Status of Existing Mitigation Actions
(Sheet 5 of 5)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Repair/reline sewer line sections to reduce stormwater infiltration, improve the capacity, function and reliability of the Village's wastewater treatment plants and prevent sewage backups.	✓					✓	
Review the revised Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to reflect the revised FIRMs and present both for adoption.		✓				✓	
Make the most recent Flood Insurance Rate Maps available to assist the public in considering where to construct new buildings.		✓				✓	
Make village officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.		✓				✓	
Evaluate the feasibility of participating in the National Flood Insurance Program's voluntary Community Rating System.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Village's vulnerability since the 2019 Plan was approved. The Village did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Morton has three administrative activities in progress that have the potential to decrease vulnerability of hazard prone areas with the Village. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions.

Figure MIT-5
Pekin – Status of Existing Mitigation Actions
(Sheet 1 of 2)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Conduct a drainage/hydraulic study to determine the appropriate remedy(s) to alleviate recurring Illinois River flooding along Front Street and better protect the wastewater treatment facility which is located in the base floodplain of the Illinois River.	✓						✓
Select, design and construct the appropriate remedy(s) to alleviate Illinois River flooding along Front Street and better protect the wastewater treatment facility which is located in the base floodplain of the Illinois River.	✓						✓
Review the revised Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to reflect the revised FIRMs and present both for adoption.		✓				✓	
Make the most recent Flood Insurance Rate Maps available to assist the public in considering where to construct new buildings.		✓				✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Pekin has three administrative activities in progress which have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has two additional administrative activities completed or in progress, one of which has the potential to decrease vulnerability to Food, Water, Shelter Community Lifelines. Neither of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-5
Pekin – Status of Existing Mitigation Actions
(Sheet 2 of 2)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Make city officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.		✓				✓	
Evaluate the feasibility of participating in the National Flood Insurance Program's voluntary Community Rating System.	✓						✓
Target FEMA's Repetitive Loss Properties for potential mitigation projects.	✓						✓
Evaluate critical facilities and shelters to determine their resistance to natural hazards and recommend ways to strengthen or harden these facilities.		✓				✓	
Establish digital coordinates for all critical facilities/infrastructure for use in GIS mapping applications. This information can be used to determine which critical facilities/infrastructure have the potential to be threatened by natural hazard events.			✓		Current GIS contract with Cloudpoint, regular updates of City GIS occur and are ongoing, available for use by all City departments		✓

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Pekin has three administrative activities in progress which have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has two additional administrative activities completed or in progress, one of which has the potential to decrease vulnerability to Food, Water, Shelter Community Lifelines. Neither of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-6
Tremont – Status of Existing Mitigation Actions
(Sheet 1 of 2)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Purchase and install a new electronic warning siren system with public address capabilities within the Village to replace the two outdated sirens currently in use.	✓					✓	
Purchase and install automatic emergency backup generators at drinking water well sites to provide uninterrupted power and maintain operations during a power outage.			✓	2019	Generator installed at well house.		✓
Purchase and install an automatic emergency backup generator at Locust Street lift station to provide uninterrupted power and maintain operations during a power outage.			✓		Generator installed at lift station.		✓
Review the revised Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to reflect the revised FIRMs and present both for adoption.		✓				✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Village's vulnerability since the 2019 Plan was approved. The Village did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Tremont has one infrastructure project and three administrative activities completed or in progress that have the potential to decrease vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The Village has an additional infrastructure project and administrative activity completed or in progress. While neither of these actions will significantly change the vulnerability of hazard prone areas within the Village, however, the infrastructure project has the potential to decrease vulnerability to Food, Water, Shelter Community Lifelines.

Figure MIT-6
Tremont – Status of Existing Mitigation Actions
(Sheet 2 of 2)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Make the most recent Flood Insurance Rate Maps available to assist the public in considering where to construct new buildings.		✓				✓	
Make village officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.		✓				✓	
Evaluate the feasibility of participating in the National Flood Insurance Program's voluntary Community Rating System.		✓				✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Village's vulnerability since the 2019 Plan was approved. The Village did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Tremont has one infrastructure project and three administrative activities completed or in progress that have the potential to decrease vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The Village has an additional infrastructure project and administrative activity completed or in progress. While neither of these actions will significantly change the vulnerability of hazard prone areas within the Village, however, the infrastructure project has the potential to decrease vulnerability to Food, Water, Shelter Community Lifelines.

Figure MIT-7
Tri-County Regional Planning Commission – Status of Existing Mitigation Actions
(Sheet 1 of 4)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Identify areas where erosion is or will occur (such as steep slopes & stream banks) and incorporate/construct erosion-focused best management practices (BMPs) where possible.	✓					✓	
Identify areas where flooding is or will occur (such as non-permeable surfaces) and incorporate/construct stormwater management-focused best management practices (BMPs) where possible.	✓					✓	
Educate Tri-County area residents about the benefits of stormwater management practices in their communities and on their personal property.	✓					✓	
Conduct a drainage/hydraulic study to identify the cause(s) and determine the appropriate remedy(s) to alleviate recurring drainage problems within the region.	✓					✓	
Select, design and construct the appropriate remedy(s) to alleviate recurring drainage problems within the region.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Commission's vulnerability since the 2019 Plan was approved. The Commission did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Tri-County Regional Planning Commission did not begin or complete any of the identified mitigation actions. As a result, there have been no changes in the vulnerability to hazard prone areas.

Figure MIT-7
Tri-County Regional Planning Commission – Status of Existing Mitigation Actions
(Sheet 2 of 4)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Reshape/regrade select high impact drainage areas in the region to increase carrying capacity and alleviate drainage/flooding problems.	✓					✓	
Remove debris, vegetative overgrowth and/or brush from streams and creeks within the region to maintain/increase carrying capacity, better manage stormwater runoff and reduce/prevent drainage/flooding problems.	✓					✓	
Remove debris, sediment and obstructions from ditches, culverts and bridges and implement best management practices (BMPs) to maximize carrying capacity, better manage stormwater runoff and reduce/prevent drainage/flooding problems.	✓					✓	
Construct upstream detention basins, channelize/reshape tributaries and extend storm sewer lines to better manage stormwater runoff, increase carrying capacity and alleviate drainage/flooding problems.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Commission's vulnerability since the 2019 Plan was approved. The Commission did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Tri-County Regional Planning Commission did not begin or complete any of the identified mitigation actions. As a result, there have been no changes in the vulnerability to hazard prone areas.

Figure MIT-7
Tri-County Regional Planning Commission – Status of Existing Mitigation Actions
(Sheet 3 of 4)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Educate landowners on the importance of implementing stormwater management-related best management practices (BMPs) to reduce nutrient loss and topsoil from agricultural fields and urbanized areas.	✓					✓	
Conduct watershed studies to identify potential flood mitigation activities and determine best management practices (BMPs).	✓					✓	
Conduct a study to identify, evaluate and/or implement potential measures to reduce the impacts of drought on the region's water supply.	✓					✓	
Target FEMA's Repetitive Loss Properties for potential mitigation projects.	✓					✓	
Obtain official recognition of the Mitigation Advisory Committee by the Tri-County communities in order to institutionalize and develop an ongoing mitigation program.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Commission's vulnerability since the 2019 Plan was approved. The Commission did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Tri-County Regional Planning Commission did not begin or complete any of the identified mitigation actions. As a result, there have been no changes in the vulnerability to hazard prone areas.

Figure MIT-7
Tri-County Regional Planning Commission – Status of Existing Mitigation Actions
(Sheet 4 of 4)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Universal siren protocol for Tri- County area: Coordinate among all agencies to ensure rapid and comprehensive dissemination of necessary information and of response operations.	✓					✓	
Contact NRCS regarding opportunities for technical and financial assistance for drought preparedness and response.	✓					✓	
Partner with Parent Teacher Associations and local schools to develop an annual children's and teacher's educational program which focuses on teaching children and adults about hazard seasons, effects, and mitigation opportunities.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the Commission's vulnerability since the 2019 Plan was approved. The Commission did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Tri-County Regional Planning Commission did not begin or complete any of the identified mitigation actions. As a result, there have been no changes in the vulnerability to hazard prone areas.

Figure MIT-8
Washington – Status of Existing Mitigation Actions
(Sheet 1 of 7)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
<i>Washington Estates Flood Mitigation Project:</i> Construct upstream detention basin, channelize/reshape Tributary No. 2 and extend storm sewer to the Washington Estates Subdivision to better manage stormwater runoff, increase carrying capacity and alleviate drainage/flooding problems.	✓					✓	
<i>School Street Detention Basin Dam Reconfiguration Project:</i> Conduct a study to determine the potential impacts reconfiguring the School Street Detention Basin Dam would have on flood protection to downstream residents.	✓					✓	
<i>Rolling Meadows Stormwater Mitigation Project:</i> Replace/upsized culverts in the Rolling Meadows Subdivision to maintain/increase carrying capacity and reduce/prevent drainage/flooding problems.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Washington has one infrastructure improvement project and four administrative activities completed or in progress that have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has an additional two infrastructure improvement projects and three administrative activities completed or in progress. The infrastructure improvement projects have the potential to vulnerability to Food, Water, Shelter, Community Lifelines. None of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-8
Washington – Status of Existing Mitigation Actions
(Sheet 2 of 7)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
<i>Water Treatment Plant #1 Flood Protection Project:</i> Select, design and construct the appropriate remedy(s) outlined in the Water Treatment No. 1 Flood Protection Investigation Planning Report (Sept. 2018) to reduce the likelihood of a flood event impacting Water Treatment Plant No. 1. Currently the treatment plant is located in the base/500-year floodplain of Farm Creek.	✓					✓	
<i>East Side Regional Drainage Flood Mitigation Project:</i> Conduct a drainage/hydraulic study to determine the appropriate remedy(s) to address potential flood problems associated with Farm Creek at the east end of the City.		✓				✓	
Submit Letters of Map Revisions (LOM-R) when needed for areas within the City.		✓				✓	
<i>Farm Creek Railroad Structures Project:</i> Select and implement the appropriate remedy(s) (i.e., stream modifications, set-aside/compensatory storage, acquisitions, etc.) to alleviate flooding problems associated with the two TP&W Railroad bridges and old railroad bridge/park district bike trail over Farm Creek.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Washington has one infrastructure improvement project and four administrative activities completed or in progress that have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has an additional two infrastructure improvement projects and three administrative activities completed or in progress. The infrastructure improvement projects have the potential to vulnerability to Food, Water, Shelter, Community Lifelines. None of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-8
Washington – Status of Existing Mitigation Actions
(Sheet 3 of 7)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Designate Five Points as a warming center for city residents.	✓					✓	
Purchase and install an automatic emergency backup generator at Five Points Washington (a designated warming center) to provide uninterrupted during power outages.	✓					✓	
Identify strategic locations within the City to site community safe rooms (tornado shelters) and determine whether existing public buildings can be retrofitted to include community safe rooms or if standalone structures need to be erected.	✓					✓	
Retrofit an existing public building and/or construct a new standalone structure to serve as a community safe room (tornado shelter) for City residents.	✓					✓	
Clear wooded ravine easements to help access and maintain sanitary sewer and manholes. The City owns and maintains approximately 80 miles of sanitary sewer and has approximately 18,700 linear feet of wooded ravine easements.		✓				✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Washington has one infrastructure improvement project and four administrative activities completed or in progress that have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has an additional two infrastructure improvement projects and three administrative activities completed or in progress. The infrastructure improvement projects have the potential to vulnerability to Food, Water, Shelter, Community Lifelines. None of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-8
Washington – Status of Existing Mitigation Actions
(Sheet 4 of 7)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Provide crossing protection (i.e., riprap, caging, etc.) for sanitary sewer line stream crossings. There are 70 sanitary sewer stream crossings within the City's system that would benefit from protection.		✓				✓	
Reconfigure 4 aerial sanitary sewer line stream crossings to meet guidelines for storm conveyance.	✓					✓	
Review the revised Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to reflect the revised FIRMs and present both for adoption.		✓				✓	
Make the most recent Flood Insurance Rate Maps available to assist the public in considering where to construct new buildings.		✓				✓	
Make city officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.		✓				✓	
Evaluate the feasibility of participating in the National Flood Insurance Program's voluntary Community Rating System.		✓				✓	
Target FEMA's Repetitive Loss Properties for potential mitigation projects.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Washington has one infrastructure improvement project and four administrative activities completed or in progress that have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has an additional two infrastructure improvement projects and three administrative activities completed or in progress. The infrastructure improvement projects have the potential to vulnerability to Food, Water, Shelter, Community Lifelines. None of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-8
Washington – Status of Existing Mitigation Actions
(Sheet 5 of 7)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Target FEMA's Repetitive Loss Properties for educational outreach.	✓					✓	
Develop educational materials that can be used to inform residents about the benefits of the National Flood Insurance Program and how it is administered locally.	✓					✓	
Locate and label all public hydrants in the City to assist in street identification in the event of widespread natural hazard damage.		✓				✓	
Develop "hazard information centers" in public libraries and on the City's website to inform residents of the risks to life and property associated with natural hazards and the proactive actions they can take to reduce or eliminate their risk.	✓					✓	
Evaluate critical facilities and shelters to determine their resistance to natural hazards and recommend ways to strengthen or harden these facilities.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Washington has one infrastructure improvement project and four administrative activities completed or in progress that have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has an additional two infrastructure improvement projects and three administrative activities completed or in progress. The infrastructure improvement projects have the potential to vulnerability to Food, Water, Shelter, Community Lifelines. None of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-8
Washington – Status of Existing Mitigation Actions
(Sheet 6 of 7)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
Establish digital coordinates for all critical facilities/infrastructure for use in GIS mapping applications. This information can be used to determine which critical facilities/infrastructure have the potential to be threatened by natural hazard events.		✓				✓	
<i>Stormwater Assessment and Management Report Project L – Jefferson Street and Spruce Street Storm Sewer:</i> Replace the existing storm sewer network with a dual storm sewer system in an area bounded by Harvey Street, Walnut Street, Pine Street, and Adams Street to alleviate overflows, increase capacity, better manage stormwater runoff, ensure system resilience and functionality, and mitigate risk to Community Lifelines. The existing storm sewer system is overwhelmed by heavy rain events in excess of a 10-year storm.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Washington has one infrastructure improvement project and four administrative activities completed or in progress that have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has an additional two infrastructure improvement projects and three administrative activities completed or in progress. The infrastructure improvement projects have the potential to vulnerability to Food, Water, Shelter, Community Lifelines. None of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-8
Washington – Status of Existing Mitigation Actions
(Sheet 7 of 7)

Mitigation Action Description	Status of Mitigation Action			Year Completed	Summary/Details of Completed Action (i.e., location, scope, etc.)	Status of No/In Progress Actions	
	No Progress (✓)	In Progress (✓)	Completed (✓)			Included in Updated Action Plan (✓)	No Longer Relevant (✓)
<i>Stormwater Assessment and Management Report Project K – East Holland Street Storm Sewer:</i> Upsize storm sewer system in an area bounded by Holland Street, Cedar Street, South Street, and Elm Street to increase capacity, better manage stormwater runoff, ensure system resilience and functionality, alleviate drainage/flooding problems experienced during heavy rain events, and mitigate risk to Community Lifelines. The inlets and storm sewers from the Catherine Street reconstruction project can be connected to this project so that both areas benefit.	✓					✓	

No substantial changes in development have occurred in hazard prone areas that would increase or decrease the City's vulnerability since the 2019 Plan was approved. The City did not identify any changes in priorities since the previous Plan was approved.

In terms of changes in vulnerability associated with mitigation actions in progress or completed, Washington has one infrastructure improvement project and four administrative activities completed or in progress that have the potential to decrease the vulnerability of hazard prone areas to flooding. It is still too early to tell the degree of reduction that will be experienced from the implementation of these actions. The City also has an additional two infrastructure improvement projects and three administrative activities completed or in progress. The infrastructure improvement projects have the potential to vulnerability to Food, Water, Shelter, Community Lifelines. None of these actions however will significantly change the vulnerability of hazard prone areas within the City.

Figure MIT-12
Tazewell County Hazard Mitigation Actions
(Sheet 1 of 4)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Partner with Levee owners to develop Emergency Preparedness Plans/Inundation Maps that identify the extent of potential failures (water depth, speed of onset, warning times, etc.) for the studied levees to address data deficiencies.	LF	S&S	LP&R E&A	Small County SVI: 0.0948	---	---	3, 4, 5	LL	Low/Medium	EMA Director	5 years	County / Levee Owners	New
Partner with classified dams owners to develop Emergency Action Plans (EAPs) that identify the extent (water depth, speed of onset, warning times, etc.) and location (inundation areas) of potential dam failures to address data deficiencies.	DF	---	LP&R	Small County SVI: 0.0948	Yes	Yes	2, 3, 4, 5	LL	Low/Medium	EMA Director	5 years	County / Classified Dam Owners	Existing (2019)
Purchase and distribute NOAA weather radios to vulnerable County residents.	DF, EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	C	E&A	Medium County SVI: 0.0948	---	---	2	HM	Low/High	EMA Director	1-5 years	County	Existing (2019)
Examine the feasibility of designating schools and other public buildings as warming centers and emergency shelters.	DF, EC, EQ, F, L, LF, MMH, MS, SS, SWS, T	FWS	LP&R	Medium County SVI: 0.0948	---	---	2	LM	Low/Medium	EMA Director	1-3 years	County	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the County’s size (approx. 23,400 individuals in unincorporated areas), projected population growth, and budgetary constraints. The County works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood L Landslides	LF Levee Failure MMH Man-Made Hazard MS Mine Subsidence SS Severe Storms SWS Severe Winter Storm T Tornado
LM		E&A Education & Awareness LP&R Local Plans & Regulations
HL		NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-12
Tazewell County Hazard Mitigation Actions
(Sheet 2 of 4)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Evaluate critical facilities and shelters to determine their resistance to natural hazards and recommend ways to strengthen or harden these facilities.	DF, EC, EH, EQ, F, L, LF, MMH, MS, SS, SWS, T	C FWS H&M S&S	LP&R	Small County SVI: 0.0948	---	---	3, 5	LM	Low/Medium	EMA Director	2-4 years	County	Existing (2019)
Establish digital coordinates for all critical facilities/infrastructure for use in GIS mapping applications. This information can be used to determine which critical facilities/infrastructure have the potential to be threatened by natural and man-made hazard events.	DF, EC, EH, EQ, F, L, LF, MMH, MS, SS, SWS, T	C E FWS H&M S&S T	LP&R	Large County SVI: 0.0948	---	---	3, 5, 8	LM	Low/Medium	EMA Director	3-5 years	County	Existing (2019)
Disseminate information on the risks associated with earthquakes.	EQ	--	E&A	Large County SVI: 0.0948	---	---	1, 2	LL	Low/Low	EMA Director	1-5 years	County	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the County’s size (approx. 23,400 individuals in unincorporated areas), projected population growth, and budgetary constraints. The County works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	LF	Levee Failure	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	MS	Mine Subsidence	Community Lifelines to be Mitigated:			
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SS	Severe Storms				
		EQ	Earthquake	SWS	Severe Winter Storm	C	Communications	H&M	Health & Medical
		F	Flood	T	Tornado	E	Energy (Power & Fuel)	S&S	Safety & Security
		L	Landslides			FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-12
Tazewell County Hazard Mitigation Actions
(Sheet 3 of 4)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Develop “hazard information centers” at public libraries and on the County’s website to distribute public information materials to residents that detail the risks to life and property associated with natural and man-made hazards that impact the County and the proactive actions they can take to reduce their risk.	DR, EC, EH, EQ, F, L, LF, MMH, MS, SS, SWS, T	---	E&A	Large County SVI: 0.0948	---	---	2, 4	LM	Low/Medium	Community Development Administrator	1-5 years	County	Existing (2019)
Target FEMA’s Repetitive Loss Properties for educational outreach.*	F	S&S	E&A	Small County SVI: 0.0948	---	---	2, 6	LM	Low/Medium	Community Development Administrator	1-5 years	County	Existing (2019)
Target FEMA’s Repetitive Loss Properties for potential mitigation projects.*	F	S&S	E&A	Small County SVI: 0.0948	---	---	2, 6	LM	Low/Medium	Community Development Administrator	1-5 years	County	Existing (2019)
Distribute educational materials informing residents about the benefits of the National Flood Insurance Program and how it is administered locally.*	F	S&S	E&A	Small County SVI: 0.0948	---	---	1, 2	LM	Low/Medium	Community Development Administrator	1-3 years	County	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the County’s size (approx. 23,400 individuals in unincorporated areas), projected population growth, and budgetary constraints. The County works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure	E&A Education & Awareness
	DR Drought	LP&R Local Plans & Regulations
LM	EC Extreme Cold	NSP Natural Systems Protection
	EH Excessive Heat	S&IP Structure & Infrastructure Projects
HL	EQ Earthquake	
	F Flood	Community Lifelines to be Mitigated:
LL	L Landslides	C Communications
		E Energy (Power & Fuel)
		FWS Food, Water, Shelter
		HM Hazardous Material
		H&M Health & Medical
		S&S Safety & Security
		T Transportation

Figure MIT-12
Tazewell County Hazard Mitigation Actions
(Sheet 4 of 4)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Review new Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to exceed federal standards and reflect the revised FIRMs and present both for adoption. Enforce flood ordinance to ensure new development does not increase flood vulnerability or create unintended exposures to flooding.*	F	S&S	LP&R	Small County SVI: 0.0948	Yes	Yes	1, 2, 6, 7	HM	Low/High	Community Development Administrator / County Board	1-5 years	County	Existing (2019)
Continue to make the most recent Flood Insurance Rate Maps available at the Community Development Department's office to assist the public in considering where to construct new buildings.*	F	S&S	E&A	Small County SVI: 0.0948	Yes	---	1, 2, 6, 7	LM	Low/Medium	Community Development Administrator	1-5 years	County	Existing (2019)
Continue to make County officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.*	F	S&S	E&A	Small County SVI: 0.0948	Yes	---	1, 2, 6, 7	LM	Low/Medium	Community Development Administrator	1-5 years	County	Existing (2019)
Evaluate the feasibility of participating in the National Flood Insurance Program's voluntary Community Rating System.	F	S&S	LP&R	Small County SVI: 0.0948	---	---	4	LM	Low/Medium	Community Development Administrator	1-3 years	County	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the County's size (approx. 23,400 individuals in unincorporated areas), projected population growth, and budgetary constraints. The County works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance in NFIP.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought EC Extreme Cold EH Excessive Heat	E&A Education & Awareness LP&R Local Plans & Regulations
LM	LF Levee Failure MMH Man-Made Hazard MS Mine Subsidence SS Severe Storms	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL	EQ Earthquake F Flood L Landslides	
LL	SWS Severe Winter Storm T Tornado	
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-13
Creve Coeur Hazard Mitigation Actions
(Sheet 1 of 5)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Harden the existing Emergency Operations Center (EOC) or design/construct a new multi-use EOC/Incident Command Center to ensure continuity of operations/government during hazard events. This facility would mitigate the risk for multiple Community Lifelines enabling the continuous operation of critical government and business functions essential to human health and safety and economic security.	EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	C S&S	S&IP	Large SVI: 0.1846 – 0.2252 EDRC: No	Yes	Yes	2, 3, 4, 5	HM	High/High	Police Chief	1-2 years	Village	New
Purchase and distribute NOAA weather radios to Village-owned critical facilities and schools to establish Community Lifelines that notify staff and residents of natural/man-made hazard event information.	EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	C	E&A	Small SVI: 0.1846 – 0.2252 EDRC: No	---	---	2	HM	Low/High	Fire Chief	1-3 years	Village	New
Purchase portable, trailer-mounted LED emergency message board to alert the public of hazardous conditions associated with natural and man-made hazard events.	EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	C	E&A	Large SVI: 0.1846 – 0.2252 EDRC: No	---	---	2	LM	Medium/Medium	Police Chief	1-3 years	Village	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 4,950 individuals). The Village works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood L Landslides	MMH Man-Made Hazard MS Mine Subsidence SS Severe Storms SWS Severe Winter Storm T Tornado
LM		E&A Education & Awareness LP&R Local Plans & Regulations
HL		NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-13
Creve Coeur Hazard Mitigation Actions
(Sheet 2 of 5)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Design and construct community safe rooms, (built to high wind standards and equipped with an emergency backup generators and HVAC systems) at strategic locations within the Village, including but not limited to mobile home parks and Village Hall to establish Community Lifelines essential to human health and safety.	SS, T	FWS	S&IP	Small SVI: 0.1846 – 0.2252 EDRC: No	Yes	---	2	HM	High/High	Public Works Supervisor	2-5 years	Village / FEMA BRIC/ HMGP / HUD CDBG	New
Purchase portable emergency backup generators for use at designated critical facilities (i.e., Community Center, Village Hall, Public Works building, Fort Creve Coeur, etc.) to ensure the continued operation of Community Lifelines and maintain continuity of operations/government during extended power outages.	EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	FWS S&S T	S&IP	Small SVI: 0.1846 – 0.2252 EDRC: No	---	Yes	2, 3, 5	HM	Medium/High	Public Works Supervisor	2-5 years	Village / FEMA HMGP/ BRIC	New
Secure a memorandum of Agreement with Groveland Township to retrofit existing township buildings and/or construct new stand-alone structures to serve as community safe rooms with the Village, equipped with emergency backup generators and HVAC systems, that can also serve as warming/cooling centers for Village and Township residents.	EC, EH, SS, T	FWS S&S	LP&R	Small SVI: 0.1846 – 0.2252 EDRC: No	---	---	2	LM	Low/Medium	Public Works Supervisor	2-5 years	Village / Township	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 4,950 individuals). The Village works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DR Drought EC Extreme Cold EH Excessive Heat	E&A Education & Awareness LP&R Local Plans & Regulations
LM	MMH Man-Made Hazard MS Mine Subsidence SS Severe Storms	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL	EQ Earthquake F Flood L Landslides	
LL	T Tornado	
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-13
Creve Coeur Hazard Mitigation Actions
(Sheet 3 of 5)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Retrofit existing township buildings and/or construct new stand-alone structures to serve as community safe rooms with the Village, equipped with emergency backup generators and HVAC systems, that can also serve as warming/cooling centers for Village and Township residents.	EC, EH, SS, T	FWS S&S	S&IP	Small SVI: 0.1846 – 0.2252 EDRC: No	Yes	Yes	2	HM	High/High	Public Works Supervisor	2-5 years	Village / Township / FEMA BRIC/ HMGP	New
Upgrade/retrofit the storm sewer system to eliminate stormwater infiltration, increase storage and draining capacity, better manage stormwater runoff, and ensure system resilience and functionality of a Community Lifeline.	F, SS	FWS	S&IP	Large SVI: 0.1846 – 0.2252 EDRC: No	Yes	Yes	3, 5	HM	High/High	Public Works Supervisor	2-5 years	City / IEPA SRF – WPCLP	New
Purchase and install new storm warning sirens as needed to maximize the system's effectiveness and establish/ensure continued operation of a Community Lifeline essential to human health and safety.	SS, T	C	S&IP	Medium SVI: 0.1846 – 0.2252 EDRC: No	---	---	2	HM	Medium/High	Fire Chief	1-5 years	City	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 4,950 individuals). The Village works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake	E&A Education & Awareness LP&R Local Plans & Regulations
LM	MMH Man-Made Hazard MS Mine Subsidence SS Severe Storms SWS Severe Winter Storm	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL	F Flood L Landslides	
LL	T Tornado	
	Community Lifelines to be Mitigated:	
	C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material	H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-13
Creve Coeur Hazard Mitigation Actions
(Sheet 4 of 5)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Purchase and install electrical hookups (pigtales) and/or transfer switches at critical facilities and infrastructure for use with portable emergency backup generators to maintain operations during prolonged power outages.	EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	FWS S&S T	S&IP	Small SVI: 0.1846 – 0.2252 EDRC: No	---	Yes	2, 3, 5	HM	Medium/High	Public Works Supervisor	2-5 years	Village	New
Purchase portable water pumps for use in removal of excess water from critical facilities/infrastructure during heavy rain/flood events to maintain continuity of government/operations and ensure functionality of Community Lifelines.	F, SS	FWS T	S&IP	Medium SVI: 0.1846 – 0.2252 EDRC: No	---	Yes	3, 5	LM	Low/Medium	Public Works Supervisor	2-5 years	Village	New
Create a volunteer network to assist with duties during hazard events such as checking on individuals with access and functional needs.	DR, EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	---	E&A	Small SVI: 0.1846 – 0.2252 EDRC: No	---	---	2, 4	LM	Low/Medium	Health & Safety Trustee	2-5 years	Village	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 4,950 individuals). The Village works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood L Landslides	E&A Education & Awareness LP&R Local Plans & Regulations NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LM	MMH Man-Made Hazard MS Mine Subsidence SS Severe Storms SWS Severe Winter Storm	
HL	T Tornado	Community Lifelines to be Mitigated:
LL		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-13
Creve Coeur Hazard Mitigation Actions
(Sheet 5 of 5)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Review new Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to exceed federal standards and reflect the revised FIRMs and present both for adoption. Enforce flood ordinance to ensure new development does not increase flood vulnerability or create unintended exposures to flooding.*	F	S&S	LP&R	Small SVI: 0.1846 – 0.2252 EDRC: No	Yes	Yes	1, 2, 6, 7	HM	Low/Medium	President Village Board / Building Inspector	1-5 years	Village	New
Make the most recent Flood Insurance Rate Maps available at the Village Clerk's Office to assist the public in considering where to construct new buildings.*	F	S&S	E&A	Small SVI: 0.1846 – 0.2252 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Medium	President Village Board / Village Clerk	1-5 years	Village	New
Make Village officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.*	F	S&S	E&A	Small SVI: 0.1846 – 0.2252 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Medium	President Village Board / Building Inspector	1-5 years	Village	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 4,950 individuals). The Village works hard to maintain critical services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood L Landslides	MMH Man-Made Hazard MS Mine Subsidence SS Severe Storms SWS Severe Winter Storm T Tornado
LM		E&A Education & Awareness LP&R Local Plans & Regulations
HL		NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-14
East Peoria Hazard Mitigation Actions
(Sheet 1 of 7)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Conduct video reconnaissance of storm sewer pipes draining from Farm Creek, Dempsey Creek, Cole Creek, and Kerfoot Creek to identify obstructions and locations where water/silt infiltrates the pipes.	F, SS	FWS S&S	LP&R	Medium SVI: 0.1013 – 0.4867 EDRC: No	---	---	3, 4, 5	LM	Low/Medium	Water & Wastewater Superintendent / East Peoria Sanitary District	2-5 years	City / East Peoria Sanitary District	New
Upgrade/reline storm sewer pipes draining from Farm Creek, Dempsey Creek, Cole Creek, and Kerfoot Creek to eliminate obstructions and water/silt infiltration, increase draining capacity, better manage stormwater runoff, and ensure system resilience and functionality in an effort to address recurring heavy rain events that overwhelm the system.	F, SS	FWS S&S	S&IP	Medium SVI: 0.1013 – 0.4867 EDRC: No	---	Yes	3, 5	HM	Medium/High	Water & Wastewater Superintendent / East Peoria Sanitary District	2-5 years	City / East Peoria Sanitary District / IEPA SRF – WPCLP	New
Remove sediment (sand and gravel) from Diversion Channel from Camp St. to the Illinois River to increase carrying capacity, better manage stormwater runoff, and ensure system resilience and functionality.	F, SS	S&S	S&IP	Small SVI: 0.1013 – 0.4867 EDRC: No	---	Yes	3, 5	HM	High/High	Water & Wastewater Superintendent / East Peoria Sanitary District	5 years	City / East Peoria Sanitary District / Legislative Award	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 22,700 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought	E&A Education & Awareness LP&R Local Plans & Regulations
LM	EC Extreme Cold EH Excessive Heat	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL	EQ Earthquake F Flood	
LL	L Landslides	
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-14
East Peoria Hazard Mitigation Actions
(Sheet 2 of 7)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Obtain levee accreditation from FEMA for remainder of Farm Creek from Cole Creek to the east.	F, LF	S&S	LP&R	Small SVI: 0.1013 – 0.4867 EDRC: No	Yes	Yes	2, 3, 5	LM	Medium/High	Water & Wastewater Superintendent / Director of Buildings & Inspections / East Peoria Sanitary District	5 years	City / East Peoria Sanitary District	New
Transition the City's Emergency Operations Center from the Festival Building to City Hall.	DF, EC, EH, EQ, F, L, LF, MMH, MS, SS, SWS, T	C S&S	E&A	Large SVI: 0.1013 – 0.4867 EDRC: No	---	---	2	LM	Low/Medium	Fire Chief	1 year	City	New
Replace/upsize roadway culverts at various locations, including but not limited to Monson St., Franklin St., Sanford St., State St., and Spencer St. crossing of No. 1 Ditch, to increase carrying capacity, better manage stormwater runoff, alleviate recurring drainage/flood problems, and ensure system resilience and functionality.	F, SS	T	S&IP	Medium SVI: 0.1013 – 0.4867 EDRC: No	Yes	Yes	3, 5	HM	Medium/High	Streets Supervisor / East Peoria D&LD Commissioners	5 years	City / East Peoria D&LD / IDOT Local Roads	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 22,700 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	LF	Levee Failure	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	MS	Mine Subsidence				
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SS	Severe Storms				
		EQ	Earthquake	SWS	Severe Winter Storm				
		F	Flood	T	Tornado				
		L	Landslides						
						Community Lifelines to be Mitigated:			
		C	Communications	H&M	Health & Medical				
		E	Energy (Power & Fuel)	S&S	Safety & Security				
		FWS	Food, Water, Shelter	T	Transportation				
		HM	Hazardous Material						

Figure MIT-14
East Peoria Hazard Mitigation Actions
(Sheet 3 of 7)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Develop a sewer truck line inspection plan/program to monitor lines located in remote ravines for potential impacts caused by natural hazard events.	EQ, F, L, MMH, MS, SS, SWS, T	FWS	LP&R	Medium SVI: 0.1013 – 0.4867 EDRC: No	---	Yes	3, 4, 5	LM	Low/High	Water & Wastewater Superintendent	1-2 years	City	Existing (2019)
Establish a ravine stormwater monitoring program to gather data and identify events that have the potential to impact City infrastructure (i.e., sewer lines, roadways, etc.)	F, SS, SWS	C FWS S&S T	LP&R	Medium SVI: 0.1013 – 0.4867 EDRC: No	Yes	Yes	3, 4, 5	LM	Low/High	Streets Supervisor	1-2 years	City	Existing (2019)
Improve the utilization of the City's CodeRED mass emergency notification system to disseminate time sensitive alerts and warnings about natural hazard events to first responders/residents within the City.	DF, EC, EH, EQ, F, L, LF, MMH, SS, SWS, T	C	E&A	Large SVI: 0.1013 – 0.4867 EDRC: No	---	---	2	HM	Low/High	Fire Chief / Streets Supervisor / Water & Wastewater Superintendent	1-2 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 22,700 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure	E&A Education & Awareness
	DR Drought	LP&R Local Plans & Regulations
LM	EC Extreme Cold	NSP Natural Systems Protection
	EH Excessive Heat	S&IP Structure & Infrastructure Projects
HL	EQ Earthquake	
	F Flood	Community Lifelines to be Mitigated:
LL	L Landslides	C Communications
		E Energy (Power & Fuel)
		FWS Food, Water, Shelter
		HM Hazardous Material
		H&M Health & Medical
		S&S Safety & Security
		T Transportation

Figure MIT-14
East Peoria Hazard Mitigation Actions
(Sheet 4 of 7)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Develop a sanitary sewer system master plan with the goal of decreasing stormwater infiltration and excess flow within the system. The plan should efficiently track system maintenance and identify areas where infiltration of storm water has the potential to occur.	F, SS	FWS	LP&R	Large SVI: 0.1013 – 0.4867 EDRC: No	---	Yes	3, 4, 5	LM	Low/Medium	Water & Wastewater Superintendent	1-2 years	City	Existing (2019)
Conduct sanitary sewer line reconnaissance study to identify locations where storm water infiltrates the system and mitigate risk to a Community Lifeline.	F, SS	FWS	LP&R	Medium SVI: 0.1013 – 0.4867 EDRC: No	---	---	3, 4, 5	LM	Low/Medium	Water & Wastewater Superintendent	1-5 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 22,700 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF Dam Failure DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood L Landslides	E&A Education & Awareness LP&R Local Plans & Regulations NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LM Mitigation action with the potential to reduce impacts from the most frequent hazards	LF Levee Failure MMH Man-Made Hazard MS Mine Subsidence SS Severe Storms SWS Severe Winter Storm T Tornado	
HL Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards		Community Lifelines to be Mitigated:
LL Mitigation action with the potential to reduce impacts from the less frequent hazards		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-14
East Peoria Hazard Mitigation Actions
(Sheet 5 of 7)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Re-line/replace sanitary sewer line sections & mains to eliminate stormwater infiltration, prevent sewage backups, and improve capacity, function, and reliability of the City's sewer system.	F, SS	FWS	S&IP	Medium SVI: 0.1013 – 0.4867 EDRC: No	Yes	Yes	3, 5	HM	Medium/High	Water & Wastewater Superintendent	1-5 years	City / IEPA SRF – WPCLP	Existing (2019)
Improve coordination between Public Works Department, Police Department, and Fire Department in an effort to implement hazard mitigation projects activities aimed at reducing or eliminating the risk associated with natural and man-made hazard events.	DF, EC, EH, EQ, F, L, LF, MMH, MS, SS, SWS, T	S&S	E&A	SVI: 0.1013 – 0.4867 EDRC: No	Yes	Yes	2, 3, 5	LM	Low/Medium	Mayor City Council / Water & Wastewater Superintendent / Streets Supervisor / Police Chief / Fire Chief	1-5 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 22,700 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	LF	Levee Failure	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	MS	Mine Subsidence				
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SS	Severe Storms				
		EQ	Earthquake	SWS	Severe Winter Storm				
		F	Flood	T	Tornado				
		L	Landslides						
		Community Lifelines to be Mitigated:							
		C	Communications	H&M	Health & Medical				
		E	Energy (Power & Fuel)	S&S	Safety & Security				
		FWS	Food, Water, Shelter	T	Transportation				
		HM	Hazardous Material						

Figure MIT-14
East Peoria Hazard Mitigation Actions
(Sheet 6 of 7)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Establish digital coordinates for all critical facilities/infrastructure for use in GIS mapping applications. This information can be used to determine which critical facilities/infrastructure have the potential to be threatened by natural and man-made hazard events.	DF, DR, EC, EH, EQ, F, L, LF, MMH, MS, SS, SWS, T	C E FWS H&M S&S T	LP&R	Large SVI: 0.1013 – 0.4867 EDRC: No	---	---	3, 5, 8	LM	Low/Medium	Planning & GIS Coordinator	2-4 years	City	Existing (2019)
Evaluate critical facilities and shelters to determine their resistance to natural hazards and recommend ways to strengthen or harden these facilities.	DF, EC, EH, EQ, F, L, LF, MMH, MS, SS, SWS, T	C FWS H&M S&S	LP&R	Small SVI: 0.1013 – 0.4867 EDRC: No	---	---	3, 5	LM	Low/Medium	Waste & Wastewater Superintendent / Streets Supervisor / Director of Buildings & Inspections	3-5 years	City	Existing (2019)
Review new Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to exceed federal standards and reflect the revised FIRMs and present both for adoption. Enforce flood ordinance to ensure new development does not increase flood vulnerability or create unintended exposures to flooding.*	F	S&S	LP&R	Small SVI: 0.1013 – 0.4867 EDRC: No	Yes	Yes	1, 2, 6, 7	HM	Low/High	Mayor City Council / Director of Buildings & Inspections	1-5 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 22,700 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood L Landslides	E&A Education & Awareness LP&R Local Plans & Regulations NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LM	LF Levee Failure MMH Man-Made Hazard MS Mine Subsidence SS Severe Storms SWS Severe Winter Storm T Tornado	
HL		Community Lifelines to be Mitigated:
LL		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-14
East Peoria Hazard Mitigation Actions
(Sheet 7 of 7)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC)§	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s)†	Status
					New	Existing							
Continue to make the most recent Flood Insurance Rate Maps available at the Buildings & Inspections Department office to assist the public in considering where to construct new buildings.*	F	S&S	E&A	Small SVI: 0.1013 – 0.4867 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Medium	Director of Buildings & Inspections / Buildings & Inspections Department	1-5 years	City	Existing (2019)
Continue to make City officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.*	F	S&S	E&A	Small SVI: 0.1013 – 0.4867 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Medium	Director of Buildings & Inspections / Buildings & Inspections Department	1-5 years	City	Existing (2019)
Evaluate the feasibility of participating in the National Flood Insurance Program’s voluntary Community Rating System.	F	S&S	LP&R	Small SVI: 0.1013 – 0.4867 EDRC: No	---	---	4	LM	Low/Medium	Director of Buildings & Inspections / Buildings & Inspections Department	1-4 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

† Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 22,700 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	LF	Levee Failure	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
		EC	Extreme Cold	MS	Mine Subsidence				
		EH	Excessive Heat	SS	Severe Storms				
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EQ	Earthquake	SWS	Severe Winter Storm	Community Lifelines to be Mitigated:			
		F	Flood	T	Tornado	C	Communications	H&M	Health & Medical
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	L	Landslides			E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-15
East Peoria Community High School District #309 Hazard Mitigation Actions

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Purchase and install an automatic emergency backup generator(s) at the High School/District Office to establish a resilient and reliable power supply in order to maintain continuity of operations, ensure sustained functionality of all systems (i.e., heating, freezers, etc.) during extended power outage and mitigate risk to a Community Lifeline.	DF, EC, EH, EQ, F, L, LF, MMH, SS, SWS, T	S&S	S&IP	Large SVI: 0.1013 – 0.4867	---	Yes	2, 3, 5	HM	Medium/High	Superintendent / School Board	2-5 years	District / FEMA HMGP	New
Regrade/contour hillside behind High School to mitigate erosion, landslides, and surface water intrusion on the school campus caused by heavy rain events and mitigate risk to a Community Lifeline.	F, SS	S&S	S&IP	Large SVI: 0.1013 – 0.4867	---	Yes	2, 3, 5	HM	Medium/High	Superintendent / School Board	2-5 years	District / FEMA BRIC/ HMGP	New
Educate students and staff about the natural and man-made hazards that have the potential to impact the District and the proactive actions they can take to reduce their risks.	DF, DR, EC, EH, EQ, F, L, LF, MMH, SS, SWS, T	---	E&A	Large SVI: 0.1013 – 0.4867	---	---	1, 2	LM	Low/Low	Superintendent / School Board	2-5 years	District	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a school district of this size (approx. 950 students). Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure	E&A Education & Awareness
	DR Drought	NSP Natural Systems Protection
LM	EC Extreme Cold	LP&R Local Plans & Regulations
	EH Excessive Heat	S&IP Structure & Infrastructure Projects
HL	EQ Earthquake	
	SS Severe Storms	Community Lifelines to be Mitigated:
LL	SWS Severe Winter Storm	C Communications
	F Flood	E Energy (Power & Fuel)
		FWS Food, Water, Shelter
		HM Hazardous Material
		H&M Health & Medical
		S&S Safety & Security
		T Transportation

Figure MIT-16
East Peoria Drainage & Levee District Hazard Mitigation Actions
(Sheet 1 of 3)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Clear drainage ditches, including but not limited to Branch A from No. 1 Ditch to Main Ditch, Main Ditch from Building LL area to Pumphouse, and Farm Creek from Tractor Drive to Illinois River, to maximize carrying capacity, alleviate recurring drainage problems and mitigate risk to a Community Lifeline.	F, LF, SS	S&S	S&IP	Medium SVI: 0.1013 – 0.2934	---	Yes	3, 5	HM	Medium/Medium	EPDLD Commissioners	2-5 years	EPDLD	New
Conduct a drainage study to identify design solutions to alleviate recurring drainage deficiencies experienced as a result of heavy rain events, maintain continuity of operations, ensure system resilience, and mitigate risk to a Community Lifeline. Potential design solutions may include construction of stormwater detention basins, etc.	F, SS	S&S	LP&R	Large SVI: 0.1013 – 0.2934	---	---	3, 4, 5	LM	Low/Medium	EPDLD Commissioners	1 year	EPDLD	New
Construct drainage study recommendations to alleviate recurring drainage deficiencies experienced as a result of heavy rain events, maintain continuity of operations, ensure system resilience, and mitigate risk to a Community Lifeline.	F, LF, SS	S&S	S&IP	Large SVI: 0.1013 – 0.2934	---	Yes	3, 5	HM	Medium/High	EPDLD Commissioners	5 years	EPDLD / FEMA HMGP/ BRIC	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by small drainage and levee districts. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought	E&A Education & Awareness LP&R Local Plans & Regulations
LM	EC Extreme Cold EH Excessive Heat	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL	EQ Earthquake F Flood	
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-16
East Peoria Drainage & Levee District Hazard Mitigation Actions
(Sheet 2 of 3)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Purchase and install an emergency backup generator at levee pumphouse to establish a resilient and reliable power supply, ensure sustained functionality during extended power outages, maintain continuity of operations and mitigate risk to a Community Lifeline.	F, LF, SS	S&S	S&IP	Large SVI: 0.1013 – 0.2934	---	Yes	3, 5	HM	Medium/High	EPDLD Commissioners	3 years	EPDLD / FEMA HMGP/ BRIC	New
Bury power lines to critical infrastructure establish a resilient and reliable power supply, limit service disruptions, and mitigate risk to a Community Lifeline.	DF, EQ, F, LF, MMH, SS, SWS, T	S&S	S&IP	Large SVI: 0.1013 – 0.2934	Yes	Yes	3, 5	HM	Medium/High	EPDLD Commissioners	5 years	EPDLD / FEMA HMGP/ BRIC	New
Dredge Farm Creek to remove built-up sediment and debris, increase capacity, alleviate drainage/flood problems, and mitigate risk to a Community Lifeline.	F, SS	S&S	S&IP	Medium SVI: 0.1013 – 0.2934	---	Yes	3, 5	HM	High/High	EPDLD Commissioners	5 years	EPDLD / Legislative Award	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by small drainage and levee districts. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	LF	Levee Failure	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	SS	Severe Storms				
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SWS	Severe Winter Storm				
		EQ	Earthquake	T	Tornado				
		F	Flood						
						Community Lifelines to be Mitigated:			
		C	Communications	H&M	Health & Medical				
		E	Energy (Power & Fuel)	S&S	Safety & Security				
		FWS	Food, Water, Shelter	T	Transportation				
		HM	Hazardous Material						

Figure MIT-16
East Peoria Drainage & Levee District Hazard Mitigation Actions
(Sheet 3 of 3)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [‡]	Status
					New	Existing							
Install riprap at Farm Creek/Tractor Drive Bridge to protect bridge and channel from scour and erosion.	F, SS	T	S&IP	Small SVI: 0.1013 – 0.2934	---	Yes	3, 5	HM	Medium/High	EPDLD Commissioners	5 years	EPDLD	New
Implement erosion control measures along EPDLP and EPSD – Farm Creek LB/Cole Creek RB levee at Millwater Pond to protect levee from failure due to repeated wave action caused by recurring heavy rain/flood events.	F, SS	S&S	S&IP	Small SVI: 0.1013 – 0.2934	---	Yes	3, 5	HM	Medium/Medium	EPDLD Commissioners	5 years	EPDLD / FEMA FMA	New
Make public information materials available to District residents that detail the risks to life and property associated with natural and man-made hazards that impact the District and the proactive actions that they can take to reduce their risks.	DF, DR, EC, EH, EQ, F, LF, MMH, SS, SWS, T	---	E&A	Large SVI: 0.1706 – 0.5460	---	---	1, 2	LM	Low/Medium	EPDLD Commissioners	1-5 years	EPDLD	New
Provide the County EMA or partner with the County EMA to develop an Emergency Preparedness Plan/Inundation Map for the District that identifies the extent of potential failures (water depth, speed of onset, warning times, etc.) for the levee system to address identified data deficiencies.	LF	S&S	LP&R E&A	Large SVI: 0.1706 – 0.5460	---	---	2, 3, 5	LL	Low/Medium	EPDLD Commissioners	5 years	County / EPDLD	New

§ Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

† Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by small drainage and levee districts. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF Dam Failure DR Drought LF Levee Failure MMH Man-Made Hazard
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	EC Extreme Cold SS Severe Storms EH Excessive Heat SWS Severe Winter Storm
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EQ Earthquake T Tornado
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		NSP Natural Systems Protection S&IP Structure & Infrastructure Projects H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-17
Morton Hazard Mitigation Actions
(Sheet 1 of 9)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>Prairie Creek Flood Mitigation at Downtown Morton: Improve drainage structures carrying Prairie Creek under infrastructure from Plum Ave. into a drainage flume just south of First Ave. to increase carrying capacity, better manage stormwater runoff, alleviate recurring drainage/flood problems, and ensure system resilience and functionality. Recent work on a section of the structure revealed previously unknown manway connections into structures built over the structure. Additionally, a recent severe storm indicates that the actual capacity of the box culvert is likely less than or flow greater than originally anticipated. Improvements to this system likely include but are not limited to structure acquisition & demolition, hydrologic & hydraulic study, engineering & plan development, and construction.*</i>	F, SS	S&S T	S&IP	Medium SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	3, 5, 6	HM	High/High	President Village Board / Director of Public Works / Floodplain Manage	2-5 years	Village / FEMA FMA BRIC	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 16,500 individuals). The Village works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	L	Landslides	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	SS	Severe Storms	Community Lifelines to be Mitigated:			
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SWS	Severe Winter Storm				
		EQ	Earthquake	T	Tornado	C	Communications	H&M	Health & Medical
		F	Flood			E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-17
Morton Hazard Mitigation Actions
(Sheet 2 of 9)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Ackerman Creek Flood Plan Study, Stream Bed & Bank Erosion Stabilization, Sanitary Sewer Protection & Flood-prone properties/areas mitigation: Make improvements to Ackerman Creek located in the northwest corporate limits of the Village near N. Pleasant Hill Rd. and Veterans Rd. to relieve hydraulic congestion and reduce flood stages within the Creek, its tributaries, and the watershed. The creek often experiences large volume peak flows from upstream in the watershed. Critical infrastructure, including Wastewater Treatment Plant #3, sewer collection truckline "3 North", and Norfolk Southern Railroad, are located near and/or within the current floodplain of Ackerman Creek and have been impacted in the past by flood event. Improvements to this system likely include but are not limited to structure acquisition & demolition (buyouts), hydrologic & hydraulic study, engineering & plan development, and construction for stream stabilization and bed bank restoration.*	F, SS	S&S T	S&IP	Medium SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	3, 5, 6	HM	High/High	President Village Board / Director of Public Works / Floodplain Manage	2-5 years	Village / FEMA FMA BRIC	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 16,500 individuals). The Village works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	L	Landslides	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	SS	Severe Storms	Community Lifelines to be Mitigated:			
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SWS	Severe Winter Storm				
		EQ	Earthquake	T	Tornado	C	Communications	H&M	Health & Medical
		F	Flood			E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-17
Morton Hazard Mitigation Actions
(Sheet 3 of 9)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>Prairie Creek Channel, Floodplain & Tailwaters Improvements:</i> Make improvements to the 3.1 mile unimproved reach of Prairie Creek located between Queenwood Rd. and Allentown Rd., which serves as a discharge for a large portion of the developed watershed within the Village. The improvements will help maintain the creek's current flood control function for the upstream watershed and correct damages occurring within the downstream watershed. Improvements likely include but are not limited to land acquisition, hydrologic & hydraulic study, engineering & plan development, and construction.	F, SS	S&S T	S&IP NSP	Small SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	3, 5, 6	HM	High/High	President Village Board / Director of Public Works / Floodplain Manage	5 years	Village / FEMA FMA BRIC	Existing (2019)
<i>Prairie Creek Headwaters Improvements:</i> Make improvements to the Village's Detroit Parkway Detention Basin at the headwaters of Prairie Creek to help protect both upstream and downstream properties within the watershed from flooding problems. Improvements/expansion of this existing regional detention basin likely includes but is not limited to land acquisition, hydrologic & hydraulic study, engineering & plan development, and construction.	F, SS	S&S T	S&IP NSP	SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	3, 5, 6	HM	High/High	President Village Board / Director of Public Works / Floodplain Manage	2-5 years	Village / FEMA FMA BRIC	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 16,500 individuals). The Village works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure L Landslides	E&A Education & Awareness NSP Natural Systems Protection
LM	DR Drought MMH Man-Made Hazard	LP&R Local Plans & Regulations S&IP Structure & Infrastructure Projects
HL	EC Extreme Cold SS Severe Storms	
LL	EH Excessive Heat SWS Severe Winter Storm	
	EQ Earthquake T Tornado	
	F Flood	
	Community Lifelines to be Mitigated:	
	C Communications H&M Health & Medical	
	E Energy (Power & Fuel) S&S Safety & Security	
	FWS Food, Water, Shelter T Transportation	
	HM Hazardous Material	

Figure MIT-17
Morton Hazard Mitigation Actions
(Sheet 4 of 9)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>Bull Run Creek & Tributaries Detention Basin:</i> Develop a regional detention basin(s) and other related conveyance improvements upstream and alongside Bull Run Creek and its tributaries to relieve hydraulic congestion and reduce flood stages within the Creek, its tributaries and the watershed. Improvements likely include but are not limited to land acquisition, hydrologic & hydraulic study, engineering & plan development, and construction.	F, SS	S&S T	S&IP NSP	Small SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	3, 5, 6	HM	Medium/High	President Village Board / Director of Public Works / Floodplain Manage	2-5 years	Village / FEMA BRIC FMA	Existing (2019)
<i>Deer Creek Channel & Floodplain Improvements:</i> Make improvements to the 2.5-mile unimproved reach of Deer Creek located between I-74 and Queenwood Rd. which serves as a discharge for a portion of the eastern developed watershed within the Village. The improvements will help maintain the creek's current flood control function for the upstream watershed and correct damages occurring within the downstream watershed. Improvements likely include but are not limited to land acquisition, hydrologic & hydraulic study, engineering & plan development, and construction.	F, SS	S&S T	S&IP NSP	Small SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	3, 5, 6	HM	High/High	President Village Board / Director of Public Works / Floodplain Manage	2-5 years	Village / FEMA FMA BRIC	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 16,500 individuals). The Village works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	L	Landslides	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	SS	Severe Storms	Community Lifelines to be Mitigated:			
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SWS	Severe Winter Storm				
		EQ	Earthquake	T	Tornado	C	Communications	H&M	Health & Medical
		F	Flood			E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-17
Morton Hazard Mitigation Actions
(Sheet 5 of 9)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>Bull Run Creek Floodplain Mitigation Projects:</i> Elevate flood-prone residential structures located in the SFHA along/adjacent to Bull Run Creek and its tributary confluence at N. Ohio Ave. and Ohio Ct. and/or acquire the properties and remove any existing structures to alleviate flooding problems and mitigate the flood risk.*	F	S&S	S&IP	Small SVI: 0.1318 – 0.4867 EDRC: No	---	Yes	2, 6	HM	Medium/High	President Village Board / Director of Public Works / Floodplain Manage	2-5 years	Village / FEMA FMA BRIC	Existing (2019)
Conduct a drainage/hydraulic study to identify the cause(s) and determine the appropriate remedy(s) to address the failing drainage system associated with the at-grade crossing of N. Main St. and the Norfolk Southern Railroad on the northeast side of the Village. The study will be coordinated with the railroad. Construct the appropriate improvement(s)/ remedy(s) to alleviate drainage problems and better manage stormwater associated with the at-grade crossing. Coordinate the implementation of the appropriate remedy(s) with the railroad.	F, SS	T	LP&R S&IP	Small SVI: 0.1318 – 0.4867 EDRC: No	---	Yes	3, 5	LM	Medium/Medium	President Village Board / Director of Public Works	2-5 years	Village / Norfolk Southern / IDOT Local Roads	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 16,500 individuals). The Village works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure L Landslides	E&A Education & Awareness NSP Natural Systems Protection
	DR Drought MMH Man-Made Hazard	LP&R Local Plans & Regulations S&IP Structure & Infrastructure Projects
LM	EC Extreme Cold SS Severe Storms	
	EH Excessive Heat SWS Severe Winter Storm	
HL	EQ Earthquake T Tornado	Community Lifelines to be Mitigated:
	F Flood	C Communications H&M Health & Medical
LL		E Energy (Power & Fuel) S&S Safety & Security
		FWS Food, Water, Shelter T Transportation
		HM Hazardous Material

Figure MIT-17
Morton Hazard Mitigation Actions
(Sheet 6 of 9)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Bury power lines along N. Morton Ave. to Lettie Brown Elementary School & subdivisions north of Lakeview Dr. to minimize service disruptions, eliminate road blockages caused by downed lines, establish a resilient and reliable power supply, and mitigate risk to Community Lifelines. This area is heavily wooded and can only be accessed by N. Morton Ave.	EQ, MMH, SS, SWS, T	C E S&S T	S&IP	Small SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	2, 3, 5	HM	Medium/High	President Village Board / Director of Public Works	2-5 years	Village / FEMA BRIC	Existing (2019)
Trim trees and remove dead material along N. Morton Ave. to Lettie Brown Elementary School & subdivisions north of Lakeview Dr. to minimize utility service disruptions and road blockages, improve system resilience, and mitigate risk to Community Lifelines	SS, SWS, T	C E T	S&IP	Small SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	2, 3, 5	HM	Low/High	President Village Board / Director of Public Works	2-5 years	Village	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 16,500 individuals). The Village works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood	L Landslides MMH Man-Made Hazard SS Severe Storms SWS Severe Winter Storm T Tornado
LM		E&A Education & Awareness LP&R Local Plans & Regulations NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL		
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-17
Morton Hazard Mitigation Actions
(Sheet 7 of 9)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Collaborate with developers on any future development east of Hyde Park Dr. (located off of N. Morton Ave.) to ensure proper layout and construction of a roadway that provides secondary access to Lettie Brown Elementary School and subdivisions to the west to establish a Transportation Community Lifeline for emergency response personnel in the event the primary access road (N. Morton Ave.) is blocked.	EQ, F, MMH, SS, SWS, T	S&S T	LP&R	Small SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	3, 5	LM	Low/High	President Village Board / Director of Public Works	2-5 years	Village	Existing (2019)
Conduct sanitary sewer line reconnaissance study to identify locations where storm water infiltrates the lines to improve the capacity, function, and reliability of the Village's wastewater treatment plants and mitigate risk to Community Lifelines.	F, SS	FWS	LP&R	Medium SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	3, 4, 5	LM	Medium/Medium	President Village Board / Director of Public Works	5 years	Village	Existing (2019)
Repair/reline sewer line sections to eliminate stormwater infiltration, prevent sewage backups, and improve capacity, function, and reliability of the Village's sewer system.	F, SS	FWS	S&IP	Medium SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	3, 5	HM	Medium/High	President Village Board / Director of Public Works	5 years	Village / IEPA SRF – WPCLP	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 16,500 individuals). The Village works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood	L Landslides MMH Man-Made Hazard SS Severe Storms SWS Severe Winter Storm T Tornado
LM		E&A Education & Awareness LP&R Local Plans & Regulations
HL		NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-17
Morton Hazard Mitigation Actions
(Sheet 8 of 9)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Distribute public information materials that informs residents of the risks to life and property associated with natural and man-made hazards and the proactive actions that they can take to reduce or eliminate their risks.	DF, DR, EC, EH, EQ, F, L, MMH, SS, SWS, T	---	E&A	Large SVI: 0.1318 – 0.4867 EDRC: No	---	---	1, 2	LM	Low/Medium	President / Village Board	1-5 years	Village	New
Review new Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to exceed federal standards and reflect the revised FIRMs and present both for adoption. Enforce flood ordinance to ensure new development does not increase flood vulnerability or create unintended exposures to flooding.*	F	S&S	LP&R	Small SVI: 0.1318 – 0.4867 EDRC: No	Yes	Yes	1, 2, 6, 7	HM	Low/Medium	President Village Board / Zoning & Code Enforcement Officer	1-5 years	Village	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 16,500 individuals). The Village works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure L Landslides	E&A Education & Awareness NSP Natural Systems Protection
	DR Drought MMH Man-Made Hazard	LP&R Local Plans & Regulations S&IP Structure & Infrastructure Projects
LM	EC Extreme Cold SS Severe Storms	
	EH Excessive Heat SWS Severe Winter Storm	
HL	EQ Earthquake T Tornado	Community Lifelines to be Mitigated:
	F Flood	C Communications H&M Health & Medical
LL		E Energy (Power & Fuel) S&S Safety & Security
		FWS Food, Water, Shelter T Transportation
		HM Hazardous Material

Figure MIT-17
Morton Hazard Mitigation Actions
(Sheet 9 of 9)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Continue to make the most recent Flood Insurance Rate Maps available at the Planning & Community Development Office to assist the public in considering where to construct new buildings.*	F	S&S	E&A	Small SVI: 0.1318 – 0.4867 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Medium	Zoning & Code Enforcement Officer / Planning & Community Development	1-5 years	Village	Existing (2019)
Continue to make Village officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.*	F	S&S	E&A	Small SVI: 0.1318 – 0.4867 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Medium	Zoning & Code Enforcement Officer / Planning & Community Development	1-5 years	Village	Existing (2019)
Evaluate the feasibility of participating in the National Flood Insurance Program's voluntary Community Rating System.*	F	S&S	LP&R	Small SVI: 0.1318 – 0.4867 EDRC: No	---	---	4	LM	Low/Medium	Zoning & Code Enforcement Officer / Planning & Community Development	3-5 years	Village	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 16,500 individuals). The Village works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought	E&A Education & Awareness LP&R Local Plans & Regulations
LM	EC Extreme Cold EH Excessive Heat	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL	EQ Earthquake F Flood	
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-18
Pekin Hazard Mitigation Actions
(Sheet 1 of 5)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Become officially designated a StormReady Community through the National Weather Service.	DF, DR, EC, EH, EQ, F, L, MS, SS, SWS, T	---	E&A	Large SVI: 0.1706 – 0.5460 EDRC: No	---	---	2, 4	LM	Low/Medium	Fire Chief / Emergency Manager	2 years	City	New
<i>Combined Sewer Overflow Project:</i> Connect the combined sewer overflow discharge to the City's new wastewater treatment plant to reduce overflows resulting from heavy rain events that overwhelm the system.	F, SS	FWS	S&IP	Medium SVI: 0.1706 – 0.5460 EDRC: No	--	Yes	2, 3, 5	HM	Medium/Medium	Public Works Director	3-5 years	City / IEPA SRF – WPCLP	New
Implement a community-wide mass notification system (such as reverse 911) that has the ability to select or target certain areas to deliver pertinent information to the public related hazard event conditions.	DF, EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	---	LP&R E&A	Large SVI: 0.1706 – 0.5460 EDRC: No	---	---	2	HM	Medium/High	Fire Chief / Emergency Manager / Police Chief	3-5 years	City	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 32,400 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure L Landslides	E&A Education & Awareness NSP Natural Systems Protection
	DR Drought MMH Man-Made Hazard	LP&R Local Plans & Regulations S&IP Structure & Infrastructure Projects
LM	EC Extreme Cold MS Mine Subsidence	
	EH Excessive Heat SS Severe Storms	
HL	EQ Earthquake SWS Severe Winter Storm	Community Lifelines to be Mitigated:
	F Flood T Tornado	C Communications H&M Health & Medical
LL		E Energy (Power & Fuel) S&S Safety & Security
		FWS Food, Water, Shelter T Transportation
		HM Hazardous Material

Figure MIT-18
Pekin Hazard Mitigation Actions
(Sheet 2 of 5)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Slip line sanitary sewer line sections/mains to eliminate stormwater infiltration, increase system resilience, prevent sewage backups, and mitigate risk to a Community Lifeline.	F, SS	FWS	S&IP	Medium SVI: 0.1706 – 0.5460 EDRC: No	Yes	Yes	3, 5	HM	Medium/High	Public Works Director	5 years	City / IEPA SRF - WPCLP	New
Conduct stormwater and sanitary sewer system reconnaissance study to identify obstructions and locations where storm water infiltrates the systems to improve the capacity, function, and reliability of the City's wastewater treatment plant and mitigate risk to Community Lifeline. Develop a program to monitor lines for future problems, identifying areas which are particularly susceptible to flood events.	F, SS	FWS	LP&R	Large SVI: 0.1706 – 0.5460 EDRC: No	---	---	3, 5	LM	Medium/Medium	Public Works Director	5 years	City / IEPA SRF – WPCLP	New
Conduct a City-wide tree survey of mature and aging trees and develop a long-term management plan to reduce ongoing damages to utilities and other infrastructure as well as public and private property. The plan will address the removal of trees as well as replacement with properly selected new trees to maintain existing tree canopy in an effort to reduce heat island effects.	EH, SS, SWS, T	C E T	LP&R E&A	Medium SVI: 0.1706 – 0.5460 EDRC: No	---	---	2, 3, 4, 5	LM	Medium/Medium	Public Works	4 years	City	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 32,400 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	L	Landslides	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	MS	Mine Subsidence	Community Lifelines to be Mitigated:			
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SS	Severe Storms				
		EQ	Earthquake	SWS	Severe Winter Storm	C	Communications	H&M	Health & Medical
		F	Flood	T	Tornado	E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-18
Pekin Hazard Mitigation Actions
(Sheet 3 of 5)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Study potential impacts from mines subsidence within the City, determine what residential areas are most at risk and the impact on infrastructure, utilities, and public safety.	MS	C E FWS HM H&M T	LP&R E&A	Medium SVI: 0.1706 – 0.5460 EDRC: No	---	---	3, 4, 5, 8	LL	Low/medium	Public Works Director / Fire Chief / Emergency Manager	5 years	City	New
Purchase and install a new, comprehensive storm warning system to ensure maximum coverage, including currently underserved areas, maximize the system's effectiveness and establish/ensure continued operation of a Community Lifeline essential to human health and safety. The system will be compatible with the County's new P25 radio system and include a public address feature as well as integrate the latest warning technology from the National Weather Service.	SS, T	C	S&IP E&A	Large SVI: 0.1706 – 0.5460 EDRC: No	---	---	2	HM	High/High	Fire Chief / Emergency Manager	5 years	City / FEMA BRIC HMGP	New
Conduct a field survey of the entire storm sewer system and update GIS maps. The updated maps will be used to identify areas where localized flooding is likely to occur. Construct/incorporate stormwater best management practices (BMPs) to eliminate or prevent future damage from flooding.	SS, F	FWS T	LP&R E&A S&IP	Large SVI: 0.1706 – 0.5460 EDRC: No	Yes	Yes	3, 4, 5	HM	High/High	Public Works	3-5 years	City / FEMA BRIC FMA / IEPA SRF – WPCLP	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 32,400 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure L Landslides	E&A Education & Awareness NSP Natural Systems Protection
	DR Drought MMH Man-Made Hazard	LP&R Local Plans & Regulations S&IP Structure & Infrastructure Projects
LM	EC Extreme Cold MS Mine Subsidence	
	EH Excessive Heat SS Severe Storms	
HL	EQ Earthquake SWS Severe Winter Storm	Community Lifelines to be Mitigated:
	F Flood T Tornado	C Communications H&M Health & Medical
LL		E Energy (Power & Fuel) S&S Safety & Security
		FWS Food, Water, Shelter T Transportation
		HM Hazardous Material

Figure MIT-18
Pekin Hazard Mitigation Actions
(Sheet 4 of 5)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Distribute public information materials that informs residents of the risks to life and property associated with natural and man-made hazards and the proactive actions that they can take to reduce or eliminate their risks.	DF, DR, EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	---	E&A	Large SVI: 0.1706 – 0.5460 EDRC: No	---	---	1, 2	LM	Low/Medium	Emergency Manager	1-5 years	City	New
Develop Emergency Action Plans (EAPs) for Sunset Hills Lake Dam 1 & 2 that identifies the extent (water depth, speed of onset, warning times, etc.) and locations (inundation areas) of potential dam failures to address data deficiencies.	DF	S&S	LP&R E&A	Small SVI: 0.1706 – 0.5460 EDRC: No	---	---	2, 3, 5	LL	Low/Medium	Emergency Manager	1-5 years	City	New
Evaluate critical facilities and shelters to determine their resistance to natural hazards and recommend ways to strengthen or harden these facilities.	DF, EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	C FWS H&M S&S	LP&R	Large SVI: 0.1706 – 0.5460 EDRC: No	---	---	3, 5	LM	Low/Medium	Mayor City Council / Public Works Director	5 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 32,400 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought	E&A Education & Awareness LP&R Local Plans & Regulations
LM	EC Extreme Cold EH Excessive Heat	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL	EQ Earthquake F Flood	
LL	MS Mine Subsidence SS Severe Storms SWS Severe Winter Storm T Tornado	
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-18
Pekin Hazard Mitigation Actions
(Sheet 5 of 5)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Review new Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to exceed federal standards and reflect the revised FIRMs and present both for adoption. Enforce flood ordinance to ensure new development does not increase flood vulnerability or create unintended exposures to flooding.*	F	S&S	LP&R	Small SVI: 0.1706 – 0.5460 EDRC: No	Yes	Yes	1, 2, 6, 7	HM	Low/High	Mayor City Council / Building & Community Development Director	1-5 years	City	Existing (2019)
Continue to make the most recent Flood Insurance Rate Maps available at the Community Development office to assist the public in considering where to construct new buildings.*	F	S&S	E&A	Small SVI: 0.1706 – 0.5460 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Medium	Building & Community Development Director / Community Development	1-5 years	City	Existing (2019)
Continue to make City officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.*	F	S&S	E&A	Small SVI: 0.1706 – 0.5460 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Medium	Building & Community Development Director / Community Development	1-5 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 32,400 individuals). The City works hard to maintain critical of services to its residents. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	L	Landslides	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	MS	Mine Subsidence	Community Lifelines to be Mitigated:			
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SS	Severe Storms				
		EQ	Earthquake	SWS	Severe Winter Storm	C	Communications	H&M	Health & Medical
		F	Flood	T	Tornado	E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-19
Pekin Park District Hazard Mitigation Actions

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Implement the drainage improvement recommendations of the <i>Mineral Springs Park – Comprehensive Infrastructure Maintenance and Capitol Improvement Planning Study</i> . The Study identifies improvements associated with the parking lot and roads including the installation of detention islands, bio-swales, and detention basins along with stormwater infrastructure improvements, when possible, to increase drainage capacity, better manage stormwater runoff, and ensure system resilience and functionality during heavy rain events.	F, SS	T	S&IP	Large SVI: 0.1706 – 0.5460	---	Yes	3, 5	HM	High/High	Executive Director / Superintendent of Parks	3-5 years	Park District / FEMA BRIC	New
Make public information materials available that inform residents of the risks to life and property associated with natural and man-made hazards and the proactive actions that they can take to reduce or eliminate their risks.	DF, DR, EC, EH, EQ, F, L, MMH, MS, SS, SWS, T	---	E&A	Large SVI: 0.1706 – 0.5460	---	---	1, 2	LM	Low/Medium	Executive Director / Superintendent of Parks	1-5 years	Park District	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by park districts of this size (approx. 35,000 individuals). Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	EC	Extreme Cold	MS	Mine Subsidence	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EH	Excessive Heat	SS	Severe Storms	Community Lifelines to be Mitigated:			
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EQ	Earthquake	SWS	Severe Winter Storm				
		F	Flood	T	Tornado	C	Communications	H&M	Health & Medical
		L	Landslides			E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-20
Tremont Hazard Mitigation Actions
(Sheet 1 of 3)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>Tiber Creek Watershed Study & System Improvements:</i> Conduct a study to locate and identify the elements of the existing storm sewer system and create a GIS database/map. The data collected will be used to develop a stormwater model of the two square mile Tiber Creek watershed. The modeling results will be used to identify buildings and infrastructure at risk of flooding and overflows. Improvement scenarios will be reviewed and the best remedy(s) will be constructed to better manage stormwater runoff, alleviate drainage/flooding problems, and ensure overall system resilience and functionality.	F, SS	FWS S&S T	LP&R S&IP	Medium SVI: 0.2146 EDRC: No	Yes	Yes	3, 4, 5	HM	High/High	President / Village Board	5 years	Village / FEMA BRIC FMA / IEPA SRF – WPCLP	New
Distribute public information materials that informs residents of the risks to life and property associated with natural and man-made hazards and the proactive actions that they can take to reduce or eliminate their risks.	DR, EC, EH, EQ, F, MMH, SS, SWS, T	---	E&A	Large SVI: 0.2146 EDRC: No	---	---	1, 2	LM	Low/Medium	Emergency Manager	1-5 years	Village	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 2,300 individuals). The Village works hard to maintain critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood	MMH Man-Made Hazard SS Severe Storms SWS Severe Winter Storm T Tornado
LM		E&A Education & Awareness LP&R Local Plans & Regulations
HL		NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-20
Tremont Hazard Mitigation Actions
(Sheet 2 of 3)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Purchase and install a new electronic warning siren system with public address capabilities within the Village.	SS, T	C	S&IP	Large SVI: 0.2146 EDRC: No	---	---	2	HM	Medium/High	President / Village Board	3-5 years	Village	Existing (2019)
Review new Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to exceed federal standards and reflect the revised FIRMs and present both for adoption. Enforce flood ordinance to ensure new development does not increase flood vulnerability or create unintended exposures to flooding.*	F	S&S	LP&R	Small SVI: 0.2146 EDRC: No	Yes	Yes	1, 2, 6, 7	HM	Low/Low	President / Village Board	1-5 years	Village	Existing (2019)
Continue to make the most recent Flood Insurance Rate Maps available at the Village Clerk's Office to assist the public in considering where to construct new buildings.*	F	S&S	LP&R	Small SVI: 0.2146 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Low	President / Village Clerk	1-5 years	Village	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 2,300 individuals). The Village works hard to maintain critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood	E&A Education & Awareness LP&R Local Plans & Regulations
LM	MMH Man-Made Hazard SS Severe Storms SWS Severe Winter Storm T Tornado	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL		
LL		
	Community Lifelines to be Mitigated:	
	C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material	H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-20
Tremont Hazard Mitigation Actions
(Sheet 3 of 3)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Continue to make Village officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.*	F	S&S	LP&R	Small SVI: 0.2146 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Low	President / Village Clerk	1-5 years	Village	Existing (2019)
Evaluate the feasibility of participating in the National Flood Insurance Program's voluntary Community Rating System.	F	S&S	E&A LP&R	Small SVI: 0.2146 EDRC: No	---	---	4	LM	Low/Low	President / Village Clerk	3-5 years	Village	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a village of this size (approx. 2,300 individuals). The Village works hard to maintain critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	EC	Extreme Cold	SS	Severe Storms	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
		EH	Excessive Heat	SWS	Severe Winter Storm				
		EQ	Earthquake	T	Tornado				
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	F	Flood			Community Lifelines to be Mitigated:			
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards					C	Communications	H&M	Health & Medical
						E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-21
Tri-County Regional Planning Commission Hazard Mitigation Actions
(Sheet 1 of 6)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Prepare an Urban Heat Island (UHI) study to: - identify the extent, intensity, and variability of the UHI effect in the Tri-County region with a focus on underserved and vulnerable communities; - analyze and document the risks/impacts the UHI effect poses on transportation, health, environmental, and community factors and identify the demographics and geographical areas with higher risk; - conduct a tree canopy analysis and include recommendations on how to maintain existing and expand tree canopy; - identify best management practices and case studies of UHI reduction opportunities, and prioritize the mitigation strategies; and provide recommendations for incorporating UHI mitigation projects into regional and MPO plans.	EH, F, SS	---	LP&R	Large SVI: 0.0226 – 0.6785	---	---	1, 2, 3, 4, 5	LM	Medium/Medium	Executive Director / Planning Commission	3-5 years	Planning Commission / NIHHS-CAPA Urban Heat Island Mapping Campaign / USEPA EJ TCGM Program	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by the jurisdictions served by the Commission. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure	E&A Education & Awareness
	DR Drought	NSP Natural Systems Protection
LM	EC Extreme Cold	LP&R Local Plans & Regulations
	EH Excessive Heat	S&IP Structure & Infrastructure Projects
HL	EQ Earthquake	
	F Flood	Community Lifelines to be Mitigated:
LL	L Landslides	C Communications
		E Energy (Power & Fuel)
		FWS Food, Water, Shelter
		HM Hazardous Material
		H&M Health & Medical
		S&S Safety & Security
		T Transportation

Figure MIT-21
Tri-County Regional Planning Commission Hazard Mitigation Actions
(Sheet 2 of 6)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Develop a Regional Resilience Plan for the Tri-County region to assess vulnerabilities to current and future weather events and natural disasters and changing conditions, to plan transportation improvements and emergency response strategies to address those vulnerabilities.	EC, EH, EQ, F, L, MS, SS, SWS, T	T	LP&R	Large SVI: 0.0226 – 0.6785	--	---	1, 2, 3, 4, 5	LM	Medium/Medium	Executive Director / Planning Commission	2-3 years	Planning Commission / FHWA PROTECT	New
Improve accessibility and safety at bus stop locations within the Greater Peoria Mass Transit District impacted by hazard events, such as flooding, through the implementation of the recommendations of <i>Bus Stop Condition Inventory and Analysis Study</i> .	F, L, SS, SWS	T	LP&R	Small SVI: 0.0226 – 0.6785	---	---	2, 3, 4, 5	LM	Medium/Medium	Executive Director / Planning Commission	3-5 years	GPMTD / Planning Commission	New
Distribute public information materials that informs residents of the risks to life and property associated with natural and man-made hazards and the proactive actions that they can take to reduce or eliminate their risks.	DF, DR, EC, EH, EQ, F, L, LF, MMH, MS, SS, SWS, T	---	E&A	Large SVI: 0.0226 – 0.6785	---	---	1, 2	LM	Low/Medium	Executive Director / Planning Commission	1-5 years	Planning Commission	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by the jurisdictions served by the Commission. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure	E&A Education & Awareness
	DR Drought	NSP Natural Systems Protection
LM	EC Extreme Cold	LP&R Local Plans & Regulations
	EH Excessive Heat	S&IP Structure & Infrastructure Projects
HL	EQ Earthquake	
	F Flood	Community Lifelines to be Mitigated:
LL	L Landslides	C Communications
		E Energy (Power & Fuel)
		FWS Food, Water, Shelter
		HM Hazardous Material
		H&M Health & Medical
		S&S Safety & Security
		T Transportation

Figure MIT-21
Tri-County Regional Planning Commission Hazard Mitigation Actions
(Sheet 3 of 6)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Identify areas where erosion is or will occur (such as steep slopes & stream banks) and incorporate/construct erosion-focused best management practices (BMPs) where possible to eliminate/prevent future damage occurring from natural hazards.	F, L, SS	---	NSP	Small SVI: 0.0226 – 0.6785	Yes	Yes	2, 3, 4, 5, 6	HM	Medium/Medium	Executive Director / Planning Commission	1-5 years	Municipalities Counties / IEPA GIGO	Existing (2019)
Identify areas where flooding is or will occur (such as non-permeable surfaces) and incorporate/construct stormwater management-focused best management practices (BMPs) where possible to eliminate/prevent future damage from occurring.	F, SS	S&S	NSP S&IP	Small SVI: 0.0226 – 0.6785	---	Yes	2, 3, 4, 5, 6	HM	Medium/Medium	Executive Director / Planning Commission	1-5 years	Municipalities Counties / FEMA FMA/BRIC	Existing (2019)
Educate Tri-County area residents about the benefits of stormwater management practices in their communities and on their personal property.	F, SS	S&S	E&A	Medium SVI: 0.0226 – 0.6785	---	---	1, 2	LM	Low/Medium	Executive Director / Planning Commission	1-5 years	Planning Commission / Municipalities Counties	Existing (2019)
Construct the appropriate remedy(s) to alleviate recurring drainage problems within the region.	F, SS	S&S	S&IP NSP	Medium SVI: 0.0226 – 0.6785	Yes	Yes	2, 3, 5	HM	Medium/Medium	Executive Director / Planning Commission	2-4 years	Municipalities Counties / FEMA FMA/BRIC	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by the jurisdictions served by the Commission. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought	E&A Education & Awareness LP&R Local Plans & Regulations
LM	EC Extreme Cold EH Excessive Heat	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL	EQ Earthquake F Flood	
LL	L Landslides	
	LF Levee Failure MMH Man-Made Hazard MS Mine Subsidence SS Severe Storms SWS Severe Winter Storm T Tornado	
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-21
Tri-County Regional Planning Commission Hazard Mitigation Actions
(Sheet 4 of 6)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Reshape/regrade select high impact drainage areas in the region to alleviate drainage/flooding problems, increase carrying capacity, better manage stormwater runoff, and increase community resilience.	F, SS	T	S&IP	Small SVI: 0.0226 – 0.6785	---	Yes	2, 3, 5	HM	Medium/Medium	Executive Director / Planning Commission	2-5 years	Municipalities Counties / IDOT Local Roads	Existing (2019)
Remove debris, vegetative overgrowth, and/or brush from streams and creeks within the region to maximize flow/carrying capacity, better manage stormwater runoff, and reduce/prevent drainage problems.	F, SS	S&S	S&IP	Small SVI: 0.0226 – 0.6785	---	Yes	3, 4, 5	HM	Low/Medium	Executive Director / Planning Commission	1-5 years	Municipalities Counties	Existing (2019)
Remove debris, sediment, and obstructions from ditches, culverts, and bridges and implement best management practices (BMPs) to maximize carrying capacity, better manage stormwater runoff and reduce/prevent drainage/flooding problems.	F, SS	S&S	S&IP	Small SVI: 0.0226 – 0.6785	Yes	Yes	3, 4, 5	HM	Low/Medium	Executive Director / Planning Commission	1-5 years	Municipalities Counties	Existing (2019)
Construct upstream detention basins, channelize/reshape tributaries and extend storm sewer lines to better manage stormwater runoff, increase carrying capacity, and alleviate drainage/flooding problems.	F, SS	S&S	S&IP	Small SVI: 0.0226 – 0.6785	Yes	Yes	2, 3, 5	HM	High/High	Executive Director / Planning Commission	3-5 years	Municipalities Counties / FEMA FMA/BRIC	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by the jurisdictions served by the Commission. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure	E&A Education & Awareness
	DR Drought	LP&R Local Plans & Regulations
LM	EC Extreme Cold	NSP Natural Systems Protection
	EH Excessive Heat	S&IP Structure & Infrastructure Projects
HL	EQ Earthquake	
	F Flood	Community Lifelines to be Mitigated:
LL	L Landslides	C Communications
		E Energy (Power & Fuel)
		FWS Food, Water, Shelter
		HM Hazardous Material
		H&M Health & Medical
		S&S Safety & Security
		T Transportation

Figure MIT-21
Tri-County Regional Planning Commission Hazard Mitigation Actions
(Sheet 5 of 6)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Educate landowners on the importance of implementing stormwater management-related best management practices (BMPs) to reduce nutrient loss and topsoil from agricultural fields and urbanized areas.	F, SS	S&S	E&A	Large SVI: 0.0226 – 0.6785	---	---	1, 6	LM	Low/Medium	Executive Director / Planning Commission	1-5 years	Planning Commission / Counties	Existing (2019)
Conduct watershed studies to identify potential flood mitigation activities and determine best management practices (BMPs).	F, SS	S&S	LP&R	Medium SVI: 0.0226 – 0.6785	---	---	3, 4, 5, 6, 8	LM	Low/Medium	Executive Director / Planning Commission	1-5 years	Counties / IEPA Section 319(h)	Existing (2019)
Conduct a study to identify, evaluate and/or implement potential measures to reduce the impacts of drought on the region's water supply.	DR	FWS	LP&R	Medium SVI: 0.0226 – 0.6785	---	---	2, 3, 4, 5	LL	Low/Medium	Executive Director / Planning Commission	2-4 years	Municipalities Counties	Existing (2019)
Target FEMA's Repetitive Loss Properties for potential mitigation projects.	F	S&S	LP&R	Small SVI: 0.0226 – 0.6785	---	---	2, 6	LM	Low/Medium	Executive Director / Planning Commission	1-5 years	Municipalities Counties / Planning Commission	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by the jurisdictions served by the Commission. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	DF	Dam Failure	LF	Levee Failure	E&A	Education & Awareness	NSP	Natural Systems Protection
	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
LM	EC	Extreme Cold	MS	Mine Subsidence				
	EH	Excessive Heat	SS	Severe Storms				
HL	EQ	Earthquake	SWS	Severe Winter Storm	Community Lifelines to be Mitigated:			
	F	Flood	T	Tornado	C	Communications	H&M	Health & Medical
LL	L	Landslides			E	Energy (Power & Fuel)	S&S	Safety & Security
					FWS	Food, Water, Shelter	T	Transportation
					HM	Hazardous Material		

Figure MIT-21
Tri-County Regional Planning Commission Hazard Mitigation Actions
(Sheet 6 of 6)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Universal siren protocol for Tri- County area: Coordinate among all agencies to ensure rapid and comprehensive dissemination of necessary information and of response operations.	SS, T	C	LP&R	Large SVI: 0.0226 – 0.6785	---	---	2	LM	Low/High	Executive Director / Planning Commission	2-4 years	Planning Commission / Municipalities Counties	Existing (2019)
Contact NRCS regarding opportunities for technical and financial assistance for drought preparedness and response.	DR	---	E&A	Large SVI: 0.0226 – 0.6785	---	---	2, 3, 5	LL	Low/Medium	Executive Director / Planning Commission	3-5 years	Planning Commission	Existing (2019)
Partner with Parent Teacher Associations and local schools to develop an annual children's and teacher's educational program which focuses on teaching children and adults about hazard seasons, effects, and mitigation opportunities.	DF, DR, EC, EH, EQ, F, L, LF, MMH, MS, SS, SWS, T	---	E&A	Medium SVI: 0.0226 – 0.6785	---	---	1, 2	LM	Low/Medium	Executive Director / Planning Commission	1-5 years	Planning Commission	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by the jurisdictions served by the Commission. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure	E&A Education & Awareness
	DR Drought	LP&R Local Plans & Regulations
LM	EC Extreme Cold	NSP Natural Systems Protection
	EH Excessive Heat	S&IP Structure & Infrastructure Projects
HL	EQ Earthquake	
	F Flood	Community Lifelines to be Mitigated:
LL	L Landslides	C Communications
		E Energy (Power & Fuel)
		FWS Food, Water, Shelter
		HM Hazardous Material
		H&M Health & Medical
		S&S Safety & Security
		T Transportation

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 1 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>Stormwater Assessment and Management Report Project C – Grandyle Drive Storm Sewer:</i> Add relief storm sewer for neighborhood drainage along Grandyle Drive to alleviate overflows, increase capacity, better manage stormwater runoff, and ensure overall system resilience and functionality. The neighborhood west of Central School has a large network of storm sewers and detention ponds that convey drainage from over 50 acres to Tributary 2. Storm sewer improvements would provide additional capacity and relieve flooding residents experience.	F, SS	FWS T	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	2, 3, 5	HM	Medium/High	Mayor City Council/ Public Works Director	1-3 years	City / FEMA BRIC/FMA / IEPA SRF – WPCLP	New
<i>Stormwater Assessment and Management Report Project B – Northridge Lane Backyard Storm Sewer Truck Line:</i> Install 36"/48" storm sewer along a portion of Linn Hill Ln. and Northridge Ln. to divert stormwater from backyards to alleviate flooding problems, better manage stormwater runoff, and ensure overall system resilience and functionality.	F, SS	S&S	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	2, 3, 5	HM	Medium/High	Mayor City Council/ Public Works Director	1-3 years	City / FEMA BRIC/FMA / IEPA SRF – WPCLP	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure L Landslides	E&A Education & Awareness NSP Natural Systems Protection
LM	DR Drought MMH Man-Made Hazard	LP&R Local Plans & Regulations S&IP Structure & Infrastructure Projects
HL	EC Extreme Cold SS Severe Storms	
LL	EH Excessive Heat SWS Severe Winter Storm	
	EQ Earthquake T Tornado	
	F Flood	
		Community Lifelines to be Mitigated:
		C Communications H&M Health & Medical
		E Energy (Power & Fuel) S&S Safety & Security
		FWS Food, Water, Shelter T Transportation
		HM Hazardous Material

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 2 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>Stormwater Assessment and Management Report Project U – Locust Street Storm Sewer:</i> Install a new storm sewer system in a neighborhood bounded by Linsley St., Locust St., Linden St., and Sterling St. to alleviate flooding problems, better manage stormwater runoff, and ensure overall system resilience and functionality. Currently flat terrain and small culverts slow water down and nearby houses are flooded. Construction of a new storm sewer from Linden St. to the drainage ditch east of the neighborhood would alleviate flooding.	F, SS	S&S	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	2, 3, 5	HM	Medium/High	Mayor City Council/ Public Works Director	1-3 years	City / FEMA BRIC/FMA / IEPA SRF – WPCLP	New
<i>Stormwater Assessment and Management Report Project Q – Knollaire Drive Storm Sewer:</i> Add relief storm sewer along Knollaire Dr. to divert flow away from backyards to alleviate flooding problems, better manage stormwater runoff, and ensure overall system resilience and functionality. Low spots along Lynnhaven Dr. and Belaire Dr. near Knollaire Dr. fill during heavy rain events and nearby homes are likely impacted. A relief storm sewer will reduce flood frequency for this area.	F, SS	S&S	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	2, 3, 5	HM	Medium/High	Mayor City Council/ Public Works Director	1-3 years	City / FEMA BRIC/FMA / IEPA SRF – WPCLP	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it’s a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure L Landslides	E&A Education & Awareness NSP Natural Systems Protection
	DR Drought MMH Man-Made Hazard	LP&R Local Plans & Regulations S&IP Structure & Infrastructure Projects
LM	EC Extreme Cold SS Severe Storms	
	EH Excessive Heat SWS Severe Winter Storm	
HL	EQ Earthquake T Tornado	Community Lifelines to be Mitigated:
	F Flood	C Communications H&M Health & Medical
LL		E Energy (Power & Fuel) S&S Safety & Security
		FWS Food, Water, Shelter T Transportation
		HM Hazardous Material

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 3 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>Stormwater Assessment and Management Report Project A – Meadowview Lane and Northridge Lane Storm Sewer:</i> Install 24"/36" storm sewers along Meadowview Ln. to Northridge Ln. to alleviate flooding problems, better manage stormwater runoff, and ensure overall system resilience and functionality. The neighborhood northeast of Washington Rd. and Summit Dr. experiences flooding along some of its overland flow paths, which travel through private property and along homes. Construction of a storm sewer will improve drainage conditions and alleviate flooding.	F, SS	S&S	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	2, 3, 5	HM	Medium/High	Mayor City Council/ Public Works Director	1-3 years	City / FEMA BRIC/FMA / IEPA SRF – WPCLP	New
<i>Stormwater Assessment and Management Report Project E – Enlarge Patricia Street/Pintail Lane Detention Basin:</i> Expand detention basin west of Patricia St. to better manage stormwater runoff ensure overall system resilience and functionality. The reconfigured basin will lower high water elevation to reduce flooding to upstream storm system.	F, SS	FWS	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	2, 3, 5	HM	Medium/High	Mayor City Council/ Public Works Director	1-3 years	City / FEMA BRIC/FMA / IEPA SRF – WPCLP	New

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	L	Landslides	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	SS	Severe Storms	Community Lifelines to be Mitigated:			
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SWS	Severe Winter Storm				
		EQ	Earthquake	T	Tornado	C	Communications	H&M	Health & Medical
		F	Flood			E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 4 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>Stormwater Assessment and Management Report Projects Regional A & B (Washington 223 Property) – Regional Detention Ponds North of Cruger Road:</i> Construct large scale detention basins north of Cruger Rd. to reduce flows to Tributary 1, better manage stormwater runoff, and ensure overall system resilience and functionality.	F, SS	FWS	S&IP	Medium SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	2, 3, 5	HM	High/High	Mayor City Council/ Public Works Director	1-3 years	City / FEMA BRIC/FMA / IEPA SRF – WPCLP	New
Design and construct a community safe room, (built to high wind standards and equipped with an emergency backup generator and HVAC system) at the Fire Station located at 200 N. Wilmor Rd. for use by staff and residents to establish a Community Lifeline.	SS, T	---	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	Yes	---	2	HM	Medium/High	Mayor City Council/ Fire Chief	1-3 years	City / FEMA BRIC HMGP	New
<i>Washington Estates Flood Mitigation Project:</i> Construct upstream detention basin, channelize/reshape Tributary No. 2 and extend storm sewer to the Washington Estates Subdivision to better manage stormwater runoff, alleviate drainage/flooding problems, and mitigate risk to Community Lifelines.	F, SS	FWS T	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	Yes	Yes	2, 3, 5	HM	High/Medium	Mayor City Council/ Public Works Director	5 years	City / FEMA FMA/BRIC	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

† Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	L	Landslides	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
		EC	Extreme Cold	SS	Severe Storms				
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EH	Excessive Heat	SWS	Severe Winter Storm				
		EQ	Earthquake	T	Tornado				
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	F	Flood						
						Community Lifelines to be Mitigated:			
						C	Communications	H&M	Health & Medical
						E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 5 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>School Street Detention Basin Dam Reconfiguration Project:</i> Conduct a study to determine the potential impacts reconfiguring the School Street Detention Basin Dam would have on flood protection to downstream residents.	DF, F, SS	S&S	LP&R	Small SVI: 0.0571 – 0.4196 EDRC: No	---	---	2, 3, 5	LM	Low/Medium	Mayor City Council/ Public Works Director	5 years	City	Existing (2019)
<i>Rolling Meadows Stormwater Mitigation Project:</i> Replace/upsize culverts in the Rolling Meadows Subdivision to increase carrying capacity, alleviate drainage/flooding problems, and ensure system resilience and functionality.	F, SS	T	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	3, 5	HM	Medium/Medium	Mayor City Council/ Public Works Director	5 years	City / FEMA BRIC/ HMGP	Existing (2019)
<i>Water Treatment Plant #1 Flood Protection Project:</i> Construct the appropriate remedy(s) outlined in the Water Treatment No. 1 Flood Protection Investigation Planning Report (Sept. 2018) to reduce the likelihood of a flood event impacting Water Treatment Plant No. 1. Currently the treatment plant is located in the base/500-year floodplain of Farm Creek.	F, SS	FWS	S&IP	Medium SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	2, 3, 5	HM	Medium/High	Mayor/ City Council Public Works Director	2 years	City / FEMA FMA/BRIC	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood	L Landslides MMH Man-Made Hazard SS Severe Storms SWS Severe Winter Storm T Tornado
LM		E&A Education & Awareness LP&R Local Plans & Regulations
HL		NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 6 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>East Side Regional Drainage Flood Mitigation Project:</i> Conduct a drainage/hydraulic study to determine the appropriate remedy(s) to address potential flood problems associated with Farm Creek at the east end of the City.	F, SS	S&S T	LP&R	Small SVI: 0.0571 – 0.4196 EDRC: No	---	---	3, 5	LM	Low/Medium	Mayor/ City Council Public Works Director	5 years	City	Existing (2019)
<i>Stormwater Assessment and Management Report Project L – Jefferson Street and Spruce Street Storm Sewer:</i> Replace the existing storm sewer network with a dual storm sewer system in an area bounded by Harvey Street, Walnut Street, Pine Street, and Adams Street to alleviate overflows, increase capacity, better manage stormwater runoff, ensure system resilience and functionality, and mitigate risk to Community Lifelines. The existing storm sewer system is overwhelmed by heavy rain events in excess of a 10-year storm.	F, SS	FWS T	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	3, 5	HM	Medium/High	Mayor City Council/ Public Works Director	1-3 years	City / FEMA BRIC/FMA / IEPA SRF – WPCLP	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it’s a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	L	Landslides	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	SS	Severe Storms				
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SWS	Severe Winter Storm				
		EQ	Earthquake	T	Tornado				
		F	Flood						
Community Lifelines to be Mitigated:									
C	Communications	H&M	Health & Medical						
E	Energy (Power & Fuel)	S&S	Safety & Security						
FWS	Food, Water, Shelter	T	Transportation						
HM	Hazardous Material								

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 7 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
<i>Stormwater Assessment and Management Report Project K – East Holland Street Storm Sewer:</i> Upsize storm sewer system in an area bounded by Holland Street, Cedar Street, South Street, and Elm Street to increase capacity, better manage stormwater runoff, ensure system resilience and functionality, alleviate drainage/ flooding problems experienced during heavy rain events, and mitigate risk to Community Lifelines. The inlets and storm sewers from the Catherine Street reconstruction project can be connected to this project so that both areas benefit.	F, SS	FWS T	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	3, 5	HM	Medium/High	Mayor City Council/ Public Works Director	1-3 years	City / FEMA BRIC/FMA / IEPA SRF – WPCLP	Existing (2019)
<i>Farm Creek Railroad Structures Project:</i> Implement the appropriate remedy(s) (i.e., stream modifications, set-aside/compensatory storage, acquisitions, etc.) to alleviate flooding problems associated with the two TP&W Railroad bridges and old railroad bridge/park district bike trail over Farm Creek.	F, SS	T	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	3, 5, 6	HM	High/High	Mayor City Council/ Public Works Director	5 years	City / FEMA FMA/BRIC	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it’s a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	L	Landslides	E&A	Education & Awareness	NSP	Natural Systems Protection
		DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	EC	Extreme Cold	SS	Severe Storms				
		EH	Excessive Heat	SWS	Severe Winter Storm				
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EQ	Earthquake	T	Tornado				
		F	Flood						
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards					Community Lifelines to be Mitigated:			
		C	Communications	H&M	Health & Medical				
		E	Energy (Power & Fuel)	S&S	Safety & Security				
		FWS	Food, Water, Shelter	T	Transportation				
		HM	Hazardous Material						

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 8 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Submit Letters of Map Revisions (LOM-R) when needed for areas within the City.	F	S&S	LP&R	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	4, 6	LM	Low/Medium	Mayor/ City Council Public Works Director	1-5 years	City	Existing (2019)
Designate Five Points Washington Community Center as a warming center for city residents.	EC	FWS	LP&R	Small SVI: 0.0571 – 0.4196 EDRC: No	---	---	2	LM	Low/High	Mayor City Council/ Five Points Washington	1-3 years	City / Five Points Washington	Existing (2019)
Purchase and install an automatic emergency backup generator at Five Points Washington Community Center, a designated warming center, to establish a resilient and reliable power supply and ensure sustained functionality during extended power outages and mitigate risk to a Community Lifeline.	EC	FWS	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	2, 3, 5	HM	Medium/High	Mayor City Council/ Five Points Washington	3-5 years	City/ Five Points Washington	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it’s a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought	E&A Education & Awareness LP&R Local Plans & Regulations
LM	EC Extreme Cold EH Excessive Heat	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL	EQ Earthquake F Flood	
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 9 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Identify strategic locations within the City to site community safe rooms and determine whether existing public buildings can be retrofitted to include community safe rooms or if standalone structures need to be erected.	SS, T	FWS	LP&R	Medium SVI: 0.0571 – 0.4196 EDRC: No	---	---	2	LM	Low/Medium	Mayor City Council/ Public Works Director	5 years	City	Existing (2019)
Retrofit existing public buildings and/or construct new stand-alone structures to serve as community safe room to establish Community Lifelines essential to human health and safety.	SS, T	FWS	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	Yes	Yes	2	HM	Medium/High	Mayor/ City Council / Public Works Director	1-5 years	City FEMA BRIC	Existing (2019)
Clear wooded ravine easements to help access and maintain sanitary sewer and manholes. The City owns and maintains approximately 80 miles of sanitary sewer and has approximately 18,700 linear feet of wooded ravine easements.	EQ, F, L, MMH, SS, SWS, T	FWS	S&IP	Medium SVI: 0.0571 – 0.4196 EDRC: No	Yes	Yes	3, 5	HM	Medium/Medium	Public Works Director	1-5 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority		Hazard(s) to be Mitigated:				Type of Mitigation Activity:			
HM	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the most frequent hazards	DF	Dam Failure	L	Landslides	E&A	Education & Awareness	NSP	Natural Systems Protection
LM	Mitigation action with the potential to reduce impacts from the most frequent hazards	DR	Drought	MMH	Man-Made Hazard	LP&R	Local Plans & Regulations	S&IP	Structure & Infrastructure Projects
HL	Mitigation action with the potential to virtually eliminate or significantly reduce impacts from the less frequent hazards	EC	Extreme Cold	SS	Severe Storms	Community Lifelines to be Mitigated:			
LL	Mitigation action with the potential to reduce impacts from the less frequent hazards	EH	Excessive Heat	SWS	Severe Winter Storm				
		EQ	Earthquake	T	Tornado	C	Communications	H&M	Health & Medical
		F	Flood			E	Energy (Power & Fuel)	S&S	Safety & Security
						FWS	Food, Water, Shelter	T	Transportation
						HM	Hazardous Material		

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 10 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Provide crossing protection (i.e., riprap, caging, etc.) for sanitary sewer line stream crossings. There are 70 sanitary sewer stream crossings within the City's system that would benefit from protection.	F, SS	FWS	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	3, 5, 6	HM	Medium/High	Public Works Director	1-5 years	City / IEPA SRF – WPCLP	Existing (2019)
Reconfigure 4 aerial sanitary sewer line stream crossings to meet guidelines for storm conveyance.	F, SS	FWS	S&IP	Small SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	3, 5 6	HM	Medium/High	Public Works Director	5 years	City / IEPA SRF – WPCLP	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood	L Landslides MMH Man-Made Hazard SS Severe Storms SWS Severe Winter Storm T Tornado
LM		E&A Education & Awareness LP&R Local Plans & Regulations
HL		NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LL		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 11 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Locate and label all public hydrants in the City to assist in street identification in the event of widespread natural hazard damage.	DF, EQ, F, L, MMH, SS, T	FWS	LP&R	Large SVI: 0.0571 – 0.4196 EDRC: No	---	Yes	3, 4, 5	LM	Low/Medium	Public Works Director	2-5 years	City	Existing (2019)
Establish digital coordinates for all critical facilities/infrastructure for use in GIS mapping applications. This information can be used to determine which critical facilities/infrastructure have the potential to be threatened by natural and man-made hazard events.	DF, DR, EC, EH, EQ, F, L, MMH, SS, SWS, T	C E FWS H&M S&S T	LP&R	Large SVI: 0.0571 – 0.4196 EDRC: No	---	---	3, 5, 8	LM	Low/Medium	Public Works Director	2-4 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it’s a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood	E&A Education & Awareness LP&R Local Plans & Regulations NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LM		
HL		
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 12 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Evaluate critical facilities and shelters to determine their resistance to natural hazards and recommend ways to strengthen or harden these facilities.	DF, EC, EH, EQ, F, L, MMH, SS, SWS, T	C FWS H&M S&S	E&A	SVI: 0.0571 – 0.4196 EDRC: No	---	---	3, 5	LM	Low/Medium	Public Works Director	2-5 years	City	Existing (2019)
Develop “hazard information centers” at the public library and on the City’s website to distribute public information materials to residents that detail the risks to life and property associated with natural and man-made hazards that impact the Village and the proactive actions they can take to reduce their risk.	DF, DR, EC, EH, EQ, F, L, MMH, SS, SWS, T	---	E&A	Large SVI: 0.0571 – 0.4196 EDRC: No	---	---	2, 4	LM	Low/Medium	Mayor / City Council / Planning & Development Director	1-5 years	City	Existing (2019)
Distribute educational materials informing residents about the benefits of the National Flood Insurance Program and how it is administered locally.	F	S&S	E&A	Small SVI: 0.0571 – 0.4196 EDRC: No	---	---	1, 2, 4	LM	Low/Medium	Mayor / City Council / Planning & Development Director	3-5 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of “Yes” identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it’s a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought	E&A Education & Awareness LP&R Local Plans & Regulations
LM	EC Extreme Cold EH Excessive Heat	NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
HL	EQ Earthquake F Flood	
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 13 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Target FEMA's Repetitive Loss Properties for educational outreach.*	F	S&S	E&A	Small SVI: 0.0571 – 0.4196 EDRC: No	---	---	2, 4, 6	LM	Low/Medium	Mayor / City Council / Planning & Development Director	3-5 years	City	Existing (2019)
Target FEMA's Repetitive Loss Properties for potential mitigation projects.*	F	S&S	E&A	Small SVI: 0.0571 – 0.4196 EDRC: No	---	---	2, 4, 6	LM	Low/Medium	Mayor / City Council / Planning & Development Director	1-5 years	City	Existing (2019)
Review new Flood Insurance Rate Maps (FIRMs) when they become available. Update the flood ordinance to exceed federal standards and reflect the revised FIRMs and present both for adoption. Enforce flood ordinance to ensure new development does not increase flood vulnerability or create unintended exposures to flooding.*	F	S&S	LP&R	Small SVI: 0.0571 – 0.4196 EDRC: No	Yes	Yes	1, 2, 6, 7	HM	Low/High	Mayor / City Council / Planning & Development Director	1-5 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure DR Drought EC Extreme Cold EH Excessive Heat EQ Earthquake F Flood	L Landslides MMH Man-Made Hazard SS Severe Storms SWS Severe Winter Storm T Tornado
LM		E&A Education & Awareness LP&R Local Plans & Regulations
HL		NSP Natural Systems Protection S&IP Structure & Infrastructure Projects
LL		
		Community Lifelines to be Mitigated:
		C Communications E Energy (Power & Fuel) FWS Food, Water, Shelter HM Hazardous Material
		H&M Health & Medical S&S Safety & Security T Transportation

Figure MIT-22
Washington Hazard Mitigation Actions
(Sheet 14 of 14)

Activity/Project Description	Hazard(s) to be Mitigated	Community Lifeline(s) to be Mitigated	Type of Mitigation Activity	Population Affected (Size, SVI, and/or EDRC) [§]	Reduce Effects of Hazard(s) on Buildings & Infrastructure		Goal(s) Met	Priority	Cost/Benefit Analysis	Organization / Department Responsible for Implementation & Administration	Time Frame to Complete Activity	Funding Source(s) [†]	Status
					New	Existing							
Continue to make the most recent Flood Insurance Rate Maps available at the Planning & Development Department's office to assist the public in considering where to construct new buildings.*	F	S&S	E&A	Small SVI: 0.0571 – 0.4196 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Medium	Building & Zoning Coordinator / Planning & Development Department	1-5 years	City	Existing (2019)
Continue to make City officials aware of the most recent Flood Insurance Rate Maps and issues related to construction in a floodplain.*	F	S&S	E&A	Small SVI: 0.0571 – 0.4196 EDRC: No	Yes	---	1, 2, 6, 7	LM	Low/Medium	Building & Zoning Coordinator / Planning & Development Department	1-5 years	City	Existing (2019)
Evaluate the feasibility of participating in the National Flood Insurance Program's voluntary Community Rating System.	F	S&S	LP&R	Small SVI: 0.0571 – 0.4196 EDRC: No	---	---	4	LM	Low/Medium	Building & Zoning Coordinator / Planning & Development Department	3-5 years	City	Existing (2019)

[§] Size refers to the general size of the population affected (i.e., small, medium, or large, while a Social Vulnerability Index (SVI) ranking of 0.6 or greater and/or an Economically Disadvantaged Rural Community (EDRC) designation of "Yes" identifies potentially underserved communities and/or socially vulnerable populations using the SVI and EDRC as described in Section 1.2.

[†] Identifies the most likely funding source to be pursued for the activity/project described. However, if funding is unavailable through the most likely or other suggested sources, then implementation of medium to large-scale activities/projects is unlikely due to the budgetary constraints experienced by a city of this size (approx. 16,000 individuals). The City works hard to provide even the most critical of services to its residents, but it's a struggle. Additional funding is necessary if implementation is to be achieved within the time frames specified.

* Mitigation action to ensure continued compliance with NFIP.

Acronyms

Priority	Hazard(s) to be Mitigated:	Type of Mitigation Activity:
HM	DF Dam Failure	E&A Education & Awareness
	DR Drought	NSP Natural Systems Protection
LM	EC Extreme Cold	LP&R Local Plans & Regulations
	EH Excessive Heat	S&IP Structure & Infrastructure Projects
HL	EQ Earthquake	
	F Flood	
LL		Community Lifelines to be Mitigated:
		C Communications
		E Energy (Power & Fuel)
		FWS Food, Water, Shelter
		H&M Health & Medical
		S&S Safety & Security
		T Transportation
		HM Hazardous Material

5.0 PLAN MAINTENANCE

This section focuses on the Federal Emergency Management Agency (FEMA) requirements for maintaining and updating the Plan once it has been approved by FEMA and adopted by the participating jurisdictions. These requirements include:

- establishing the method and schedule for monitoring, evaluating and updating the Plan;
- describing how the requirements of the Plan will be incorporated into existing planning mechanisms; and
- detailing how continued public input will be obtained during the plan maintenance process.

These requirements ensure that the Plan remains an effective and relevant document. The following provides a detailed discussion of each requirement.

5.1 MONITORING, EVALUATING & UPDATING THE PLAN

Outlined below is a method and schedule for monitoring, evaluating, and updating the Plan. This method allows the participating jurisdictions to make necessary changes and updates to the Plan and track the implementation and results of the mitigation actions that have been undertaken.

5.1.1 Monitoring and Evaluating the Plan

The Plan update will be monitored and evaluated by a Plan Maintenance Subcommittee of the Mitigation Advisory Committee (MAC or Committee) on an annual basis. The Subcommittee will be composed of the participating jurisdictions who sought Plan approval and other key members of the Committee. The Tri-County Regional Planning Commission (TCRPC) will chair the Plan Maintenance Subcommittee.

The TCRPC will assume lead responsibility for monitoring and tracking the implementation status of the mitigation actions identified in the Plan update. It will be the responsibility of each Plan participant to provide the TCRPC with an annual progress report on the status of their existing mitigation actions and identify whether any actions need to be modified. New mitigation actions may be added to the Plan during the annual monitoring and evaluation period or at any time during the plan maintenance cycle by contacting the TCRPC and providing the appropriate information.

Monitoring & Evaluating

- ❖ A Plan Maintenance Subcommittee will be formed to monitor and evaluate the Plan update.
- ❖ The ***Plan update will be monitored and evaluated*** on an ***annual basis***.
- ❖ Each Plan participant will be responsible for providing an annual progress report on the status of their mitigation actions.
- ❖ Plan participants can add ***new mitigation actions*** to the Plan ***during the annual monitoring phase or by contacting*** the Tri-County Regional Planning Commission.

The Plan Maintenance Subcommittee will also evaluate the Plan update on an annual basis to determine the effectiveness of the Plan at achieving its stated purpose and goals. In order to evaluate the effectiveness of the Plan update, the Subcommittee will review the mitigation actions that have been successfully implemented and determine whether the action achieved the identified goal(s) and had the intended result (i.e., losses were avoided, or the vulnerability of hazard-prone areas were reduced).

The Subcommittee will also ask each Plan participant to identify any significant changes in development or priorities that have occurred within the previous 12 months; whether any new plans, policies, regulations, or reports have been adopted; and if any hazard-related damages to critical facilities and infrastructure have been sustained.

In order to streamline the plan maintenance process, the TCRPC will provide each Plan participant with a Plan Maintenance Checklist along with the necessary forms to complete and return. **Appendix M** contains a copy of Checklist and associated forms.

The TCRPC will then prepare a progress report detailing the results of the annual Plan monitoring and evaluation period and provide copies to the Subcommittee. The annual progress report will include:

- information on any hazard-related damages sustained by critical facilities and infrastructure within the planning area during the previous year.
- implementation status of the mitigation actions identified in the Mitigation Strategy.
- identification of any new mitigation actions proposed by the Plan participants.
- information on changes in development, priorities, and planning and regulatory capabilities for the Plan participants.
- identification of how information will be disseminated to stakeholders and constituents on the Plan and its progress in effort to seek continued public participation.

If any existing mitigation actions are modified or new mitigation actions are identified for the Plan participants then Section 4.7 of the Mitigation Strategy will be updated and the Plan update resubmitted to the Illinois Emergency Management Agency and Office of Homeland Security (IEMA-OHS) and FEMA for reference.

On an as needed basis the TCRPC, in consultation with the Subcommittee, will evaluate requests from non-participating jurisdictions to “join” the Plan before the five-year update. Consideration will be given if certain conditions are met as outlined in Appendix D of *FEMA’s Local Mitigation Planning Policy Guide*.

5.1.2 Updating the Plan

The Plan must be updated within five years of the of the Plan approval date indicated on the signed FEMA final approval letter. (This date can be found in Section 6, Plan Adoption.) This ensures that all the participating jurisdictions will remain eligible to receive federal grant funds to implement those mitigation actions identified in this Plan.

The TCRPC, with assistance from the Plan Maintenance Subcommittee, will be responsible for updating the Plan. The update will incorporate all of the information gathered during the monitoring and evaluation phase and will also include:

Updating the Plan

- ❖ The TCRPC, with assistance from the Plan Maintenance Subcommittee, will be responsible for updating the Plan.
- ❖ The Plan ***must be updated within 5 years*** of the ***date of the final approval letter*** provided by FEMA.
- ❖ Once the Plan update has received FEMA/IEMA approval, each participating jurisdiction ***must adopt the Plan to remain eligible to receive federal mitigation funds.***

- ❖ a review of the Mitigation Strategy, including potential updates to the mitigation goals and prioritization methodology;
- ❖ an evaluation of whether additional natural or man-made hazards need to be addressed or included in the Plan;
- ❖ a review of new hazard data that may affect the Risk Assessment Section;
- ❖ identification of any changes in priorities within each participating jurisdiction; and
- ❖ identification of any changes in development that have occurred in hazard prone areas that would increase or decrease the participating jurisdictions' vulnerability.

A Mitigation Advisory Committee will be reformed to update the Plan and a public involvement strategy similar to the one employed for this Plan update will be implemented to ensure that the public and stakeholders have ample opportunities to become engaged and provide input during the development of the Plan update. In addition, any jurisdictions that did not take part in the previous Plan update may do so at this time. It will be the responsibility of these jurisdictions to provide all of the information needed to be integrated into the Plan update.

A public forum will be held to present the Plan update to the public for review and comment. The comments received at the public forum will be reviewed and incorporated into the Plan update. The Plan update will then be submitted to IEMA-OHS and FEMA for review and approval. ***Once the Plan update has received state and federal approval, FEMA requires that each of the participating jurisdictions adopt the Plan to remain eligible to receive federal funds to implement identified mitigation actions.***

5.2 INCORPORATING THE MITIGATION STRATEGY INTO EXISTING PLANNING MECHANISMS

As part of the planning process, the Committee identified each participating jurisdiction's existing capabilities (i.e., existing authorities, policies, programs, technical information, etc.) and resources available to support or accomplish mitigation and reduce long-term vulnerability. **Figures PP-3 through PP-14** identify the existing authorities, policies, programs, technical information, and resources available by capability type by jurisdiction. ***It will be the responsibility of each participating jurisdiction to incorporate, where applicable, the mitigation strategy and other information contained in the Plan update into the planning mechanisms identified for their jurisdiction.***

Adoption of this Plan update will trigger each participating jurisdiction to review and, where appropriate, integrate the Plan into other available planning mechanisms. The Plan Maintenance Subcommittee's annual review will help maintain awareness of the Plan among the participating jurisdictions and encourage active integration of the Plan into their day-to-day operations and planning mechanisms. Any time a mitigation action is slated for implementation by a participating jurisdiction, it will be integrated into their capital improvement plan/budget.

Several of the participating jurisdictions, including East Peoria, Tremont, and Washington are in the process or have identified the need to adopt, review, and/or strengthen current policies or programs in the near future. Given that the TCRPC often assists and supports the participating jurisdictions in their planning efforts, they will also play a role in assuring the information

presented in this Plan update is utilized and expanded on, when appropriate, in existing planning mechanisms. This can be achieved through discussions at regularly scheduled meeting with participating jurisdictions and when existing plans and programs are reviewed and updated.

5.3 CONTINUED PUBLIC INVOLVEMENT

The County and participating jurisdictions understand the importance of continued public involvement and will seek public input on the Plan update throughout the plan maintenance cycle. Any meetings held by the Plan Maintenance Subcommittee will be noticed and open to the public. Stakeholders and public will be encouraged to participate and provide feedback. Following distribution of the annual progress report, each participating jurisdiction will be encouraged to discuss the findings at their monthly board/council meetings to help maintain awareness of the Plan and encourage integration of the Plan in day-to-day operations.

Participating jurisdictions will also be encouraged to make the annual progress report available via social media and on their websites, as available, and at their offices. As the lead organization responsible for maintaining the Plan update, the TCRPC will also periodically post mitigation-related topics to social media including where to access the approved Plan, information on the hazards that have the potential to impact the County, interesting facts about each hazard, and no or low-cost actions that residents can take to reduce their risk from natural hazards.

A copy of the approved Plan will be maintained and available for review at the TCRPC and on the Commission's website. Individuals will be encouraged to provide feedback and submit comments for the next Plan update to the TCRPC or Tazewell County EMA Director. The comments received will be compiled and included in the annual progress report and considered for incorporation into the next Plan update. Separate Committee meetings and a public forum will be held prior to the next Plan update submittal to ensure that the public and stakeholders have ample opportunity to become engaged, provide input during the development of the Plan update, and comment on the proposed revision to the Plan update.

6.0 PLAN ADOPTION

The final step in the planning process is the adoption of the approved Plan update by each participating jurisdiction. Each jurisdiction must formally adopt the Plan to become or remain eligible for federal grant funds to implement mitigation actions identified in this Plan.

6.1 PLAN ADOPTION PROCESS

Before the Plan update could be adopted by the participating jurisdictions, it was made available for public review and comment through a public forum and comment period. Comments received were incorporated into the Plan update and the Plan was then submitted to the Illinois Emergency Management Agency and Office of Homeland Security (IEMA-OHS) and the Federal Emergency Management Agency (FEMA) for their review and approval.

Upon receipt of the Approval Pending Adoption (APA) letter from FEMA, the Plan update was presented to the County and participating jurisdictions for adoption. ***Each participating jurisdiction was required to formally adopt*** the Plan to become or remain eligible to receive federal grant funds to implement the mitigation actions identified in this Plan. Any jurisdiction that chose not to adopt the Plan update did not affect the eligibility of those who did.

Figure PA-1 identifies the participating jurisdictions and the date each formally adopted the Plan update. Signed copies of the adoption resolutions are located in **Appendix N**. FEMA signed the final approval letter on (Date) which began the five-year approval period and set the expiration date of (Date) for the Plan.

Figure PA-1 Plan Adoption Dates	
Participating Jurisdiction	Plan Adoption Date

7.0 REFERENCES

Provided below is a listing, by section, of the resources utilized to create this document.

1.0 INTRODUCTION

1. Federal Emergency Management Agency. Data Visualization: Disaster Declarations for States and Counties. Database. <<https://www.fema.gov/data-visualization-disaster-declarations-states-and-counties>>.
2. Federal Emergency Management Agency. OpenFEMA Dataset: Disaster Declarations Summaries – V2. Excel Dataset. <<https://www.fema.gov/openfema-dataset-disaster-declarations-summaries-v1>>.
3. Federal Emergency Management Agency. Getting Started: Building Support for Mitigation Planning. FEMA 386-1. September 2002.
4. Illinois Emergency Management Agency. Mitigation Planning. 2018 Illinois Natural Hazard Mitigation Plan. October 2018. <<https://iema.illinois.gov/content/dam/soi/en/web/iema/recovery/documents/plan-illmitigationplan.pdf>>.

1.2 County Profile

1. Greater Peoria Economic Development Council. Major Employers. <<https://greaterpeoriaedc.org/major-employers/>>.
2. Illinois Department of Commerce and Economic Opportunity. Community Profiles. Database. <<https://app.locationone.com/areas/communities?organization=59eaba35bec80e09b4bbf0df&buildings:filters=%5B%5B%22railServed%22%2C%5B%22Y%22%5D%5D%5D&buildings:sort=sqft:high&sites:filters=%5B%5D&sites:sort=acres:high>>.
3. Illinois Department of Public Health. IDPH Population Projections, Illinois, Chicago, and Illinois Counties by Age and Sex: July 1, 2015 to July 1, 2030 (2019 Edition). <<https://dph.illinois.gov/content/dam/soi/en/web/idph/files/publications/population-projections-report-2010-2030.pdf>>.
4. Illinois State Water Survey. Major Watersheds of Illinois. Map. 2011. <https://www.isws.illinois.edu/docs/default-source/maps/major-watersheds-illinois-2000-01.pdf?sfvrsn=b7aba970_2>.
5. Multi-Resolution Land Characteristics Consortium. National Land Cover Database Enhanced Visualization and Analysis Tool. <<https://www.mrlc.gov/tools>>.
6. United States Census Bureau. 2020 Census – Census Tract Reference Map. <<https://www.census.gov/geographies/reference-maps/2020/geo/2020pl-maps/2020-census-tract.html>>.
7. United States Census Bureau. Gazetteer Files. <<https://www.census.gov/geographies/reference-files/time-series/geo/gazetteer-files.html>>.
8. United States Census Bureau. American Community Survey. Data Profiles. <<https://www.census.gov/acs/www/data/data-tables-and-tools/data-profiles/>>.

9. United States Department of Agriculture. Census of Agriculture Historical Archive. <<https://agcensus.library.cornell.edu/>>.
10. United States Department of Agriculture. National Agricultural Statistics Service. Census of Agriculture. 2017 State and County Profiles – Illinois. <https://www.nass.usda.gov/Publications/AgCensus/2017/Online_Resources/County_Profiles/Illinois/>.
11. United States Department of Agriculture. National Agricultural Statistics Service. Census of Agriculture. Land Resource Regions and Major Land Resource Areas of the United States, the Caribbean, and the Pacific Basin. 2006. Agricultural Handbook 296. <https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_051845.pdf>.
12. United States Department of Agriculture. Natural Resources Conservation Service. Soil Surveys by State. <<https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soil/soil-surveys-by-state>>.
13. US Cluster Mapping. Harvard Business School. Regional Dashboard: Summary. <<https://clustermapping.us/>>/

1.3 Land Use and Development Trends

1. United States Census Bureau. Explore Census Data. <<https://data.census.gov/>>.
2. United States Census Bureau. Illinois: Population of Counties by Decennial Census: 1900 to 1990. 1995.
3. United States Census Bureau. American Community Survey. Data Profiles. <<https://www.census.gov/acs/www/data/data-tables-and-tools/data-profiles/>>.

2.0 PUBLIC INVOLVEMENT

1. Federal Emergency Management Agency. Local Mitigation Plan Review Guide. October 1, 2011. <https://www.fema.gov/sites/default/files/2020-06/fema-local-mitigation-plan-review-guide_09_30_2011.pdf>.
2. Federal Emergency Management Agency. Local Mitigation Planning Policy Guide. FP 206-21-0002. April 19, 2022. <https://www.fema.gov/sites/default/files/documents/fema_local-mitigation-planning-policy-guide_042022.pdf>.

2.4 EXISTING CAPABILITIES

1. Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. Capability Assessment Worksheet. Form.
2. Tri-County Regional Planning Commission. City of Pekin, Illinois Comprehensive Plan. 2006. <https://cms6.revize.com/revize/pekinil/document_center/government/administration/207-Comp%20Plan%202006%20FINAL.pdf>.
3. Tri-County Regional Planning Commission. East Peoria Comprehensive Plan. 2004. <https://tricityrpc.org/wp-content/uploads/East_Peoria_Comprehensive_Plan.pdf>.
4. Tri-County Regional Planning Commission. Tazewell County Comprehensive Land Use Plan. 2011. <<https://tricityrpc.org/wp-content/uploads/Tazewell-County-Comprehensive-Plan.pdf>>.

5. Tri-County Regional Planning Commission. Village of Tremont 2022 Comprehensive Plan. 2022. <<https://tricityrpc.org/wp-content/uploads/Tremont-Comp-Plan-Final-Draft-for-Public-Comment.pdf>>.
6. Washington, Illinois. Plan Washington: A Comprehensive Plan for the City of Washington, Illinois. 2023. <<https://drive.google.com/drive/folders/1odz0s3plGzuRQdvcq61Uic5u7Gx1sdpE>>.

3.0 RISK ASSESSMENT

1. Changnon, Stanley A., et al. Climate Atlas of Illinois. Champaign, Illinois: Illinois State Water Survey, 2004.
2. Federal Emergency Management Agency. Understanding Your Risks: Identifying Hazards and Estimating Losses. FEMA 386-2. August 2001.
3. Illinois Department of Transportation. Illinois Roadway Crash Data. County Crash Statistics. <<http://www.idot.illinois.gov/transportation-system/safety/Illinois-Roadway-Crash-Data>>.
4. Illinois Emergency Management Agency. Mitigation Planning. 2018 Illinois Natural Hazard Mitigation Plan. October 2018. <<https://iema.illinois.gov/content/dam/soi/en/web/iema/recovery/documents/plan-illmitigationplan.pdf>>.
5. Illinois Emergency Management Agency. Preparedness. Weather. Severe Weather Preparedness Guide. February 2021. <<https://www2.illinois.gov/iema/preparedness/documents/severeweatherpreparedness.pdf>>.
6. Illinois Environmental Protection Agency. Drinking Water Branch. Public Water Supply Systems Search. Database. <<http://water.epa.state.il.us/dww/index.jsp>>.
7. Illinois Environmental Protection Agency. Source Water Assessment Program Factsheets. Database. <<http://dataservices.epa.illinois.gov/swap/factsheet.aspx>>.
8. Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. Capability Assessment Worksheet. Form.
9. Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. Critical Facilities & Infrastructure. Form.
10. Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. Critical Facilities Vulnerability Survey. Form.
11. Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. Drinking Water Supply Worksheet. Form.
12. Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. Identification of Severe Weather Shelters. Form.
13. Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. Natural Hazard Events Questionnaire. Form.
14. Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. Risk Priority Index Exercise. Form.

15. Midwestern Regional Climate Center. cli-MATE: Online Data Portal. Database. <<https://mrcc.purdue.edu/CLIMATE/>>.
16. Multi-Resolution Land Characteristics Consortium. National Land Cover Database Enhanced Visualization and Analysis (EVA) Tool. <<https://www.mrlc.gov/eva/>>.
17. National Oceanic and Atmospheric Administration. National Centers for Environmental Information. COOP Data/Record of Climatological Observations Form. Database. <<http://www.ncdc.noaa.gov/IPS/coop/coop.html>>.
18. National Oceanic and Atmospheric Administration. National Centers for Environmental Information. Storm Events Database. Database. <<https://www.ncdc.noaa.gov/stormevents/>>.
19. National Oceanic and Atmospheric Administration. National Weather Service. National Weather Service Glossary. <<https://w1.weather.gov/glossary/>>.
20. National Oceanic and Atmospheric Administration. National Weather Service. Thunderstorms, Tornadoes, Lightning...Nature's Most Violet Storms. <<https://www.weather.gov/media/owlie/ttl6-10.pdf>>.

3.1 SEVERE STORMS (THUNDERSTORMS, HAIL, LIGHTNING & HEAVY RAIN)

1. National Oceanic and Atmospheric Administration. A Hail of a Storm: Hailstones Pack a Perilous (and Costly) Punch. August 2009.
2. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Severe Weather 101 – Hail Basics. <<https://www.nssl.noaa.gov/education/svrwx101/hail/>>.
3. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Severe Weather 101 – Hail Types. <<https://www.nssl.noaa.gov/education/svrwx101/hail/types/>>.
4. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Severe Weather 101 – Lightning Basics. <<https://www.nssl.noaa.gov/education/svrwx101/lightning/>>.
5. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Severe Weather 101 – Thunderstorm Basics. <<https://www.nssl.noaa.gov/education/svrwx101/thunderstorms/>>.
6. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Severe Weather 101 – Thunderstorm Types. <<https://www.nssl.noaa.gov/education/svrwx101/thunderstorms/types/>>.
7. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Severe Weather 101 – Damaging Winds Basics. <<https://www.nssl.noaa.gov/education/svrwx101/wind/>>.
8. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Severe Weather 101 – Damaging Winds Types. <<https://www.nssl.noaa.gov/education/svrwx101/wind/types/>>.

9. National Oceanic and Atmospheric Administration. National Weather Service. Safety. Cloud-to-Ground Lightning Flashes By State: 2009-2018. <https://www.weather.gov/media/safety/09-18Flashes_Flash_Density_State.pdf>.
10. National Oceanic and Atmospheric Administration. National Weather Service. Safety. Severe Thunderstorms. Watch vs. Warning. <<https://www.weather.gov/safety/thunderstorm-ww>>.
11. National Oceanic and Atmospheric Administration. National Weather Service. Storm Prediction Center. Frequently Asked Questions. How does the NWS define a severe thunderstorm? <<https://www.spc.noaa.gov/faq/>>.
12. The Tornado and Storm Research Organisation. The TORRO Hailstorm Intensity Scale. <<https://www.torro.org.uk/research/hail/hscale>>.
13. Vaisala. National Lightning Detection Network. Flash Density Map in Miles: 2009-2018.

3.2 FLOODS

1. Code of Federal Regulations. Title 44 – Emergency Management and Assistance. Chapter 1 – Federal Emergency Management Agency, Department of Homeland Security. Subchapter B – Insurance and Hazard Mitigation. Part 59 – General Provisions. Subpart A – General. 59.1 – Definitions. <<https://www.govinfo.gov/content/pkg/CFR-2017-title44-vol1/pdf/CFR-2017-title44-vol1-part59.pdf>>.
2. Federal Emergency Management Agency. Adoption of Flood Insurance Rate Maps by Participating Communities. FEMA 495. September 2019. <https://www.fema.gov/sites/default/files/2020-07/fema_adoption-flood-insurance-rate-maps-participating-communities_bulletin.pdf>.
3. Federal Emergency Management Agency. Answers to Questions About the NFIP. FEMA F-084. March 2022. <<https://agents.floodsmart.gov/sites/default/files/fema-answers-to-questions-about-the-NFIP.pdf>>.
4. Federal Emergency Management Agency. Community Status Book Report Illinois. <<http://www.fema.gov/cis/IL.pdf>>.
5. Federal Emergency Management Agency. Design Guide for Improving Critical Facility Safety from Flooding and High Winds: Providing Protection to People and Buildings. FEMA 543. January 2007. <<https://www.fema.gov/media-library/assets/documents/8811>>.
6. Federal Emergency Management Agency. FEMA Flood Maps and Zones Explained. <<https://www.fema.gov/blog/fema-flood-maps-and-zones-explained>>.
7. Federal Emergency Management Agency. Flood Insurance Rate Map (FIRM). <<https://www.fema.gov/glossary/flood-insurance-rate-map-firm>>.
8. Federal Emergency Management Agency. Flood Map Service Center. Map Viewer. <<https://msc.fema.gov/portal/home>>.
9. Federal Emergency Management Agency. Flood Zones. <<https://www.fema.gov/glossary/flood-zones>>.

10. Federal Emergency Management Agency. How to Read a Flood Insurance Rate Map Tutorial. Updated June 2003.
11. Federal Emergency Management Agency. How to Read a Flood Map. <<https://www.fema.gov/sites/default/files/documents/how-to-read-flood-insurance-rate-map-tutorial.pdf>>.
12. Federal Emergency Management Agency. National Flood Insurance Program Community Rating System: A Local Official's Guide to Saving Lives, Preventing Property Damage, Reducing the Cost of Flood Insurance. FEMA B 573. 2018. <https://www.fema.gov/sites/default/files/documents/fema_community-rating-system_local-guide-flood-insurance-2018.pdf>.
13. Federal Emergency Management Agency. National Flood Insurance Program: Frequently Asked Questions Repetitive Loss. October 2005. <https://www.fema.gov/txt/rebuild/repetitive_loss_faqs.txt>.
14. Federal Emergency Management Agency. National Flood Insurance Program Terminology Index. <<https://www.fema.gov/flood-insurance/terminology-index>>.
15. Federal Emergency Management Agency. Participation in the NFIP. <<https://www.fema.gov/glossary/participation-nfip#:~:text=To%20join%2C%20the%20community%20must,exceeds%20the%20minimum%20NFIP%20criteria.>>>.
16. Federal Emergency Management Agency. What is a flood map? <<https://www.floodsmart.gov/all-about-flood-maps>>.
17. Federal Emergency Management Agency. Understanding Your Risks: Identifying Hazards and Estimating Losses. FEMA 386-2. August 2001.
18. Federal Emergency Management Agency. National Flood Insurance Program. Answers to Tough Questions: Talking Points for Community Officials. September 2013.
19. Illinois Administrative Code. Title 17: Conservation. Chapter I: Department of Natural Resources. Subchapter h: Water Resources. Part 3706: Regulation of Construction within Flood Plains. <<https://www.dnr.illinois.gov/adrules/documents/17-3706.pdf>>.
20. Illinois Department of Natural Resources. Office of Water Resources. 100-Year Floodplain in Illinois. Map. August 6 2009. <<https://dnr.illinois.gov/waterresources/gismaps.html>>.
21. Illinois Department of Natural Resources. Office of Water Resources. Draft River Stages in Illinois: Flood and Damage Data. August 2009. <<https://dnr.illinois.gov/content/dam/soi/en/web/dnr/waterresources/documents/floodstagebook-report2009.pdf>>.
22. Illinois Department of Natural Resources. Office of Water Resources. Local Floodplain Administrator's Manual. 2006. <<https://dnr.illinois.gov/content/dam/soi/en/web/dnr/waterresources/documents/localfloodplainadministratorsmanualbluebook-2006.pdf>>.

23. Illinois Department of Natural Resources. Office of Water Resources. Quick Guide to Floodplain Management in Illinois. 2001. <<https://dnr.illinois.gov/content/dam/soi/en/web/dnr/waterresources/documents/resman-ilfpmquickguide.pdf>>.
24. Library of Congress. Congressional Research Service. National Flood Insurance Program: Selected Issues and Legislation in the 115th Congress. R45099. Update July 31, 2018. <<https://crsreports.congress.gov/product/pdf/R/R45099>>.
25. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Severe Weather 101 – Flood Basics. <<https://www.nssl.noaa.gov/education/svrwx101/floods/>>.
26. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Severe Weather 101 – Flood Types. <<https://www.nssl.noaa.gov/education/svrwx101/floods/types/>>.
27. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Severe Weather 101 – Frequently Asked Questions About Floods. <<https://www.nssl.noaa.gov/education/svrwx101/floods/faq>>.
28. National Oceanic and Atmospheric Administration. National Weather Service. Advanced Hydrologic Prediction Service. November 2021. <<https://water.weather.gov/ahps/>>.
29. National Oceanic and Atmospheric Administration. National Weather Service. During a Flood. <<https://www.weather.gov/safety/flood-during>>.
30. National Oceanic and Atmospheric Administration. National Weather Service. Floods the Awesome Power. <https://www.weather.gov/media/jetstream/tstorms/floods_booklet.pdf>.
31. National Oceanic and Atmospheric Administration. National Weather Service. Flood Warning vs. Watch. <<https://www.weather.gov/safety/flood-watch-warning>>.
32. U.S. Army Corps of Engineers. RiverGages.com <<https://rivergages.mvr.usace.army.mil/WaterControl/new/layout.cfm>>.
33. U.S. Code. Title 42 – The Public Health and Welfare. Chapter 50 – National Flood Insurance. Subchapter III – Coordination of Flood Insurance with Land-Management Programs in Flood-Prone Areas. Section 4106 – Nonparticipation in Flood Insurance Program. <<http://uscode.house.gov/search/criteria.shtml>>.

3.3 SEVERE WINTER STORMS

1. Illinois Emergency Management Agency. Mitigation. Winter Storms. <<https://iema.illinois.gov/recovery/hazardinfo.html#Winter>>.
2. Illinois Emergency Management Agency. Preparedness. Winter Storm Preparedness Guide. November 2021. <https://www2.illinois.gov/iema/Preparedness/Documents/winter_storm_preparedness_guidebook.pdf>.
3. Illinois State Water Survey. Illinois Third Consecutive Severe Winter: 1978-1979. By Stanley A. Changnon, Jr., David Changnon and Phillis Stone. Report of Investigation 94. 1980. <<https://www.isws.illinois.edu/pubdoc/RI/ISWSRI-94.pdf>>.

4. Illinois State Water Survey. Record Winter Storms in Illinois, 1977-1978. By Stanley A. Changnon, Jr. and David Changnon. Report of Investigation 88. 1978. <<https://www.isws.illinois.edu/pubdoc/RI/ISWSRI-88.pdf>>.
5. Illinois State Water Survey. The Severe Winter of 1981-1982 in Illinois. By Steven D. Hilberg, Peter G. Vinzani, and Stanley A. Changnon, Jr. Report of Investigation 104. 1983. <<https://www.isws.illinois.edu/pubdoc/RI/ISWSRI-104.pdf>>.
6. Illinois State Water Survey. State Climatologist Office for Illinois. Glossary of Winter Weather Terms. <<https://www.isws.illinois.edu/statecli/Winter/glossary.htm>>.
7. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Types of Winter Weather. <<https://www.nssl.noaa.gov/education/svrwx101/winter/types/>>.
8. National Oceanic and Atmospheric Administration. National Weather Service. NWS Weather Forecast Office Lincoln, IL. What Is the Difference Between a Winter Storm Watch, Warning, and Advisory? <https://www.weather.gov/ilx/wwa_social>.
9. Ready.gov. Ready Kids. Winter Weather. <<https://www.ready.gov/kids/disaster-facts/winter-weather>>.

3.4 EXCESSIVE HEAT

1. Centers for Disease Control and Prevention. National Environmental Public Health Tracking. Extreme Heat. <<https://ephtracking.cdc.gov/showClimateChange/ExtremeHeat.action>>.
2. Centers for Disease Control and Prevention. Natural Disasters and Severe Weather. FAQs. <<https://www.cdc.gov/disasters/extremeheat/faq.html>>.
3. Centers for Disease Control and Prevention. Natural Disasters and Severe Weather. Warning Signs and Symptoms. <<https://www.cdc.gov/disasters/extremeheat/warning.html>>.
4. National Oceanic and Atmospheric Administration. National Weather Service. Heat Index. <<https://www.weather.gov/safety/heat-index>>.
5. National Oceanic and Atmospheric Administration. National Weather Service. Heat Watch vs. Warning. <<https://www.weather.gov/safety/heat-ww>>.
6. National Oceanic and Atmospheric Administration. National Weather Service. Heat Wave: A Major Summer Killer. Brochure. <<https://www.weather.gov/media/owlie/heatwave.pdf>>.
7. North Carolina Cooperative Extension Service. Heat Stress Disorders. <<https://content.ces.ncsu.edu/heat-stress-disorders>>.
8. United States Environmental Protection Agency. Excessive Heat Events Guidebook. June 2006. <https://www.epa.gov/sites/production/files/2016-03/documents/ehguide_final.pdf>.

3.5 EXTREME COLD

1. Centers for Disease Control and Prevention. Extreme Cold: A Prevention Guide to Promote Your Personal Health and Safety. <<https://www.cdc.gov/disasters/winter/pdf/extreme-cold-guide.pdf>>.
2. Centers for Disease Control and Prevention. Natural Disasters and Severe Weather. Prevent Hypothermia & Frostbite. <<https://www.cdc.gov/disasters/winter/staysafe/hypothermia.html>>.
3. Environmental Research. Clinical Outcomes of Temperature Related Injuries Treated in the Hospital Setting, 2011-2018. Lee S. Friedman, et al. 11 July 2020. <<https://www.sciencedirect.com/science/article/abs/pii/S0013935120307775?via%3Dihub>>.
4. Illinois Emergency Management Agency. Winter Storm Preparedness Guide. <https://www2.illinois.gov/iema/Preparedness/Documents/winter_storm_preparedness_guidebook.pdf>
5. National Oceanic and Atmospheric Administration. National Weather Service. During Extremely Cold Weather. <<https://www.weather.gov/safety/cold-during>>.
6. National Oceanic and Atmospheric Administration. National Weather Service. Wind Chill Chart. <<https://www.weather.gov/safety/cold-wind-chill-chart>>.
7. National Oceanic and Atmospheric Administration. National Weather Service. Wind Chill Questions. <<https://www.weather.gov/safety/cold-faqs>>.
8. National Oceanic and Atmospheric Administration. National Weather Service. Wind Chill Temperature Index. <<https://www.weather.gov/media/safety/wind-chill-brochure.pdf>>.
9. National Oceanic and Atmospheric Administration. National Weather Service. Winter Weather Resources and Frequently Asked Questions. <<https://www.weather.gov/safety/cold-outreach>>.
10. National Oceanic and Atmospheric Administration. National Weather Service. NWS Weather Forecast Office Lincoln, IL. What Is the Difference Between a Winter Storm Watch, Warning, and Advisory? <https://www.weather.gov/ilx/wwa_social>.
11. Ready.gov. Ready Kids. Winter Weather. <<https://www.ready.gov/kids/disaster-facts/winter-weather>>.
12. University of Illinois Chicago. UIC Today. Cold-Weather Accounts for almost all Temperature-Related Deaths. 18 August 2020. <<https://today.uic.edu/cold-weather-accounts-for-almost-all-temperature-related-deaths>>.

3.6 TORNADOES

1. Illinois Secretary of State. Illinois State Archives. Illinois Regional Archives Depository System. County Fact Sheets. <<https://www.ilsos.gov/departments/archives/IRAD/iradreg.html#countyfacts>>.
2. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Tornado Basics. <<https://www.nssl.noaa.gov/education/svrwx101/tornadoes/>>.

3. National Oceanic and Atmospheric Administration. National Severe Storms Laboratory. Frequently Asked Questions about Tornadoes. <<https://www.nssl.noaa.gov/education/svrwx101/tornadoes/faq/>>.
4. National Oceanic and Atmospheric Administration. National Weather Service. NWS Forecast Office Lincoln, IL. Tornado Climatology for Central and Southeast Illinois. <<https://www.weather.gov/ilx/tor-climo>>.
5. National Oceanic and Atmospheric Administration. National Weather Service. Safety Tornado Watch vs. Warning. <<https://www.weather.gov/safety/tornado-ww>>.
6. National Oceanic and Atmospheric Administration. Storm Prediction Center. The Online Tornado FAQ: Frequently Asked Questions about Tornadoes. By Roger Edwards. <<https://www.spc.noaa.gov/faq/tornado/>>.
7. National Oceanic and Atmospheric Administration. Storm Prediction Center. Fujita Tornado Damage Scale. Figure. By Roger Edwards. <<https://www.spc.noaa.gov/faq/tornado/f-scale.html>>.
8. National Oceanic and Atmospheric Administration. Storm Prediction Center. Enhanced F Scale for Tornado Damage. Figure. By Roger Edwards. <<https://www.spc.noaa.gov/faq/tornado/ef-scale.html>>.

3.7 DROUGHT

1. Illinois State Water Survey. Drought Vulnerability of Illinois' Community Surface Water Systems. <<https://www.isws.illinois.edu/data/ilcws/drought.asp>>.
2. Illinois State Water Survey. State of Illinois Drought Preparedness and Response Plan. Adopted by the State Water Plan Committee October 2, 2011. <https://www.isws.illinois.edu/hilites/drought/archive/2011/docs/St_Ill_Drought_Plan_2011.pdf>.
3. Illinois State Water Survey. Department of Energy and Natural Resources. The 1988-1989 Drought in Illinois: Causes, Dimensions, and Impacts. Research Report 121. By Peter J. Lamb, Scientific Editor. 1992. <<https://www.isws.illinois.edu/pubdoc/RR/ISWSRR-121.pdf>>.
4. Illinois State Water Survey. Illinois State Climatologist. Moderate Drought in Western Illinois. 30 August 2013. <<https://climateillinois.wordpress.com/2013/08/>>.
5. National Drought Mitigation Center. Drought Basics. <<https://drought.unl.edu/Education/DroughtBasics.aspx>>.
6. National Drought Mitigation Center. Types of Drought. <<https://drought.unl.edu/Education/DroughtIn-depth/TypesofDrought.aspx>>.
7. National Integrated Drought Information System. U.S. Drought Portal. U.S. Drought Monitor. <<https://www.drought.gov/drought/data-maps-tools/current-conditions>>.
8. National Oceanic and Atmospheric Administration. National Centers for Environmental Information. Billion-Dollar Weather and Climate Disasters: Mapping Database. <<https://www.ncdc.noaa.gov/billions/mapping>>.

9. National Oceanic and Atmospheric Administration. National Weather Service. Safety. Understand Drought and Know How to Respond. <<https://www.weather.gov/safety/drought>>.
10. National Oceanic and Atmospheric Administration. National Weather Service. Safety. Drought Safety. Drought Types. <<https://www.weather.gov/safety/drought-types>>.
11. United State Department of Agriculture. USDA Designates Counties in Illinois as Agricultural Disaster Areas. Release No 0281.05. 27 July 2005.
12. United State Department of Agriculture. Agriculture Secretary Vilsack Announces New Drought Assistance, Designates an Additional 218 Counties as Primary Natural Disaster Areas. Release No. 0260.12. 1 August 2012. <<https://www.usda.gov/media/press-releases/2012/08/01/agriculture-secretary-vilsack-announces-new-drought-assistance>>.
13. United State Department of Agriculture. Farm Service Agency. USDA Designated 44 Counties in Illinois as Primary Natural Disaster Areas. Release No. 0150.11. 2 November 2011. <https://www.fsa.usda.gov/FSA/printapp?fileName=ed_20111102_rel_0150.html&newsType=ednewsrel>.
14. United State Department of Agriculture. Farm Service Agency. USDA Designated 44 Counties in Iowa as Primary Natural Disaster Areas with Assistance to Farmers and Ranchers in Adjacent States. Release 0201.13. 12 December 2013.
15. United States Department of Agriculture. National Agricultural Statistics Service. Census of Agriculture. 2017 State and County Profiles – Illinois. <https://www.nass.usda.gov/Publications/AgCensus/2017/Online_Resources/County_Profiles/Illinois/>.
16. United States Department of Agriculture. Census of Agriculture Historical Archive. <<https://agcensus.library.cornell.edu/>>.
17. United States Department of Agriculture. National Agricultural Statistics Service. 2017 Census of Agriculture. Table 1. County Summary Highlights: 2017. <https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_2_County_Level/Illinois/>.
18. United States Department of Agriculture. National Agricultural Statistics Service. 2017 Census of Agriculture. Table 2. Market Value of Agricultural Products Sold Including Direct Sales: 2017 and 2012. <https://www.nass.usda.gov/Publications/AgCensus/2017/Full_Report/Volume_1,_Chapter_2_County_Level/Illinois/>.
19. United States Department of Agriculture. Census of Agriculture Historical Archive. Table 1. County Summary Highlights: 2012. 13 March 2019 <https://agcensus.library.cornell.edu/wp-content/uploads/2012-Illinois-st17_2_001_001.pdf>.
20. United States Department of Agriculture. Census of Agriculture Historical Archive. Table 2. Market Value of Agricultural Products Sold Including Direct Sales: 2012 and 2007. <https://agcensus.library.cornell.edu/wp-content/uploads/2012-Illinois-st17_2_002_002.pdf>.

21. United States Department of Agriculture. National Agricultural Statistics Service. Data & Statistics. Quick Stats. Quick Stats Lite. Database. <https://www.nass.usda.gov/Quick_Stats/Lite/>.
22. United States Drought Monitor. U.S. Drought Monitor. Map. <<https://droughtmonitor.unl.edu/>>.
23. United States Drought Monitor. Drought Classification. <<https://droughtmonitor.unl.edu/About/AbouttheData/DroughtClassification.aspx> >.
24. United States Drought Monitor. What is the U.S. Drought Monitor? Brochure. <https://droughtmonitor.unl.edu/data/docs/USDM_FSA_fact_sheet.pdf>.
25. World Meteorological Organization. Handbook of Drought Indicators and Indices. <https://library.wmo.int/doc_num.php?explnum_id=3057 .

3.8 LANDSLIDES

1. Centers for Disease Control and Prevention. Landslides and Mudslides. <<https://www.cdc.gov/disasters/landslides.html>>.
2. Illinois State Geological Survey. Landslide Inventory of Illinois. By Myrna M. Killey et al. Circular 534. 1985. <<https://www.ideals.illinois.edu/items/43502>>.
3. Kirschbaum, D.B., Adler, R., Hong, Y., et al. “A Global Landslide Catalog for Hazard Applications: Methods, Results, and Limitations.” Natural Hazards 52, 561-575 (2010). <<https://doi.org/10.1007/s11069-009-9401-4>>.
4. Kirschbaum, D.B., Stanley, T., & Zhou, Y. “Spatial and Temporal Analysis of a Global Landslide Catalog.” Geomorphology 249, 4-15 (2015). <<https://doi.org/10.1016/j.geomorph.2015.03.016>>.
5. National Aeronautics and Space Administration. Global Landslide Catalog. Cooperative Open Online Landslide Repository. <<https://maps.nccs.nasa.gov/arcgis/apps/MapAndAppGallery/index.html?appid=574f26408683485799d02e857e5d9521>>.
6. U.S. Geological Survey. What is a landslide and what causes one? <https://www.usgs.gov/faqs/what-a-landslide-and-what-causes-one?qt-news_science_products=0#qt-news_science_products>.
7. U.S. Geological Survey. Landslide Hazards – A National Threat. Fact Sheet 2005-3156. December 2005. <<https://pubs.usgs.gov/fs/2005/3156/>>.
8. U.S. Geological Survey. Landslide Types and Processes. Fact Sheet 2004-3072. July 2004. <<https://pubs.usgs.gov/fs/2004/3072/>>.
9. U.S. Geological Survey. The Landslide Handbook – A Guide to Understanding Landslides. By Lynn M. Highland and Peter Bobrowsky. Circular 1325. 2008. <<https://pubs.usgs.gov/circ/1325/>>.
10. U.S. Geological Survey. U.S. Landslide Inventory and Interactive Map. Online Map Viewer. <<https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=ae120962f459434b8c904b456c82669d>>.

3.9 EARTHQUAKES

1. Atkinson, William. The Next New Madrid Earthquake: A Survival Guide for the Midwest. Carbondale, Illinois: Southern Illinois University Press, 1989.
2. EPRI, U.S. Department of Energy, and U.S. Nuclear Regulatory Commission. Technical Report: Central and Eastern United States Seismic Source Characterization for Nuclear Facilities. 2012. <<http://www.ceus-ssc.com/Report/Downloads.html>>.
3. Federal Emergency Management Agency. Hazus Estimated Annualized Earthquake Losses for the United States. FEMA P-366. April 2017. <https://www.fema.gov/sites/default/files/2020-07/fema_earthquakes_hazus-estimated-annualized-earthquake-losses-for-the-united-states_20170401.pdf>.
4. Illinois State Geological Survey. Handbook of Illinois Stratigraphy. By H. B. Willman, et. al. Bulletin 95. 1975. <<http://hdl.handle.net/2142/35115>>.
5. Illinois State Geological Survey. Seismicity of Illinois. By Paul C. Heigold and Timothy H. Larson. Environmental Geology Notes 133. 1990. 18 March 2019 <<http://hdl.handle.net/2142/78950>>.
6. Illinois State Geological Survey. Structural Features in Illinois. By W. John Nelson. Bulletin 100. 1995. <<https://www.ideals.illinois.edu/items/43593>>.
7. Illinois State Geological Survey. Earthquakes In Illinois: 1795 – 2015. Map.
8. Illinois State Geological Survey. Earthquake Occurrence in Illinois: An Earthquake Every Year. Fact Sheet. 1995-3. <<https://www.isgs.illinois.edu/sites/isgs/files/files/qk-fct-occur.pdf>>.
9. Illinois State Geological Survey. Northern Illinois Earthquakes: Small Quake Shakes the Area. Fact Sheet. 1999-1. <<https://www.isgs.illinois.edu/sites/isgs/files/files/eq-fct-nrth.pdf>>.
10. Illinois State Geological Survey. Wabash Valley Earthquakes: A Dozen Moderate Quakes in a Century. Fact Sheet. 1996-1. <<https://www.isgs.illinois.edu/sites/isgs/files/files/eq-fct-wabash.pdf>>.
11. Incorporated Research Institutions for Seismology. How Often Do Earthquakes Occur? Fact Sheet. June 2011. <https://www.iris.edu/hq/inclass/fact-sheet/how_often_do_earthquakes_occur>.
12. Louie, John N. University of Nevada, Reno. Nevada Seismological Lab. Earthquake Effects in Kobe, Japan. <<https://sites.google.com/view/louie-class-geol100/earthquake-effects-in-kobe-japan>>.
13. Michigan Technological University. UPSeis. Earthquake Magnitude Scale. <<http://www.geo.mtu.edu/UPSeis/magnitude.html>>.
14. Michigan Technological University. UPSeis. Modified Mercalli Intensity Scale. <<http://www.geo.mtu.edu/UPSeis/Mercalli.html>>.
15. Missouri State Emergency Management Agency. Earthquake Intensity Map. Map. .
16. St. Louis University. Introduction to New Madrid Seismic Zone. <http://www.eas.slu.edu/eqc/eqc_quakes/NewMadridGeneral.html>.

17. University of Alaska Fairbanks. Alaska Earthquake Center. Earthquake Magnitude Classes. <<https://earthquake.alaska.edu/earthquake-magnitude-classes>>.
18. University of Memphis. Center for Earthquake Research and Information. New Madrid Earthquake Catalog Search. Database. <http://folkworm.ceri.memphis.edu/catalogs/html/cat_nm.html>.
19. U.S. Geological Survey. 1811 – 1812 New Madrid, Missouri Earthquakes. <<https://www.usgs.gov/programs/earthquake-hazards/science/1811-1812-new-madrid-missouri-earthquakes>>.
20. U.S. Geological Survey. Earthquake Hazard in the Heartland of the Homeland. Fact Sheet 2006-3125. By Joan Gomberg and Eugene Schweig. January 2007. <<https://pubs.usgs.gov/fs/2006/3125>>.
21. U.S. Geological Survey. Earthquake Hazard in the New Madrid Seismic Zone Remains a Concern. Fact Sheet 2009-3071. By A. D. Frankel, et al. August 2009. <<https://pubs.usgs.gov/fs/2009/3071>>.
22. U.S. Geological Survey. Earthquake Hazards Program. <<https://www.usgs.gov/glossary/earthquake-hazards-program>>.
23. U S. Geological Survey. Earthquakes. By Kay M. Shedlock and Louis C. Pakiser. 1995. <<https://pubs.usgs.gov/gip/earthq1/index.html>>.
24. U.S. Geological Survey. Earthquakes in the Central United States – 1699-2002. By Russell L. Wheeler, et. al. U.S. Geological Survey Geologic Investigations Series I-2812. Version 1.0. 24 November 2003. <<https://pubs.usgs.gov/imap/i-2812/>>.
25. U.S. Geological Survey. Earthquakes in the Central United States – 1699-2002: Earthquake Catalog. By Russell L. Wheeler, et. al. U.S. Geological Survey Geologic Investigations Series I-2812. 24 November 2003. <<https://pubs.usgs.gov/imap/i-2812/catalog.txt>>.
26. U.S. Geological Survey. Earthquakes in the Central United States – 1699 – 2010. Supersedes Geologic Investigations Series I-2812. By Richard L. Dart and Christina M. Volpi. 2010. <<https://pubs.usgs.gov/gip/115/>>.
27. U.S. Geological Survey. Earthquakes in the Central United States – 1699 – 2010: Updatecatalog. 2010. <https://pubs.usgs.gov/gip/115/downloads/GIP115_data/Uupdatecatalog.txt>.
28. U.S. Geological Survey. M 2.9 – 3km WNW of Lake in the Hills, Illinois. <<https://earthquake.usgs.gov/earthquakes/eventpage/us10001qrx/executive>>.
29. U.S. Geological Survey. M 3.2 – 1km SSW of Lyons, Illinois. <<https://earthquake.usgs.gov/earthquakes/eventpage/usb000ksfx/executive>>.
30. U.S. Geological Survey. M 3.8 – 2 km NW of Lily Lake, Illinois. <<https://earthquake.usgs.gov/earthquakes/eventpage/usp000h751#executive>>.
31. U.S. Geological Survey. M 4.2 – 12 km NW of Dayton, Illinois. <<https://earthquake.usgs.gov/earthquakes/eventpage/usp000cz1k#executive>>.

32. U.S. Geological Survey. M 5.2 – 7km ESE of Claremont, Illinois. <<https://earthquake.usgs.gov/earthquakes/eventpage/nm603116#executive>>.
33. U.S. Geological Survey. M 5.2 – 7km NNE of Bellmont, Illinois. <<https://earthquake.usgs.gov/earthquakes/eventpage/nm606657#executive>>.
34. U.S. Geological Survey. Moment magnitude, Richter Scale - what are the different magnitude scales, and why are there so many? <<https://www.usgs.gov/faqs/moment-magnitude-richter-scale-what-are-different-magnitude-scales-and-why-are-there-so-many>>.
35. U.S. Geological Survey. Nearly Half of Americans Exposed to Potentially Damaging Earthquakes. 10 August 2015. <<https://www.usgs.gov/news/nearly-half-americans-exposed-potentially-damaging-earthquakes>>.
36. U.S. Geological Survey. Search Earthquake Catalog. Database. <<https://earthquake.usgs.gov/earthquakes/search/>>.
37. U.S. Geological Survey. Seismicity of the United States, 1568-1989 (Revised). By C.W. Stover and J.L. Coffman. U.S. Geological Survey Professional Paper 1527. 1993. <<https://pubs.er.usgs.gov/publication/pp1527>>.
38. U.S. Geological Survey. The Modified Mercalli Intensity Scale. <<https://www.usgs.gov/programs/earthquake-hazards/modified-mercalli-intensity-scale>>.
39. U.S. Geological Survey. The Science of Earthquakes. By Lisa Wald. <<https://earthquake.usgs.gov/learn/kids/eqscience.php>>.
40. U.S. Geological Survey. The Severity of an Earthquake. <<https://pubs.usgs.gov/gip/earthq4/severitygip.html>>.
41. U.S. Geological Survey. United States: Magnitude 7+. <<https://www.usgs.gov/programs/earthquake-hazards/lists-maps-and-statistics>>.
42. U.S. Geological Survey. What is a fault and what are the different types? <<https://www.usgs.gov/faqs/what-fault-and-what-are-different-types>>.
43. U. S. Geological Survey. Where do earthquakes occur? <https://www.usgs.gov/faqs/where-do-earthquakes-occur?qt-news_science_products=7#qt-news_science_products>.
44. U.S. Nuclear Regulatory Commission. Magnitude/Intensity Comparison. <<https://www.nrc.gov/docs/ML1821/ML18214A882.pdf>>.

3.10 MINE SUBSIDENCE

1. Illinois Compiled Statutes. Chapter 215: Insurance. Act 5: Illinois Insurance Code. Article XXXVIII – Mine Subsidence Insurance. <<http://www.ilga.gov/legislation/ilcs/ilcs4.asp?DocName=021500050HArt%2E+XXXVIII&ActID=1249&ChapterID=22&SeqStart=155300000&SeqEnd=157000000>>.
2. Illinois Department of Natural Resources. Illinois Coal Annual Statistical Report. 2021. <<https://www2.illinois.gov/dnr/mines/Documents/Annual%20Statistical%20Reports/asr2021.pdf>>.

3. Illinois Mine Subsidence Insurance Fund. Detecting Damage. <<https://www.imsif.com/about-mine-subsidence/detecting-damage>>.
4. Illinois Mine Subsidence Insurance Fund. History of Mining in Illinois. <<https://www.imsif.com/about-mine-subsidence/history-of-mining-in-illinois>>.
5. Illinois Mine Subsidence Insurance Fund. How to Obtain Mine Subsidence Insurance. <<https://www.imsif.com/about-mine-subsidence-insurance/how-to-obtain-mine-subsidence-insurance>>.
6. Illinois Mine Subsidence Insurance Fund. Illinois Mine Subsidence Insurance Fund Historical Record. By Kathleen A. Moran. 2017. <<https://www.imsif.com/images/files/HistoricalRecord.pdf>>.
7. Illinois Mine Subsidence Insurance Fund. Mission Statement. <<https://www.imsif.com/about-imsif/mission-statement>>.
8. Illinois Mine Subsidence Insurance Fund. Types of Mine Subsidence. <<https://www.imsif.com/about-mine-subsidence/types-of-mine-subsidence>>.
9. Illinois State Geological Survey. Coal-Illinois' Black Treasure. 2004. <<https://www.ideals.illinois.edu/items/110036>>.
10. Illinois State Geological Survey. Coal Mines in Illinois (ILMINES). Online Map Viewer. <<http://isgs.illinois.edu/ilmines>>.
11. Illinois State Geological Survey. County Coal Data and Maps. <<https://isgs.illinois.edu/research/coal/maps/county>>.
12. Illinois State Geological Survey. Karst Landscapes of Illinois: Dissolving Bedrock and Collapsing Soil. <<http://www.isgs.illinois.edu/outreach/geology-resources/karst-landscapes-illinois-dissolving-bedrock-and-collapsing-soil>>.
13. Illinois State Geological Survey. Mine Subsidence in Illinois: Facts for Homeowners. By Robert A. Bauer. 2013. 2nd Edition. Circular 569. <<http://library.isgs.illinois.edu/Pubs/pdfs/circulars/c569-2013.pdf>>.
14. Illinois State Geological Survey. Planned Coal Mine Subsidence in Illinois: A Public Information Booklet. By Robert A. Bauer. 2008. Circular 573. <<http://library.isgs.illinois.edu/Pubs/pdfs/circulars/c573.pdf>>.
15. Illinois State Geological Survey. The Proximity of Underground Mines to Urban and Developed Lands in Illinois. By Christopher P. Korose, Andrew G. Louchios, and Scott D. Elrick. 2009. Circular 575. <<https://www.isgs.illinois.edu/sites/isgs/files/files/c575.pdf>>.
16. National Mining Association. Facts About Coal and Minerals. 2020. <<https://nma.org/wp-content/uploads/2016/11/factbook2020.pdf>>.
17. United States Geological Survey. Mineral Industry Surveys: Directory of Active Metal and Industrial Mineral Underground Mines in the United States in 2015. 2015. <<file:///C:/Users/abostwick/Downloads/dir-2015-ugmin.pdf>>.

3.11 LEVEE FAILURES

1. Federal Emergency Management Agency. Commonly Used Terms and Acronyms for Levee Systems. <https://www.fema.gov/sites/default/files/2020-08/fema_commonly-used-terms-acronyms-levee-system.pdf>
2. Federal Emergency Management Agency. Factsheet: What is a Levee? <https://www.fema.gov/sites/default/files/2020-08/fema_what-is-a-levee_fact-sheet_0512.pdf>.
3. Federal Emergency Management Agency. Glossary of Frequently Used Terms for Levee Systems. September 2008. <<https://www.cityofconcord.org/DocumentCenter/View/473/FEMA---Glossary-Used-with-Levee-Systems-PDF?bidId=>>.
4. Illinois Association for Floodplain and Stormwater Management. Why the Concern with Levees? They're Safe, Right? By Bryan Martindale and Paul Osman. 15 September 2007. <<https://www.illinoisfloods.org/news-entry/6/why-the-concerns-with-levees-they-re-safe-right>>.
5. Illinois Association of Drainage Districts. FAQs. <http://iadd.info/?page_id=47>.
6. Illinois Compiled Statutes. Chapter 70: Special Districts. Act 605: Illinois Drainage Code. <<http://www.ilga.gov/legislation/ilcs/ilcs5.asp?ActID=869&ChapterID=15>>.
7. Illinois State Water Survey. The 1993 Flood on the Mississippi River in Illinois. By Nani G. Bhowmik, et al. Miscellaneous Publication 151. 1994. <<https://www.isws.illinois.edu/pubdoc/MP/ISWSMP-151.pdf>>.
8. U.S. Army Corps of Engineers. Rock Island District. Levee Safety Program. Levees. <<https://www.mvr.usace.army.mil/Missions/Flood-Risk-Management/Levee-Safety-Program/Levees/>>.
9. U.S. Army Corps of Engineers. Rock Island District. Levee Safety Program. Public Law 84-99 Levees in the Rock Island District. <<https://www.mvr.usace.army.mil/Missions/Flood-Risk-Management/Levee-Safety-Program/Public-Law-84-99-Program/Public-Law-84-99-Levees/>>.
10. U.S. Army Corps of Engineers. Rock Island District. Levee Safety Program. Terms & Definitions. 18 March 2019 <<https://www.mvr.usace.army.mil/Missions/Flood-Risk-Management/Levee-Safety-Program/Levees/Terms-Definitions/>>.
11. U.S. Army Corps of Engineers. National Levee Database. Database. <<https://levees.sec.usace.army.mil/#/>>.

3.12 DAMS

1. Association of State Dam Safety Officials. Failures and Incidents at Dams. <<https://damsafety.org/dam-failures>>.
2. Federal Emergency Management Agency. Federal Guidelines for Dam Safety: Hazard Potential Classification System for Dams. April 2004. <<https://www.ferc.gov/sites/default/files/2020-04/fema-333.pdf>>.
3. Federal Emergency Management Agency. Multi Hazard Identification and Risk Assessment: A Cornerstone of the National Mitigation Strategy. 1997.

4. Federal Emergency Management Agency. Risk Prioritization Tools for Dams: Users Manual. By URS Group, Inc. 3 March 2008. <<https://damsafety.org/sites/default/files/files/RiskPrioritizationManual2008.pdf>>.
5. Illinois Administrative Code. Title 17: Conservation. Chapter I: Department of Natural Resources. Subchapter h: Water Resources. Part 3702: Construction and Maintenance of Dams. Section 3702.30 Applicability. <<http://www.ilga.gov/commission/jcar/admincode/017/017037020000300R.html>>.
6. National Oceanic and Atmospheric Administration. Report to Administrator, NOAA, on Buffalo Creek (West Virginia) Disaster, 26 February 1972. 17 April 1972. <<https://www.weather.gov/media/publications/assessments/Bufalo%20Creek%20WV%20Disaster%20February%201972.pdf>>.
7. Stanford University. National Performance of Dams Program. NPDP Dam Incidents Database. Database. <http://npdp.stanford.edu/dam_incidents>.
8. Stanford University. National Performance of Dams Program. NPDP Dams Database. Database. <http://npdp.stanford.edu/dams_database>.
9. U.S. Army Corps of Engineers. Engineering and Design: Safety of Dams – Policy and Procedures. ER 1110-2-1156. 31 March 2014. <<https://www.publications.usace.army.mil/USACE-Publications/Engineer-Regulations/>>.
10. U.S. Army Corps of Engineers. National Inventory of Dams. Database. <<https://nid.usace.army.mil/#/>>.
11. U.S. Department of Labor. Mine Safety and Health Administration. Slurry Spill Suffering: The Buffalo Creek Flood. 14 March 2019.
12. U.S. Department of Labor. Mine Safety and Health Administration. Buffalo Creek Mine Disaster 50th Anniversary. 2022. <<https://www.msha.gov/buffalo-creek-mine-disaster-50th-anniversary>>.
13. West Virginia Archives and History. The Buffalo Creek Flood and Disaster: Official Report from the Governor's Ad Hoc Commission of Inquiry. 1973. <<http://129.71.204.160/history/disasters/buffcreekgovreport.html>>.

3.13 MAN-MADE HAZARDS

1. Association of American Railroads. Freight Railroads in Illinois. <<https://www.aar.org/data-center/railroads-states/>>.
2. Association of American Railroads. Freight Railroads Moving America Safely. <<https://www.aar.org/fact-sheets/>>.
3. Association of American Railroads. Freight Railroads in United States. <<https://www.aar.org/data-center/railroads-states/>>.
4. California Department of Fish and Wildlife. Office of Spill Prevention and Response. National Resource Damage Assessment (NRDA) and Restoration. Refugio. <<https://www.wildlife.ca.gov/OSPR/NRDA/Refugio>>.

5. Federal Bureau of Investigation. Terrorism 2002 – 2005. <https://www.fbi.gov/file-repository/stats-services-publications-terrorism-2002-2005-terror02_05.pdf/view>.
6. Illinois Commerce Commission. Transportation. Railroad Safety. Annual Report on Accidents/Incidents Involving Hazardous Materials on Railroads in Illinois. <<https://www.icc.illinois.gov/reports/report.spx?rt=19>>.
7. Illinois Department of Transportation. Transportation Fast Facts. <<https://idot.illinois.gov/transportation-system/Network-Overview/index>>.
8. Illinois Emergency Management Agency. Hazardous Materials Incident Reports Database. <<https://public.iema.state.il.us/OIAHazmatSearch/>>.
9. Illinois Emergency Management Agency. Tier 2 Hazardous Chemical Reports Database. <<https://public.iema.state.il.us/FOIAHazmatSearch/T2Search.aspx>>.
10. Illinois Environmental Protection Agency. Do I Have a Special Waste? <<https://www2.illinois.gov/epa/topics/waste-management/waste-disposal/special-waste/Pages/do-i-have.aspx>>.
11. Illinois Environmental Protection Agency. Generators and Managers of Hazardous Waste in Illinois. <<https://www2.illinois.gov/epa/topics/waste-management/waste-disposal/hazardous-waste/Pages/annual-report.aspx>>.
12. Illinois Environmental Protection Agency. Landfill Capacity Report. <<https://www2.illinois.gov/epa/topics/waste-management/landfills/landfill-capacity/Pages/default.aspx>>.
13. Illinois Environmental Protection Agency. Leaking Underground Storage Tanks. <<https://www2.illinois.gov/epa/topics/cleanup-programs/lust/Pages/default.aspx>>.
14. Illinois Environmental Protection Agency. Leaking UST Database. Database. <<https://www2.illinois.gov/epa/topics/cleanup-programs/bol-database/Pages/leaking-ust.aspx>>.
15. Illinois Environmental Protection Agency. Permitted Facilities for Storage, Treatment, Recycling, Incinerating, Transfer Stations and Processing. Database. <<https://www2.illinois.gov/epa/topics/waste-management/permitted-facilities/Pages/default.aspx>>.
16. Illinois Environmental Protection Agency. Site Remediation Program. <<https://www2.illinois.gov/epa/topics/cleanup-programs/srp/Pages/default.aspx>>.
17. Illinois Environmental Protection Agency. Site Remediation Program Database Search. Database. <<https://www2.illinois.gov/epa/topics/cleanup-programs/bol-database/Pages/srp.aspx>>.
18. Illinois Environmental Protection Agency. State Response Action. <<https://www2.illinois.gov/epa/topics/cleanup-programs/state-response-action/Pages/default.aspx>>.

19. Illinois Environmental Protection Agency. State Response Action Program. Database. <<https://www2.illinois.gov/epa/topics/cleanup-programs/bol-database/Pages/ssu.aspx>>.
20. National Transportation Safety Board. Pipeline Accident Brief: Large Crude Oil Spill from Damaged Enbridge Energy Pipeline. NTSB Number: PAB-13-03. Adopted 30 September 2013. <<https://www.nts.gov/investigations/AccidentReports/Reports/PAB1303.pdf>>.
21. National Transportation Safety Board. Pipeline Accident Report: Enbridge Incorporated Hazardous Liquid Pipeline Rupture and Release. NTSB Number: PAR-12-01. Adopted 10 July 2012. <<https://www.nts.gov/investigations/AccidentReports/Reports/PAR1201.pdf>>.
22. National Transportation Safety Board. Pipeline Accident Report: Natural Gas-Fueled Building Explosion and Resulting Fire. NTSB Number: PAR-15-01. Adopted 9 June 2015. <<https://www.nts.gov/investigations/AccidentReports/Reports/PAR1501.pdf>>.
23. National Transportation Safety Board. Pipeline Accident Report: Pacific Gas and Electric Company Natural Gas Transmission Pipeline Rupture and Fire. NTSB Number: PAR-11-01. Adopted 30 August 2011. <<https://www.nts.gov/investigations/accidentreports/reports/par1101.pdf>>.
24. National Transportation Safety Board. Preliminary Report: Pipeline Explosion and Fire, Manhattan, NY, March 12, 2014.
25. University of Maryland. START: National Consortium for the Study of Terrorism and Responses to Terrorism. American Deaths in Terrorist Attacks, 1995 - 2019. Fact Sheet. October 2020. <<https://www.start.umd.edu/publication/american-deaths-terrorist-attacks-1995-2019>>.
26. University of Maryland. START: National Consortium for the Study of Terrorism and Responses to Terrorism. Global Terrorism Database. Database. <<http://www.start.umd.edu/gtd/>>.
27. U.S. Department of Transportation. Federal Highway Administration. Highway Statistics Series. <<https://www.fhwa.dot.gov/policyinformation/statistics.cfm>>.
28. U.S. Department of Transportation. Federal Highway Administration. Bridge Condition by Highway System. <<https://www.fhwa.dot.gov/bridge/nbi/condition.cfm>>.
29. U.S. Department of Transportation. Pipeline and Hazardous Materials Safety Administration. Distribution, Transmission & Gathering, LNG, and Liquid Accident and Incident Data. <<https://www.phmsa.dot.gov/data-and-statistics/pipeline/distribution-transmission-gathering-lng-and-liquid-accident-and-incident-data>>.
30. U.S. Department of Transportation. Pipeline and Hazardous Materials Safety Administration. National Pipeline Mapping System. Public Map Viewer. Map. <<https://www.npms.phmsa.dot.gov/>>.

31. U.S. Environmental Protection Agency. National Priorities List (NPL) Sites – by State. Database. <<https://www.epa.gov/superfund/npl-site-status-information>>.
32. U.S. Environmental Protection Agency. Superfund: National Priorities List (NPL). <<https://www.epa.gov/superfund/superfund-national-priorities-list-npl>>.
33. U.S. Environmental Protection Agency. TRI Explorer. Database. <https://enviro.epa.gov/triexplorer/tri_release.chemical?>>.
34. U.S. Environmental Protection Agency. What is Superfund? <<https://www.epa.gov/superfund/what-superfund>>.

4.0 MITIGATION STRATEGY

1. Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. Existing Mitigation Project/Activity Status. Form.
2. Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. Hazard Mitigation Projects. Form.

APPENDIX A

Attendance Sheet
Tazewell & Woodford Counties Multi-Jurisdictional
Multi-Hazard Mitigation Advisory Committee Meeting
January 31, 2023

	Name (Please Print)	Representing (Jurisdiction/Organization)	Title
1.	KEN RYNKLE	AEC	RISK ASSESSOR
2.	Reema Abi-Akar	TCRPC	Planner III
3.	Ed Shimon	NWS	Warning Coordination Meteorologist
4.	Dawn COOK	TC EMA	Director
5.	Michael Bruner	TCRPC	Planner III
6.	Cameron Bettin	Pekin Park Dist.	EXEC. DIRECTOR
7.	Kent McCollough	WC EMA	Director
8.	Dawn HARPER	EPIQ	TRANSPORTATION SPECIALIST
9.	Leticia Crotcher	Red Cross	Disaster Specialist
10.	Bill Moline	Minonk	City Administrator
11.	Marjorie Greuter	EP CHSD 309	Superintendent
12.	Jon Oliphant	City of Washington	Planning & Dev. Dir.
13.	Chief Justin Egan	Crève Coeur	Chief
14.	Shanita Wallace	Crève Coeur	Health & Safety Mgr.
15.	Ann Sasso	Germanton, Hills	Village Administrator
16.	JAMEY BULLARD	VILLAGE OF MORTON	ENGINEERING TECH

Attendance Sheet
Tazewell & Woodford Counties Multi-Jurisdictional
Multi-Hazard Mitigation Advisory Committee Meeting
January 31, 2023

	Name (Please Print)	Representing (Jurisdiction/Organization)	Title
1.	Callie Smith	AEC	Environmental Analyst
2.	Shabnam Daresl	WMBS	Reporter
3.	Ty Livingston	City of East Peoria	Director
4.	EMILY ROGIER	Tazewell Co. Farm Bureau	Manager
5.	Malena Cook	Woodford Co Farm Bureau	Mgr
6.	Tonya Mize	City of Minonk EMA	Director
7.	Julie McNamara	City of Minonk	Alderswoman
8.	Barry Knuth	City of El Paso	Director of Public Service
9.	Melissa Brown	City of Eureka	City Services Coordinator
10.	Justin Egan	Village of Creve Coeur	Chief
11.	Guy Hathaway	Guy Hathaway ARC	Volunteer
12.	Don DeWitt	Don Maleski/Realtor	D. Managing Bidder
13.	JOE MARKS	PEORIA CO. EMA	DIRECTOR EM & Prep
14.	Robby Zimmerman	City of East Peoria	Fire Chief
15.			
16.			

Attendance Sheet
Tazewell & Woodford Counties Multi-Jurisdictional
Multi-Hazard Mitigation Advisory Committee Meeting

April 25, 2023

	Name (Please Print)	Representing (Jurisdiction/Organization)	Title
1.	Andrea Bestwick-Campbell	AEC	EMS Manager
2.	Reema Abi-Akar	TCRPC	Senior Planner
3.	Julie McNamara	City of Mazonk	Alderman
4.	Tony's Muz	city of Mazonk EMA	Director
5.	Michael Braser	TCRPC	Senior Planner
6.	Shawnta Wallace	Creve Coeur	Trustee
7.	Rich Brecklin	Germanatown Hills	Director
8.	Roger Kistow	Creve Coeur Fire	Assistant Chief
9.	Conrad Moore	Woodford County Highway Dept.	County Engineer
10.	Jon Olfert	City of Washington	Planning & Dev. Dir.
11.	Monica Whetstone	EPDLD + EP SD	Commissioner
12.	Dawn Lock	TZ EMA	Director
13.	Ed Shimon	NWS	Warning Coord. Met.
14.	Melissa Brown	City of Eureka	City Services Coordinator
15.			
16.			

Attendance Sheet
Tazewell & Woodford Counties Multi-Jurisdictional
Multi-Hazard Mitigation Advisory Committee Meeting
April 25, 2023

	Name (Please Print)	Representing (Jurisdiction/Organization)	Title
1.	Ken Runkle	AEC	Risk Assessor
2.	Kent McCannless	WCEMA	Director
3.	Dawn Harper	EPIC / PEORIA	Transportation Supervisor
4.	Barry Knauther	El Paso,	Director of Public Safety
5.	Fusion Equal	Crane Creek, Village of	Chief of Police
6.	WMBD	WMBD, Peoria	NEWS
7.	Ty Livingston	City of East Peoria	Dir. of Planning & Comm. Dev.
8.	Terry Keogh	Crane Creek	Public Works
9.	Michael Smith	Village of Roanoke	Mayor
10.	Patrick Ridsley	EPOLD	Com
11.	Cameron Bettin	Pekin Park Dist.	Exec. Director
12.	Jacquyn Workman	Taz Co. Community Dev	ADMINISTRATOR
13.	Marjorie Greuter	East Peoria CHSD 309	Superintendent
14.	JAMEY BULLARD	VILLAGE OF MORTON	ENG TECH
15.			
16.			

Attendance Sheet
Tazewell & Woodford Counties Multi-Jurisdictional
Multi-Hazard Mitigation Advisory Committee Meeting
July 25, 2023

	Name (Please Print)	Representing (Jurisdiction/Organization)	Title
1.	Callie Smith	AEC	Environmental Analyst
2.	Michael Smith	Village of Roanoke	Mayor
3.	Kent McCannloss	Woodford County EMA	Director
4.	Dawn HARPER	EPIC	Transp. Coordination
5.	Bill Motine	City of Minonk	City Admin
6.	Monica Whetstone	EPDLD	Commissioner
7.	Tonya Minonk	City of Minonk EMA	EMA Director
8.	JAMEY BULLARD	VILLAGE OF MORTON	ENG TECH
9.	Shanita Wallace	Village of Creve Coeur	Trustee
10.	JUSTIN R EGAN	VILLAGE OF CREVE COEUR	CHIEF OF POLICE
11.	DENNIS CARR	City of Washington	City Engineer
12.	Marjorie Greuter	East Peoria CHSD #309	Superintendent
13.	Barry Knuthner	City of El Paso	Director of Public Service
14.	Andrea Campbell	American Environmental Corp	EMS Manager
15.			
16.			

Attendance Sheet
Tazewell & Woodford Counties Multi-Jurisdictional
Multi-Hazard Mitigation Advisory Committee Meeting
July 25, 2023

	Name (Please Print)	Representing (Jurisdiction/Organization)	Title
1.	Reema Abi-Akar	Tri-County RPC	Senior Planner
2.	Gabriel Guevra	Tri-County RPC	Planner I
3.	Gavin Hunt	Tri-County RPC	Planner I
4.	Tony Readleman	City of Pekin	Deputy Fire Chief
5.	Terry L. Keogel	Village of Greve Coeur	Public Works
6.	Ann Doughty	Village of Germantown Hills	Village Administrator
7.	Rich Buecklin	" " " "	Public Works Director
8.	CAMERON BETTIN	Pekin Park Dist.	Exec. Dir.
9.	Eric Hansen	Tremont	Village Engineer
10.	Ty Lindquist	East Pease	Director of PSCD
11.	Jaclyn W. Workman	Tazewell County	Comm Dev. Admin.
12.	Jon Oliphant	City of Washington	Planning + Dev. Dir.
13.	Ed Shimon	National Weather Service	Warning Coordination Meteorologist
14.	Melissa Brown	City of Eureka	City Services Coordinator
15.			
16.			

Attendance Sheet
Tazewell & Woodford Counties Multi-Jurisdictional
Multi-Hazard Mitigation Advisory Committee Meeting
October 19, 2023

	Name (Please Print)	Representing (Jurisdiction/Organization)	Title
1.	KEN RUNKLE	AEC	Risk Assessor
2.	Callie Smith	AEC	Environmental Analyst
3.	Reema Abi-Akar	TCRPC	Senior Planner
4.	Kent McConles	WCEMA	Director
5.	Bill Motine	City of Minonk	City Admin.
6.	Matt Smith	WCSD	Sheriff
7.	Ty Livingston	East Peoria	Dir. of P&CD
8.	Tony Mize	City of Minonk EMA	Director
9.	Rich Brecklin	Village of Germantown Hills	Director
10.	Joshua Scarberry	Village of Boone	Trustee
11.	Barry Knutner	City of El Paso	Director
12.	Dawn Cook	Tazewell County	Director
13.	Shanita Wallace	Village of Oneida	Health & Safety Mgr
14.	Eric Hansen	Tremont	Village Engineer
15.	Cameron Bettin	Pekin Park Dist	Exec. Dir.
16.	Jon Olfert	City of Washington	Planning + Dev. Dir

Attendance Sheet
Tazewell & Woodford Counties Multi-Jurisdictional
Multi-Hazard Mitigation Advisory Committee Meeting
October 19, 2023

	<i>Name (Please Print)</i>	<i>Representing (Jurisdiction/Organization)</i>	<i>Title</i>
1.	KEVIN KOCH	CPDLD	DISTRICT ENGINEER
2.	Thomas Atkinson	EPDLD	District Engineer
3.	JAMEY BULLARD	VILLAGE OF MORTON	ENG TECH
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			

APPENDIX B

Meeting Minutes

Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee

January 31, 2023

1:30 p.m.

East Peoria City Hall

401 West Washington Street, East Peoria

Committee Members

American Red Cross
Creve Coeur, Village of
East Peoria, City of
East Peoria CHSD #309
EPIC
El Paso, City of
Eureka, City of
Germantown Hills, Village of
Minonk, City of
Morton, Village of
National Weather Service

Pekin Park District
Peoria County EMA
Tazewell County EMA
Tazewell County Farm Bureau
Tri-County Reg. Planning Commission
Washington, City of
WMBD TV
Women's Council of Realtors
Woodford County EMA
Woodford County Farm Bureau
American Environmental Corp.

Welcome and Introductions

On behalf of the Tri-County Regional Planning Commission, Ken Runkle and Callie Smith of American Environmental Corporation (AEC) welcomed attendees. Handout materials were distributed to each member. A link to a citizen questionnaire was provided to potential members via email as well. The questionnaires will help gauge residents and committee member understanding of the natural hazards that impact the County and also identifies communication preferences.

Ken began the meeting by sharing that the purpose of this Advisory Committee is to update the Tazewell and Woodford Counties Hazards Mitigation Plan and by providing background information on the planning grant and the planning process. The Tri-County Regional Planning Commission (RPC) applied for and received a planning grant from FEMA to update the hazard mitigation plans for the Counties. This grant is administered through the Illinois Emergency Management Agency (IEMA) and pays for 85% of the planning cost. The remaining 15% will be met through in-kind services. The goal of the grant is to obtain a FEMA-approved hazard mitigation plan. The process is expected to take about 12 to 15 months from start to finish.

What is Mitigation?

Ken explained that for the purpose of this process, mitigation is any sustained action that reduces the long-term risk to people and property from natural and man-made hazards and their impacts. Sustained actions can include projects and activities such as building a community safe room or establishing warming and cooling centers. Mitigation is one of

the phases of emergency management and is an important component in creating hazard-resistant communities.

What is a Multi-Hazard Mitigation Plan?

Ken then explained that a Multi-Hazard mitigation plan details the natural and man-made hazard events that have previously impacted a county and identifies activities and projects that reduce the risk to people and property from these hazards before an event occurs. A hazard mitigation plan is different from an Emergency Operations Plan/ Emergency Response Plan (EOP/ERP) because it identifies actions that can be taken before a disaster strikes whereas the EOP/ERP identifies how a county will respond during and immediately after an event occurs.

The natural and man-made hazards that will be included in the Plans are severe summer storms (including thunderstorms with damaging winds, hail, and lightning events); severe winter storms (including ice and snowstorms); floods (both flash flood and riverine floods); tornadoes; excessive heat; extreme cold; drought; earthquakes; landslides; mine subsidence; dam failures; levee failures; transportation, generation, and storage of hazardous substances; hazardous materials incidents; waste disposal; and remediation activities.

Why Update a Natural Hazards Mitigation Plan?

Since the early 1990s damages caused by weather extremes have risen substantially. In 2022 the U.S. experienced \$162 billion in severe storm damages from 18 severe weather and natural hazard events. The losses experienced in 2022 were the 3rd highest only behind 2017 (Harvey, Irma, Maria, and California Wildfires) and 2005 (Katrina, Rita, & Wilma). In the last decade, the U.S. has experienced the top three years with the highest total number of billion-dollar events and two of the top three years with the highest total losses ever recorded. Consequently, the Federal Emergency Management Agency (FEMA) continues to encourage counties throughout the U.S. to prepare and update hazard mitigation plans because what they've found is that for every dollar spent on mitigation, \$6 dollars can be reaped in savings.

Updating these plans provides several major benefits:

1. Access to federal mitigation assistance funds. Specific projects and activities will be developed through the planning process to help each participating jurisdiction reduce damages. By including these actions in these plans, the participating jurisdictions will remain or become eligible to receive state and federal funds to implement the actions.
2. Increased awareness of the impacts associated with natural hazards. Verifiable information about the natural hazards that occur in the two-county area will be gathered to help participants in municipal and county meetings make decisions about how to better protect citizens and property from storm damages.

The Planning Process

The goal of the Committee meetings is to update these plans to meet state and federal requirements so that they can be approved by IEMA and FEMA. The Planning Committee

is an integral part of the planning process and ensures that the Plans are tailored to the needs of the counties and participating jurisdictions.

A four meeting process has been developed to achieve this goal. Specific activities for the Committee meetings include:

1 st Committee meeting	Orientation to the Planning Process Required Information Needed to Participate Begin discussing Mitigation Projects and Activities
2 nd Committee meeting	Discuss the Risk Assessment Approve Mission Statement & Goals Participants Return Required Forms Discuss and approve mitigation strategy
3 rd Committee meeting	Finish discussing Mitigation Projects and Activities Committee discusses approval/adoption of the Plans
4 th Committee meeting (Public Forum)	Present the Plans for public review Committee helps answer questions from the public

Jurisdictions who wish to be part of the Plans must meet certain participation requirements that include:

- Participating in the planning meetings and public forum;
- Completing required forms;
- Coordinating with their constituents and the public; and
- Adopting the Plans once they are completed.

Information Needed from the Committee

As part of the update, Ken indicated that there is information that will be needed from each participating jurisdiction. The information provided will be used to meet FEMA plan requirements. He then talked about each of the forms that must be completed at the beginning of the planning process. These Include:

Critical Facilities. Completed lists of Critical Facilities will be used to identify facilities vulnerable to natural hazards and will be provided to IEMA and FEMA as a separate supplement. Copies of the Plans made available to the public will not include these lists for security reasons.

Capability Assessment: Each jurisdiction has a unique set of capabilities and resources available to accomplish hazard mitigation and reduce long-term vulnerabilities to hazard events. As part of the update of the plans, the existing capabilities of each jurisdiction need to be identified and described.

Shelter Surveys. Identifies locations designated as severe weather shelters within each jurisdiction including warming centers, cooling centers and community safe rooms.

Drinking Water Supply Worksheet: Information on the drinking water supplies that serve the participating communities needs to be identified to assist in assessing drought vulnerability.

Callie distributed each of these forms and Ken asked participants to complete and return them by the next meeting and to contact AEC if they had any questions.

Community Participation

Ken stressed the importance of attending each committee meeting and indicated that member participation helps the TCRPC meet the 15% match for this grant in addition to assuring that member jurisdictions are eligible for IEMA/FEMA funds. He indicated that tag-teaming and designating substitute representatives is permissible when other obligations arise. Ken pointed out that a designated substitute representative does not have to be an official or employee of the jurisdiction.

Ken requested that each jurisdiction consider sharing meeting information with their boards, councils, etc. at regularly scheduled meetings and consider posting the press release or adding a calendar item to their web pages. He also asked jurisdictions who are on Facebook to consider posting about the Plans or sharing the Planning Commissions post on their pages.

Ken indicated that another opportunity to include the public in the process is to post the link to the Citizen Questionnaire on their web pages or Facebook pages. The more individuals who complete the survey, the better our understanding will be of the public's perception of the hazards that impact the County. Finally, he asked the participants to consider posting or making available at their offices the "Frequently Asked Questions" document in their meeting packet. It provides a quick summary of what the Plans are and why it's important to participate.

Severe Weather Events

Ken told the Committee that, while AEC will review multiple data sources, including NOAA, NWS, and state and federal databases, these sources don't always include every event nor do they always include damage information, especially dollar amounts. In many cases, individuals at the local level are our best resource for this kind of information.

He then asked Committee members to share their memories of hazard events that have occurred in the County including any damages to critical infrastructure and facilities.

Hazard events related include:

- ❖ Parson tornado in July 2004 (Woodford County)
- ❖ Washburn tornado on February 28, 2017 (Woodford County)
- ❖ Roanoke flooding in 2013 (Woodford County)
- ❖ Roanoke flash flooding in late September 2019 (Woodford County)
- ❖ Severe winter storm in February 2022 that included a 100-car pileup on I-39 (Woodford County)

Ken asked participants to identify any hazard events that have impacted their jurisdiction by completing the form titled, “Hazard Event Questionnaire”. The information provided will help supplement the information included in the risk assessment.

He also asked Committee members to please provide any storm damage photos they would be willing to share for inclusion in the Plans.

Critical Facilities Vulnerability Survey

As part of the Plan update, Ken indicated that vulnerable community assets need to be identified for the participating jurisdictions. He asked Committee members to complete a 2-page survey distributed to help identify each community’s most vulnerable assets as well as identify a list of key issues that clearly describe each community’s greatest vulnerabilities. This information will be used in the vulnerability analysis.

Mitigation Projects

Ken explained that mitigation actions include activities and projects that reduce the long-term risk to people and property from the natural and man-made hazards discussed in the risk assessment.

Status of Existing Projects

Callie distributed “**Status of Existing Mitigation Actions**” forms to each of the previously participating jurisdictions detailing the mitigation projects and activities included in the 2019 Plan. Ken explained that as part of the update process the status of these projects needs to be determined. He described how the form should be completed so that this information can be included in the updated Plans.

New Projects

The form titled “**Hazard Mitigation Projects**” was then distributed and Ken indicated this form should be used to submit new projects and activities for the updated Plans. To help the jurisdictions think about and assemble their lists, information was included in the handout materials.

Ken indicated individual mitigation project lists will be updated for each participating jurisdiction and that this is a list of projects each jurisdiction would like to see accomplished if funding becomes available. FEMA is trying to stimulate the implementation of mitigation projects and activities to reduce the extraordinary amount of money being expended on hazard event damages.

The projects and activities included in the Plans should be mitigation-related, not emergency preparedness, response, recovery, or maintenance. Mitigation projects can include studies, regulatory activities, structural and infrastructure projects, and information/education activities. He provided advice for completing the mitigation project list including providing a detailed description of the project, the jurisdiction responsible for the project and the time frame to complete the project.

MAC members were encouraged to contact AEC if questions arise before they return to the next MAC meeting.

Mission Statement & Goals

Copies of draft updated mission statement and mitigation goals were distributed in the meeting packet. Committee Members were asked to review these prior to the next meeting. The mitigation goals describe the objectives or end results the Committee would like to accomplish in terms of hazard and loss reduction/prevention. Every project included in the Plans should be aimed at one or more of the goals identified by this Committee. Specific goals related to each jurisdiction can be added to this list as well.

What Happens Next?

The risk assessment will be the main topic of the next committee meeting.

The second meeting of the Committee was scheduled for:

**Tuesday, April 25, 2023
East Peoria City Hall
401 West Washington Street, East Peoria
1:30 P.M.**

Ken asked Committee members to please review the “Tasks to be Completed” handout before the next meeting and indicated that AECs contact information could be found on the last page of the meeting handout if any questions come up. With no further questions the meeting was adjourned, and Ken thanked attendees for their participation.

Meeting Minutes

Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee

April 25, 2023

1:30 p.m.

East Peoria City Hall

401 West Washington Street, East Peoria

Committee Members

Creve Coeur, Village of
East Peoria, City of
East Peoria CHSD #309
East Peoria D&LD
East Peoria Sanitary District
EPIC
El Paso, City of
Eureka, City of
Germantown Hills, Village of
Minonk, City of
Morton, Village of
National Weather Service

Pekin Park District
Roanoke, Village of
Tazewell County
EMA
Comm. Development
Tri-County Reg. Planning Commission
Washington, City of
WMBD TV
Woodford County
EMA
Highway
American Environmental Corp.

Welcome and Introductions

On behalf of the Tri-County Regional Planning Commission, Andrea Bostwick-Campbell and Ken Runkle of American Environmental Corporation (AEC) welcomed attendees. Handout materials were distributed to each member.

Andrea provided a brief recap to reorient Committee Members as to what has been accomplished. Before beginning the risk assessment presentation, Andrea asked the participating jurisdictions to submit their completed “Critical Facilities”, “Capability Assessments” and “Shelter Surveys” if they haven’t done so already.

Risk Assessment

Andrea indicated that due to time constraints she would be providing a regional overview of the findings and pointed out the both regional and county-specific information for each hazard was included in the meeting packet. There have been 13 major federally-declared disasters in the two-county area since 1973. A total of 1,796 verified natural hazard events have been documented over the last 20 to 70 years. There have been 258 events identified since the 2018 Update was completed. A minimum of \$1.1 billion in damages have resulted from 265 documented natural hazard events. In addition, \$74.6 million in crop damages were recorded for 20 events. Eight fatalities and 208 injuries were recorded for 29 of the documented natural hazard events.

The damage amounts are actually much higher based on several facts:

- 1.) damage descriptions for many floods, tornadoes and severe storm events did not include dollar amounts;
- 2.) damages to roads from heat and freeze/thaws conditions were not included; and
- 3.) crop damage figures were unavailable for a majority of the events.

Tazewell County Overview

Eleven of the 13 major federally-declared disasters include Tazewell County and of the 1,796 natural hazard events documented, 971 events occurred in Tazewell County:

- Since 2018, 145 individual events have occurred in the County.
- At least \$1 billion in property damages was recorded for 152 events
- Approximately 87% of the property damages documented in the two-county area was from the 2013 tornadoes (\$980 million)
- At least \$45.3 million in crop damages was recorded for 12 events
- A minimum of 7 fatalities and 189 injuries were recorded for 18 events
- 3 fatalities and 125 injuries were from the 2013 tornadoes and account for over 65% of all the fatalities and injuries recorded in the two-county area

Woodford County Overview

Eleven of the 13 major federally-declared disasters include Woodford County as well and of the 1,796 natural hazard events documented, 825 events occurred in Woodford County:

- Since 2018, 113 individual events have occurred in the County
- At least \$84.9 million in property damages was recorded for 114 events
- At least \$29.4 million in crop damages was recorded for 9 events
- A minimum of 1 fatality and 19 injuries were recorded for 11 events

The frequency, magnitude, and property damages for each category of natural hazard for the two-county area were then described.

Severe Storms

Severe storms are the most frequently occurring natural hazard with 645 events verified in the two-county area, 98 of those events occurring since the 2018 update was completed. One of the 13 major federal disaster declarations for the two-county area included severe storms. Approximately \$10.3 million in damages has resulted from 182 events. Additionally, there was \$1.2 million in crop damage from five events. At least seven fatalities and 610 injuries can be attributed to severe storms. Almost all the injuries and fatalities are attributed crashes associated with wet pavement conditions.

The highest recorded wind speed in the two-county area, not associated with a tornado, is 83 knots (96 mph) and occurred in Tazewell on June 29, 1998. The largest hail recorded in the two-county area is 4.00 inches (grapefruit-sized) at Secor on May 30, 2004.

Severe Winter Storms

There have been at least 279 verified events involving severe winter storms (snow and/or ice) since 1950 and 86 extreme cold events since 1995. Twenty-two severe

winter storms and 12 extreme cold events have occurred since the 2018 update was completed. Two of the 13 major federal disaster declarations for the two-county area are related to severe winter storms. Approximately \$3.7 million in damages has resulted from 11 events. At least six fatalities and 313 injuries can be attributed to severe winter storms, almost all of which are attributed to crashes involving ice and snow-covered roadways.

At least 16 major storms have occurred in every decade since 1970. In the last decade, at least 24 severe winter storms took place.

The record maximum 24-hour snowfall in the two-county area is 16.0 inches, which occurred at the Morton COOP Station on January 1, 1999. The coldest recorded temperature is -36°F at the Congerville COOP Station on January 5, 1999.

Floods

Gaps in historical data were reviewed to document a least 131 verified general flood events and 76 flash flood events in the two-county area. Seven of the 13 major federal disaster declarations for the two-county area are related to flooding. At least \$105.4 million in damages has resulted from 16 flood events. Additionally, there was \$8.3 million in crop damages from two flood events. No injuries or fatalities were recorded as a result of any of the recorded events.

Excessive Heat

Additional resources were reviewed to fill historic data gaps, which led to the identification of 118 recorded excessive heat events reported in the two-county area since 1995. No injuries or fatalities were recorded as the result of excessive heat events.

The hottest temperature recorded in the two-county area was 111°F at the Minonk COOP Station on July 14 & 15, 1936. Five of the six hottest recorded temperatures in Minonk are from 1936.

Tornadoes

Since 1950, 115 tornadoes have been verified in the two-county area, with 11 occurring since the 2018 update was completed. Approximately \$1 billion in property damages has resulted from 48 of these tornadoes, which is about 90% of all the property damage recorded in the two counties. Additionally, \$90,000 in crop damages were recorded from 11 separate events. Three fatalities and 184 injuries were recorded as a result of 12 separate tornado events.

The highest recorded F-Scale rating for a tornado in the two-county area was an F4, which occurred on July 13, 2004 in unincorporated Woodford County and an EF4 on November 17, 2013 in Tazewell County. The longest tornado was an F3 that was 21.1 miles long in Tazewell County on July 13, 1995. The widest tornado recorded, 880 yards, occurred twice: an F3 on July 13, 1995 in Tazewell County and an EF4/EF3 on November 17, 2013 in both counties.

Drought

Six major droughts have occurred during the last four decades – 1983, 1988, 2005, 2011, 2012, and 2013. There has been at least one drought per decade with the exception of the 1990s when no substantial droughts were recorded. The 2012 drought caused an estimated \$65.1 million in crop damages, which is more than 86% of all the crop damage recorded for the two-county area.

Following each declared drought, crop yield reductions were generally experienced, some substantial. Corn and soybean yield reductions were most severe for the 1988 drought when there was a 50.7% to 58.9% reduction in corn yields and an 35.7% to 44.9% reduction in soybean yields.

Landslides

There have been five documented landslide events in the two-county area since 1985, four in Tazewell County and one in Woodford County. Approximately \$1.1 million damages were recorded from two separate events in East Peoria. One fatality was recorded as a result of the 1995 East Peoria landslide.

Earthquakes

In the previous 200 years, no earthquakes have originated in the two-county area while seven earthquakes have originated in the adjacent counties of Peoria, Mason, Fulton, LaSalle, and McLean. There are no known fault zones or geologic structures located in the two-county area.

Mine Subsidence

There are 31 documented underground coal mines located in the two-county area according to the Illinois State Geological Survey's Directory of Coal Mines. No mine subsidence events have been documented. Andrea asked committee members for any additional information about such events.

According to the Illinois State Geological Survey, there are 8,288 acres (2.0% of the land area) and 7,539 housing units (14.3% of the total housing units) in Tazewell County located over or adjacent to mapped mines and land that could be affected if the mine boundaries are inaccurate or uncertain. These figures are 3,650 acres (1.1% of the land area) and 906 housing units (6.8% of total housing units) for Woodford County.

Mine subsidence has the potential to impact Creve Coeur, East Peoria, Marquette Heights, Pekin, Minonk, and Roanoke, as well as unincorporated areas of the two counties.

Levees

There are nine levees of significance in Tazewell County and none in Woodford County. Seven of the nine levees are located in East Peoria and protect approximately 1,041 structures, 6,034 individuals, and \$543 million in property. The two remaining levees are located in southwest Tazewell County and protect approximately 184 structures, 278 individuals, and \$157.5 million in property.

Dams

There are 53 classified dams in the two-county area according to the US Army Corps of Engineers' National Inventory of Dams. Six dams are publicly owned, four in Tazewell County and two in Woodford County. The remaining 47 dams are privately owned. There are six dams with a hazard classification of "High" (five in Tazewell and one in Woodford) and 11 dams with a hazard classification of "Significant" (10 in Tazewell and one in Woodford).

Ken Runkle of AEC then provided information about select man-made hazards in the two-county area.

Man-Made Hazards Risk Assessment

Ken informed the Committee that while the focus of this planning effort is directed at natural hazards, FEMA allows a small portion of the planning process to be devoted to an overview of selected man-made hazards.

Although this overview does not have the same depth as the assessment of natural hazards, it provides useful information to place various man-made hazards in perspective. The man-made hazard risk assessment focused on the following categories of:

- generation, storage/handling, and transportation of hazardous substances;
- waste disposal;
- hazardous materials (hazmat) incidents; and
- waste remediation.

Hazardous substances broadly include flammable, explosive, biological, chemical, or physical material that has the potential to harm public health or the environment. For the purposes of these Plans, the term includes both hazardous product and hazardous waste.

Generation, Storage/Handling, & Transportation

In 2021, there were 20 facilities in the two-county area that generated reportable quantities of hazardous substances according to the USEPA.

Based on records obtained from IEMA's Tier II database, there were 146 stationary facilities within the two-county area that stored and/or handled hazardous substances. Sixty-five of these facilities stored and/or handled chemicals identified as "Extremely Hazardous Substances".

Waste Disposal

There is one active commercial solid (household) waste landfill operating in the two-county area: Tazewell County Landfill. There are no facilities within the two-county area permitted to handle Potentially Infectious Medical Waste and no commercial off-site hazardous waste treatment or disposal facilities.

Hazardous Materials (Hazmat) Incidents

A hazardous materials (hazmat) incident refers to any accident involving the release of hazardous substances. Incidents can take place at fixed facilities or as they are being transported. Between 2012 and 2021 there were 148 hazmat incidents reported to IEMA & ICC in the two-county area. Of the 148 incidents, 107 occurred at fixed facilities, while

41 occurred during transport. Of the 41 transportation hazmat incidents, 33 were roadway incidents, 2 were rail incidents, and 6 were barge incidents.

Waste Remediation

Waste remediation in Illinois is primarily conducted through three programs: the federal Superfund Program (for sites posing the largest threat to public health and the environment), the Illinois Site Remediation Program (SRP), and the Illinois Leaking Underground Storage Tank (LUST) Program.

Superfund: There are no active Superfund sites in the two-county area.

Illinois SRP: There are 27 SRP sites located the two-county area. Twenty-three of the sites have received “No Further Remediation” (NFR) or 4(y) letters.

Illinois LUST: There are 377 LUST sites located in the two-county area. Approximately 63% of these sites have received NFR, Non-Lust Determination or Section 4(y) letters or remediation is virtually complete.

Risk Priority Index Exercise

Following the risk assessment, Andrea led the Committee through a Risk Priority Index (RPI) exercise. The RPI is a quantitative means of providing guidance for ranking the hazards that have the potential to impact each county. This ranking can assist participants in determining which hazards present the highest risks and therefore which ones to focus on when formulating mitigation projects and activities. Each hazard is scored on three categories: frequency, impacts on life and health and impacts on property and infrastructure based on a scoring system provided. Andrea walked the committee through the scoring system using excessive heat as an example and then provided time for the Committee to fill out the PRI form during the meeting. The results will be compiled, and the findings will be presented at the next meeting.

Mission Statement & Goals

Ken asked Committee members to review the draft mission statement and updated mitigation goals provided in the meeting materials. Both of these are required elements of the Plan. As part of the Plan update process, both items need to be reviewed and re-evaluated. The mission statement was reviewed, and it was determined that no revisions to the wording were needed.

Next Ken discussed the mitigation goals, which are intended to reduce long-term vulnerabilities to natural and man-made hazards. Each project included in the updated Plan should be aimed at one or more of the goals developed by the committee. The updated goals were reviewed, and no revisions were made to the wording.

The mission statement and goals will be added to the Plan update.

Mitigation Actions Prioritization Methodology

The Mitigation Actions Prioritization Methodology outlines the approach used to classify each mitigation action identified by the participating jurisdictions and is a FEMA-required element of the Plan.

Mitigation actions can be prioritized in a number of ways. Ken explained that the updated methodology is based on two key factors:

- 1) Frequency of hazard—severe storms occur more frequently than earthquakes.
- 2) Degree of mitigation—some projects will significantly reduce damages while other projects only have the potential to reduce damages.

This methodology helps objectively identify which projects and activities have a greater likelihood to significantly reduce the long-term vulnerabilities associated with the most frequently-occurring hazards. After reviewing the updated methodology, the Committee determined that no changes needed to be made.

Ken acknowledged that while this methodology does not take cost or politics into consideration, these factors may affect the order in which projects are implemented. She also noted that it is important to keep in mind that implementing all of the mitigation projects is desirable regardless of which prioritization category they fall under.

Community Lifelines

Before discussing mitigation projects and the mitigation action tables with the Committee, Andrea took a few minutes to discuss the concept of community lifelines. FEMA has identified seven community lifelines that are the most fundamental services in the community that, when stabilized, enable all aspects of society to function. The seven community lifelines include: safety & security; food, water, shelter; health & medical; energy (power & fuel); communications; transportation; and hazardous materials.

While the concept of community lifelines was developed to support emergency response and planning, FEMA has begun applying it to all phases of emergency management. Efforts to protect community lifelines and prevent and mitigate potential impacts to them is one of the focuses of the BRIC grant program. A handout with a brief description of the community lifelines was included in the meeting packet. Community lifelines will be included in most project description to create a clear connection to the concept.

Mitigation Action Tables

Andrea reiterated that mitigation actions include activities and projects that reduce the long-term risk to people and property from the natural and man-made hazards discussed in the risk assessment.

She then described how the draft methodology, the existing and new lists of mitigation projects, finalized goals, and other information will be presented for Committee review. She chose a frequently-requested mitigation project, a community safe room (tornado-shelter), as an example to show how a typical project is prioritized and entered into the Plan on a Mitigation Action Table. She described how each column in the Mitigation Action Table would be completed for this example project.

She explained that the information in the Mitigation Action Tables would be prepared by AEC, but that the Tables cannot be completed until all of the participants submit their draft lists of projects. Committee Members will have the opportunity at the next meeting to review all of the mitigation projects submitted so that they can make adjustments to their lists if they choose.

It was noted that each jurisdiction will have their own list of jurisdiction-specific mitigation projects and they do not need to get approval from any of the other participating jurisdictions or any of the other participants for any of their projects. Participants were also reminded that this is a list of projects and activities they would like to see accomplished if funding becomes available. For a jurisdiction to be eligible for a project, it must be on its list.

This is a mitigation plan and there are some projects that IEMA/FEMA do not consider mitigation. Projects associated with emergency preparedness, disaster response & recovery and maintenance will not be included in the Plan. Andrea noted that as the committee members put their lists together, if they are unsure about whether a project would be considered mitigation, go ahead, and include it on their list. AEC will review the lists and help make the appropriate determinations.

Committee members were encouraged to contact Andrea or Ken if questions arise before they return to the next Committee meeting.

What Happens Next?

Committee members were asked to return all completed forms to AEC by Friday, June 16 so they can be processed in time for the next meeting, which was scheduled for:

Tuesday, July 25, 2023

East Peoria City Hall, 401 West Washington Street, East Peoria, 1:30 P.M.

Public Comment

The Tazewell County EMA Director asked whether there had been a shift in FEMA's priorities in terms of project funding. Andrea explained the grant programs available through FEMA's Hazard Mitigation Assistance program including the addition of BRIC and its focus on regional projects that address future conditions.

With no other questions or comments, Andrea adjourned the meeting.

Meeting Minutes

Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee

July 25, 2023

1:30 p.m.

East Peoria City Hall

401 West Washington Street, East Peoria

Committee Members

Creve Coeur, Village of
East Peoria, City of
East Peoria CHSD #309
East Peoria D&LD
EPIC
El Paso, City of
Eureka, City of
Germantown Hills, Village of
Minonk, City of
Morton, Village of
National Weather Service

Pekin, City of
Pekin Park District
Roanoke, Village of
Tazewell County
Comm. Development
Tremont, Village of
Tri-County Reg. Planning Commission
Washington, City of
Woodford County
EMA
American Environmental Corp.

Welcome

Reema Abi-Akar, Senior Planner of the Tri-County Regional Planning Commission, welcomed attendees. She turned the meeting over to Andrea Bostwick, American Environmental Corporation (AEC), who opened the meeting.

Handout materials were distributed to each member in attendance. Andrea provided a brief recap to reorient Committee Members as to what has been accomplished so far.

Tornado Vulnerability Analysis

Andrea then began the tornado vulnerability analysis discussion by noting that analysis estimates future potential damages in terms of dollar loss to residences, including contents, for each participating jurisdiction based on FEMA acceptable formulas. The potential damages were calculated on the magnitude most likely to be encountered, not on a worst-case event.

Since 1950, 67 verified tornadoes have occurred in Tazewell County, and 48 verified tornadoes have occurred in Woodford County. While occurring less frequently than severe storms, severe winter storms and floods, tornadoes have caused at least \$978.2 million in property damages in Tazewell County, and \$30.6 million in property damages in Woodford County.

Using information from the 67 verified tornadoes in Tazewell County and the 48 verified tornadoes in Woodford County, damages were calculated based on an “average” tornado.

The average tornado in Tazewell County impacts approximately 0.17 square miles, whereas the average tornado in Woodford County impacts approximately 0.15 square miles. She noted that the area impacted by the average tornado decreased slightly for each County from the previous Plan.

Housing densities were calculated from U.S. Census Bureau information for each of the participating jurisdictions. This information, along with a set of assumptions were used to estimate the number of vulnerable residential structures. Potential dollar losses were then calculated for these vulnerable residential structures using the provided tax assessment values and an additional assumption about the degree of damage sustained by the structures and their contents.

Potential dollar losses caused by an average-sized tornado in Tazewell County to residences and their contents would be expected to exceed at least \$17 million in any of the participating municipalities. Losses ranged from \$17.8 million in East Peoria to \$56 million in Washington. For Woodford County, dollar losses caused to residences and their contents by an average-sized tornado would be expected to exceed at least \$8.9 million in any of the participating municipalities. These losses ranged from \$8.9 million in Minonk up to \$50.8 million in Germantown Hills.

Potential dollar losses by township in Tazewell County would be expected to range from \$75,750 in Boynton Township to \$16.1 million in Pekin Township. For Woodford County, losses by township would be expected to range from \$115,985 in Linn Township up to \$4 million in Worth Township. Andrea noted that the damage figure for the most populated townships would only be reached if the tornado's path included a portion of a major municipality.

Risk Priority Index Exercise Results

Andrea then presented the results of the Risk Priority Index Exercise that was conducted at the April 25, 2023 meeting. She provided the Committee with a brief recap on what the Risk Priority Index is and how it can help participants determine which hazards present the highest risk and therefore which ones to focus on when formulating mitigation projects and activities.

Based on the Committee's responses, in Tazewell County, tornadoes scored the highest, followed by thunderstorms with damaging winds, floods, and severe winter storms. For Woodford County, tornadoes also scored highest, followed by floods and then by thunderstorms with damaging winds. The hazards that scored the lowest in Tazewell County included earthquakes, terrorism, and dam failures; for Woodford, the lowest three were earthquakes, landslides, and mine subsidence.

Mitigation Project Submittal & Action Tables

Committee members were then asked to review the Mitigation Action Tables containing the descriptions of the mitigation projects and activities. Andrea and Callie Smith of AEC moved throughout the room to discuss questions with committee members. Andrea advised Committee members who wished to add additional projects to provide them to her as soon as possible, and no later than September 1st.

Andrea explained that the information in the draft Mitigation Action Tables handout was prepared by AEC using the lists of mitigation projects and activities provided by the participation jurisdictions. Participants were reminded that this is a list of projects and activities they would like to see accomplished if the money becomes available. Also, for a jurisdiction to be eligible for a project, it must be on its list.

Since these are mitigation plans, some projects were either removed or not included if they were not considered mitigation. Projects associated with emergency preparedness/response, recovery, and maintenance will not be included in the Plans.

Public Forum and Adoption

The final Committee meeting will be conducted as an open-house style public forum to present the draft Plans for review and comment. Paper copies of the draft Plans will be available for review at the meeting and posted online on the Planning Commission's website. Additionally, the Planning Commission will also have hard copies available for review at their office. There will be a two-week public comment period following the public forum.

Unless otherwise specified, Committee members will receive an electronic copy of the draft Plans to make available for public comment.

Once the comment period is over, any comments received will be incorporated into the Plans and submitted to IEMA/FEMA. Following IEMA and FEMA review, any edits requested will be made and then FEMA will issue Approval Pending Adoption letters. At this point an email will be sent to the participating jurisdictions, along with a copy of a model adoption resolution, asking them to formally adopt the Plans by resolution. A copy of the executed resolution should then be provided to AEC. Once all the adoption resolutions are received, Andrea will submit them to IEMA and FEMA. FEMA will then issue the Final Approval letters starting the clock for the five-year update.

Plan Maintenance and Update

Andrea described the Plan maintenance and update commitments detailed in a draft of the Plan Maintenance and Update section provided in the meeting handouts for review by the Committee. The Plans will be monitored and evaluated on an annual basis by a Plan Maintenance Subcommittee, which will be made up of the participating jurisdictions, the Regional Planning Commission, and key members of the Planning Committee. The Planning Commission will send out Plan Maintenance Checklists to each of the participating jurisdictions who will be responsible for providing information to the Subcommittee. This information will include: the status of their mitigation actions; any hazard-related damages to critical facilities and infrastructure; the adoption of any new plans, policies, or regulations; and any significant changes in development. The Subcommittee will also evaluate the Plans to determine their effectiveness at achieving their stated purpose and goals. Participants can also add new mitigation actions during the annual monitoring phase or by contacting the Planning Commission.

The Planning Commission will then prepare an annual progress report detailing the results of the annual monitoring and evaluation period and provide copies to the Subcommittee. Any modifications or additions to the mitigation project lists will require

an update of the Mitigation Strategy and a resubmittal of the Plans to IEMA and FEMA for reference.

At least once every five years, the Plans must be reviewed, revised, and resubmitted to IEMA/FEMA for the participating jurisdictions to remain eligible for mitigation project funds. At the five-year update, any jurisdiction that is not already part of these Plans and who wants to become part of the updated Plans may do so. New jurisdictions must supply the same information that all the current jurisdictions supplied.

What Happens Next?

Public Forum

The final Committee meeting will be conducted as an open-house style public forum where the draft Plans will be presented for review and comment.

The public forum will be held on:

Thursday, October 19, 2023

4 p.m. – 6 p.m.

East Peoria City Hall

401 West Washington Street, East Peoria

Public Comment

With no additional questions or comments, Andrea adjourned the meeting.

APPENDIX C

Tazewell and Woodford Counties Citizen Questionnaire

You can help protect lives and property from natural hazard events in the Tazewell and Woodford Counties area by taking a few moments to complete this questionnaire.

Asterisk (*) designates required questions for form completion.

*** 1. Please indicate where you live (please check only one).**

- | | |
|---|--|
| ☐ Armington | ☐ Marquette Heights |
| ☐ Bay View Gardens | ☐ Metamora |
| ☐ Benson | ☐ Minier |
| ☐ Congerville | ☐ Minonk |
| ☐ Creve Coeur | ☐ Morton |
| ☐ Deer Creek | ☐ North Pekin |
| ☐ Delevan | ☐ Panola |
| ☐ East Peoria | ☐ Pekin |
| ☐ El Paso | ☐ Peoria Heights |
| ☐ Eureka | ☐ Roanoke |
| ☐ Germantown Hills | ☐ Secor |
| ☐ Goodfield | ☐ Spring Bay |
| ☐ Green Valley | ☐ South Pekin |
| ☐ Heritage Lake | ☐ Tremont |
| ☐ Hopedale | ☐ Washburn |
| ☐ Kappa | ☐ Washington |
| ☐ Mackinaw | ☐ Unincorporated County |
| ☐ Other (please specify) | |

*** 2. Please place a checkmark next to each of the natural hazards listed below that you have experienced in your County (please check all that apply).**

- ☐ Severe Summer Storms (thunderstorms, hail, lightning strikes)
- ☐ Floods
- ☐ Severe Winter Storms (snow,sleet, ice)
- ☐ Excessive Heat
- ☐ Extreme Cold
- ☐ Tornadoes
- ☐ Drought
- ☐ Earthquakes
- ☐ Mine/Land Subsidence
- ☐ Landslides
- ☐ Dam Failures
- ☐ Other (please specify)

3. Which of the natural hazards above have you encountered most frequently?

4. Rank the natural hazards listed below in order from 1 to 11 based on which hazard you feel poses the greatest threat. (1 = greatest threat and 11 = least threat)

Each number should only be used once.

≡ Severe Summer Storms

≡ Floods

≡ Severe Winter Storms

 Excessive Heat	 
 Extreme Cold	 
 Tornadoes	 
 Drought	 
 Earthquakes	 
 Mine/Land Subsidence	 
 Landslides	 
 Dam Failures	 

*** 5. What types of mitigation projects or activities are most needed in your County?**

Please check the five you feel are most important

- | | |
|--|--|
| ☐ Public information fact sheets and brochures describing actions residents can take to protect themselves and their property against natural hazard impacts. | ☐ Tornado Safe Shelters |
| ☐ Floodplain Ordinances | ☐ Maintain roadway passage during snow storms and heavy rains |
| ☐ Building Codes and Enforcement | ☐ Provide sufficient water supply during drought |
| ☐ Sirens or other Alert Systems | ☐ Identify residents with special needs in order to provide assistance during a natural hazard event |
| ☐ Flood or Drainage Protection (i.e., culvert and drainage ditch maintenance, retention pond construction, dam or levee construction/maintenance and/or hydraulic studies to determine cause of drainage problems.) | ☐ Retrofit critical infrastructure (public water supplies, schools, sewage treatment facilities, bridges, hospitals and other important services) to reduce potential damages |
| ☐ Maintain power during storms by burying power lines, trimming trees and/or purchasing a back-up generator | |

☐ Other (please specify)

*** 6. What are the most effective ways for you to receive information about how to make your household and property safer from natural hazards (Please check all that apply.)**

☐ Newspaper

☐ Mailings

☐ Television

☐ Extension Service

☐ Radio

☐ Public Workshops/Meetings

☐ Internet

☐ Fire Department/Law Enforcement

☐ Social Media (Facebook, Twitter, etc.)

☐ Public Health Department

☐ Schools

☐ Municipal/County Offices

☐ Other (please specify)

Thank you for your time in assisting with the update of the Hazard Mitigation Plans for the counties.
Tazewell and Woodford Counties Multi-Jurisdictional, Multi-Hazard Mitigation Advisory Committee

Done

Powered by



See how easy it is to [create a survey](#).

[Privacy & Cookie Notice](#)

Tazewell & Woodford Counties H x +

https://tricityrpc.org/environment/hazard-mitigation/tazwood-hmp/

NHMPs CFS ESA Illinois Federal Maps Weather Newspapers ShareFile Login FEMAGO - Login Barracuda Networks All Bookmarks

TRI-COUNTY REGIONAL PLANNING COMMISSION

About Documents Meetings & Events RFPs & RFQs Our Work

- Location: East Peoria City Hall, 401 West Washington St, East Peoria, IL 61611
- Time: 1:30 PM
- [News Release](#)
- [Agenda](#)
- [Presentation](#)
- [Meeting Minutes](#)

April 25, 2023 – Risk Assessment Meeting

- Location: East Peoria City Hall, 401 West Washington St, East Peoria, IL 61611
- Time: 1:30 PM
- [News Release](#)
- [Agenda](#)
- [Meeting Minutes](#)

July 25, 2023 – Mitigation Strategy Meeting

- Location: East Peoria City Hall, 401 West Washington St, East Peoria, IL 61611

Citizen Questionnaire

As part of our public outreach and participation strategy, a citizen questionnaire has been developed to gauge public perception about the natural hazards that impact Tazewell and Woodford counties. We would appreciate it if you took a few minutes and completed the following citizen questionnaire. The information provided in the survey will help us as we begin the planning process.

<https://www.surveymonkey.com/r/Tri-County-CQ>



Explore

⚙ Settings

← Tweet



Tri-CountyRPC
@TriCountyRPC



If you live in Tazewell or Woodford County, we want to hear from you! 📄

Fill out our [#hazardmitigation](#) survey here:



surveymonkey.com

Tazewell and Woodford Counties Citizen Questionnaire

Take this survey powered by surveymonkey.com. Create your own surveys for free.

10:26 AM · Jan 24, 2023 · 4 Views



Search Facebook

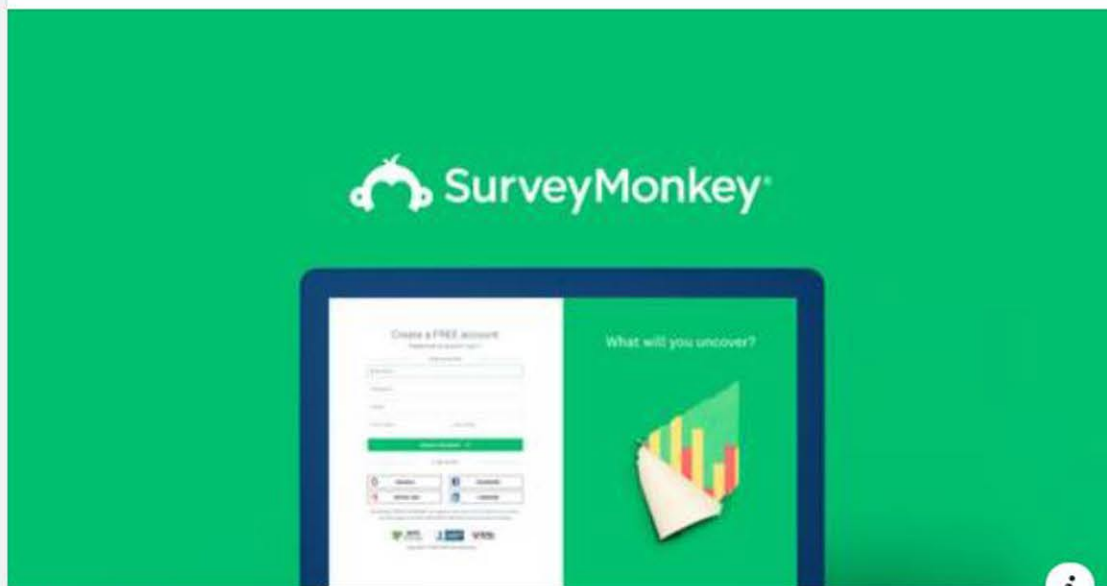


Tri-County Regional Planning Commission

January 24 at 10:25 AM · 🌐

If you live in Tazewell or Woodford County, we want to hear from you! 📦

Fill out our hazard mitigation survey here:



[SURVEYMONKEY.COM](https://www.surveymonkey.com)

Tazewell and Woodford Counties Citizen Questionnaire

Take this survey powered by [surveymonkey.com](https://www.surveymonkey.com). Create your own surveys for free.

APPENDIX D

Frequently Asked Questions

Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Plan Updates

1) What are the Tazewell & Woodford Counties Multi-Hazard Mitigation Plans?

The Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Plans evaluate damage to life and property from natural and man-made hazards that have impacted the two-county area and identify projects and activities to reduce these damages. The Plans are considered to be multi-jurisdictional because they include municipalities and other jurisdictions who want to participate along with the counties.

2) What is hazard mitigation?

Hazard mitigation is any action taken to reduce the long-term risk to people and property from natural and man-made hazards before an event occurs.

3) Why are these Plans being updated?

The Plans are being updated to fulfill federal planning requirements of the Stafford Act as amended by the Disaster Mitigation Act and the Disaster Recovery and Reform Act. While meeting federal requirements, these Plan updates also provide the following benefits:

- Funding for mitigation projects and activities **before** disasters occur.
- Funding for projects and activities **following** declared disasters.
- Increased awareness about natural hazards and closer cooperation among the various organizations and political jurisdictions involved in emergency planning and response.

4) Who is updating these Plans?

The Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee is updating the Plans with assistance from technical experts in emergency planning, environmental matters, and infrastructure. The Committee will include members from education, emergency services, municipal, and county government, health care, and law enforcement.

5) How can I participate?

You are invited to attend public meetings of the Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. In addition, you are encouraged to provide photographs, other documentation, and anecdotal information about damages you experienced from natural and man-made hazards in Tazewell and Kendall Counties. Surveys will be available at participating jurisdictions and through the Tri-County Regional Planning Commission to help gather specific information from residents. All of this information will be used to update the Plans. Drafts of the updated Plans will be presented at a public forum for further public input.

More information can be obtained by contacting:

Reema Abi-Akar, Planner III
Tri-County Regional Planning Commission
456 Fulton Street, Suite 401
Peoria, IL 61602
(309) 673-9330

APPENDIX E

Media Outlets Serving the County

Chillicothe Times-Bulletin

(weekly)

PO Box 9426

Peoria, IL 61612-9426

(309) 274-2185

www.chillicothebulletin.com

Community Word (monthly)

621 Commercial St., Suite 1A-B

Peoria, IL 61602

communityword@yahoo.com

www.thecommunityword.com

East Peoria Times-Courier

(weekly)

PO Box 430

Pekin, IL 61555

(309) 346-1111

www.eastpeoriaticourier.com

Pekin Daily Times

(daily)

306 Court St.

Pekin, IL 61554

(309) 346-1111

www.pekintimes.com

Peoria Journal Star (daily)

1 News Plaza

Peoria, IL 61643

(309) 686-3000

www.pjstar.com

The Traveler Weekly

(monthly)

(309) 673-2613

www.thetravelerweekly.com

WCBU 89.9 FM

1501 W. Bradley Ave.

Peoria, IL 61625

(309) 438-2255

www.wcbu.org

The Weekly Post (weekly)

(309) 741-9790

www.illinoisweeklies.com

WEEK TV

2907 Springfield Rd.

East Peoria, IL 61611

(309) 698-2525

www.25newsnow.com

WMBD/WYZZ TV

3131 N. University

Peoria, IL 61604

(309) 688-3131

www.centralillinoisproud.com

WTVP TV

101 State St.

Peoria, IL 61602

(309) 677-4747

www.wtvp.org

Woodford County Journal

(weekly)

1926 South Main St.

Eureka, IL 61530

(309) 467-3314

www.pantagraph.com/wcj

APPENDIX F



Tazewell & Woodford Counties Multi-Jurisdictional Hazard Mitigation Plan

2023 Update

Tri-County Regional Planning Commission (TCRPC) is beginning the process to update the Tri-County Multi-Jurisdictional Hazard Mitigation Plan (HMP) to better protect the people and property of the Tri-County Region from the effects of natural and man-made hazard events. TCRPC has contracted with American Environmental Corporation (AEC) and WSP Environment & Infrastructure (WSP) to facilitate the planning process and prepare the plan document. AEC will be responsible for coordination with Tazewell and Woodford Counties and their incorporated jurisdictions.

The Tazewell and Woodford Counties HMP will be prepared pursuant to the requirements of the Disaster Mitigation Act of 2000 (Public Law 106-390) and the implementing regulations set forth by the Interim Final Rule published in the Federal Register on February 26, 2002, (44 CFR §201.6) and finalized on October 31, 2007. These regulations establish the requirements that hazard mitigation plans must meet in order for Tazewell and Woodford Counties and their incorporated jurisdictions to be eligible for certain federal disaster assistance and hazard mitigation funding under the Robert T. Stafford Disaster Relief and Emergency Act (Public Law 93-288). Because Tazewell and Woodford Counties are subject to many kinds of hazards, access to these federal programs is vital.

Hazard Mitigation Advisory Committee Meetings

January 31, 2023 – Project Kick-off Meeting

- Location: East Peoria City Hall, 401 West Washington St, East Peoria, IL 61611
- Time: 1:30 PM
- News Release
- Agenda
- Presentation
- Meeting Minutes

April 25, 2023 – Risk Assessment Meeting

- Location: East Peoria City Hall, 401 West Washington St, East Peoria, IL 61611

Appendix F

- Time: 1:30 PM
- News Release
- Agenda
- Meeting Minutes

July 25, 2023 – Mitigation Strategy Meeting

- Location: East Peoria City Hall, 401 West Washington St, East Peoria, IL 61611
- Time: 1:30 PM
- News Release
- Agenda
- Meeting Minutes

Participating Jurisdictions

Fifteen jurisdictions throughout Tazewell and Woodford Counties are participating in the planning process:

- Village of Creve Coeur
- City of East Peoria
- City of El Paso
- City of Eureka
- Village of Germantown Hills
- City of Minonk
- Village of Morton
- City of Pekin
- Pekin Park District
- Village of Roanoke
- Tazewell County
- Tri-County Regional Planning Commission
- Village of Tremont
- City of Washington
- Woodford County

Citizen Questionnaire

As part of our public outreach and participation strategy, a citizen questionnaire has been developed to gauge public perception about the natural hazards that impact Tazewell and Woodford counties. We would appreciate it if you took a few minutes and completed the following citizen questionnaire. The information provided in the survey will help us as we begin the planning process.

<https://www.surveymonkey.com/r/Tri-County-CQ>

Tri-County Regional
Planning Commission

456 Fulton St
Suite 401
Peoria, IL 61602

Phone 309-673-9330
info@tricityrplc.org



FOR IMMEDIATE RELEASE

DATE CORRECTION (from Jan 17 to Jan 31)

Contact: Reema Abi-Akar

309-673-9330

Tri-County Area Prepares for Natural Disasters

Peoria, IL (January 4, 2023) — Tazewell and Woodford Counties will update their plan to reduce the damages caused by severe weather such as floods, snow and ice storms, thunderstorms, and tornados, among other events. The plan is called a Hazard Mitigation Plan, and the process to update it will be funded through a grant from the Federal Emergency Management Agency (FEMA).

“The plan describes the natural hazard events that have impacted the counties and identifies activities and projects to reduce the risk to residents, property, and infrastructure”, said Reema Abi-Akar, Tri-County Regional Planning Commission Planner. “By having an updated hazard mitigation plan, the counties and participating jurisdictions will remain eligible for federal funds to construct these projects.” she added.

The Tri-County Hazard Mitigation Planning Committee will hold its first meeting on Tuesday, **January 31, 2023**, at 1:30 P.M. The meeting will be held at the East Peoria Civic Complex, 401 W. Washington Street, East Peoria. The meeting is open to the public.

The Planning Committee includes representatives from the counties, municipalities, schools, and health care services, as well as technical partners and other stakeholders. Meetings of this committee will be conducted over the next year as working sessions so that any interested residents can attend and ask questions. The purpose of these working sessions is to gather and discuss information that will be used to update the plan.

“This mitigation plan is different from an emergency response plan because it focuses on ways to reduce and prevent damages before they occur,” added Abi-Akar.

XXXXXXXXXXXXXXXXXXXX



Tri-County Regional Planning Commission

Intro

The Tri-County Regional Planning Commission provides planning services to Peoria, Tazewell, and Wood

Page · Government organization

(309) 673-9330

info@tricountyrpc.org

tricountyrpc.org

Open now ▾

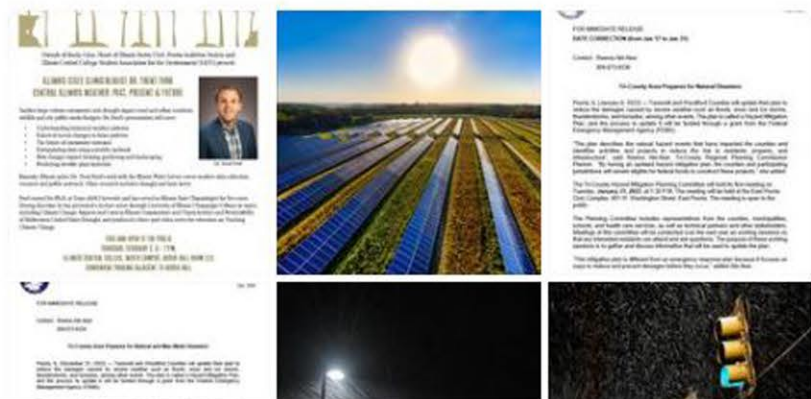
Not yet rated (1 Review) ⓘ

Add diversity info

Suggest Edits

Photos

[See all photos](#)



Tri-County Regional Planning Commission

January 6 at 9:23 AM · 🌐

NOTE -- DATE CHANGE:

The Tazewell & Woodford Counties hazard mitigation meeting has been moved from January 17 to January 31.

Image description: Press release that reads as follows:

FOR IMMEDIATE RELEASE

DATE CORRECTION (from Jan 17 to Jan 31)

Contact: Reema Abi-Akar
309-673-9330

Tri-County Area Prepares for Natural Disasters

Peoria, IL (January 6, 2023) — Tazewell and Woodford Counties will update their plan to reduce the damages caused by severe weather such as floods, snow and ice storms, thunderstorms, and tornados, among other events. The plan is called a Hazard Mitigation Plan, and the process to update it will be funded through a grant from the Federal Emergency Management Agency (FEMA).

"The plan describes the natural hazard events that have impacted the counties and identifies activities and projects to reduce the risk to residents, property, and infrastructure", said Reema Abi-Akar, Tri-County Regional Planning Commission Planner. "By having an updated hazard mitigation plan, the counties and participating jurisdictions will remain eligible for federal funds to construct these projects," she added.

The Tri-County Hazard Mitigation Planning Committee will hold its first meeting on Tuesday, January 31, 2023, at 1:30 P.M. The meeting will be held at the East Peoria Civic Complex, 401 W. Washington Street, East Peoria. The meeting is open to the public.

The Planning Committee includes representatives from the counties, municipalities, schools, and health care services, as well as technical partners and other stakeholders. Meetings of this committee will be conducted over the next year as working sessions so that any interested residents can attend and ask questions. The purpose of these working sessions is to gather and discuss information that will be used to update the plan.

"This mitigation plan is different from an emergency response plan because it focuses on ways to reduce and prevent damages before they occur," added Abi-Akar.

LOCAL NEWS

Tri-County Area updating federal hazard mitigation plans

by: Shahnam Danesh
Posted: Jan 31, 2023 / 06:36 PM CST
Updated: Jan 31, 2023 / 08:45 PM CST



SHARE    ...

EAST PEORIA, ILL. (WMBD) — Stakeholders from Woodford County and Tazewell County convened at East Peoria Civic Hall on Tuesday for the first of four meetings to update their multi-hazard mitigation plan in order to be eligible for federal mitigation funds.

The mitigation plan assesses vulnerabilities and identifies projects and activities to minimize the impact of environmental hazards, such as tornadoes and hurricanes, and manmade hazards, such as hazmat situations, to people and property before an event occurs.

Ken Runkle, risk assessor with American Environmental Consulting, a consulting firm that works with counties to help develop hazard mitigation plans, is working with Tazewell County and Woodford County to determine the best plan tailored to each community.

Local policymakers meet about Rental Housing Support Program >

"[We're] hoping to be able to get lots of information that helps us tell their story through the document, and give them a robust list of projects they would be eligible for funding," said Runkle.

Mitigation is a sustained action that reduces long-term risk to people and property. Runkle said mitigation can be broken down into activities, such as developing a flood plan ordinance, and projects, such as building a community safe room for tornadoes.

"What are their critical facilities, what do they think they are vulnerable of...What are things that's happened in the last 5-10 years that have been hazards specific to this area?" said Runkle.

Runkle will present a risk assessment report at the second meeting. At the third meeting, the group will review lists of proposed projects. The fourth meeting will be a two-hour public forum, where the public is encouraged to see the plans and express their thoughts.

"Word of mouth and things people remember help us make sure we don't miss something," said Runkle.

Peoria County, which Runkle said has more flooding issues, is working with environmental consulting firm WSP, which he said is better equipped to advise on flooding.

Copyright 2023 Nexstar Media Inc. All rights reserved. This material may not be published, broadcast, rewritten, or redistributed.

BESTREVIEWS



Best romantic Valentine's gifts for a wife

BESTREVIEWS / 8 Hours Ago
Valentine's Day is all about showing your spouse you appreciate them, but it can be challenging to come up with a good gift idea, despite the many options.



Best creative Valentine's Day gift

REVIEWS / 8 Hours Ago
The best creative Valentine's Day gifts are unique ways to show you care.



Best Valentine's Day present for your significant ...

REVIEWS / 8 Hours Ago
Valentine's Day is the perfect opportunity to show your sweetheart how much you care, and with a little thought, you can find the perfect gift.



Best vitamin C packet

VITAMINS / 7 Hours Ago
To choose a vitamin C supplement, look for great-tasting products that contain extra vitamins and minerals.



Best conditioner for frizzy hair

WHAT DO YOU THINK?

Would you say you are personally satisfied or unsatisfied with Vice President Kamala Harris's performance in office thus far?

- ☐ Totally satisfied
- ☐ Somewhat satisfied
- ☐ Somewhat unsatisfied
- ☐ Totally unsatisfied
- ☐ Other / No opinion

* By clicking "NEXT" you agree to the following: We use cookies to collect your survey answers. If you would like to continue with this survey, please read and agree to the [CivicScience Privacy Policy](#) and [Terms of Service](#)

NEXT >

LATEST LOCAL NEWS



Gertie the Groundhog sees shadow, predicts six more ...

Local News • 25 mins ago

Peoria County WIC office closed for service Friday

Local News • 29 mins ago

Honor That Special Someone with a Cockroach

Local News • 35 mins ago

View All Local News

Latest Video

GROUNDHOG DAY



GROUNDHOG DAY 1 hour ago
Valentine's Day Cockroach... 2 hour

More Videos

FOR IMMEDIATE RELEASE

Contact: Reema Abi-Akar

309-673-9330

Reducing Damages Caused by Severe Weather and Other Hazards

Peoria, IL (April 13, 2023) — The frequency of and damages caused by severe storms and other natural and man-made hazards in Tazewell and Woodford counties will be discussed when the Tazewell and Woodford Counties Mitigation Advisory Committee meets on Tuesday, **April 25, 2023**, at 1:30 P.M. The meeting will be held at the East Peoria Civic Complex, 401 W. Washington Street, East Peoria. The meeting is open to the public.

This Committee, comprised of county, municipal, educational, and park district representatives, as well as technical partners and other stakeholders, will meet over the next several months to update the Tazewell and Woodford Hazards Mitigation Plans.

“The goal of this committee meeting is to identify how often severe weather events occur within the counties and what kinds of damages have resulted. Based on this information, we will compile lists of activities and projects to reduce damages caused by these events,” said Reema Abi-Akar, Senior Planner for the Tri-County Regional Planning Commission.

Plan participants to date include the counties, Creve Coeur, East Peoria, El Paso, Eureka, Germantown Hills, Minonk, Morton, and Washington, as well as the American Red Cross, East Peoria Community High School District 309, and Pekin Park District. Jurisdictions that have yet to participate in a committee meeting are encouraged to attend. Interested persons can provide input at these meetings or submit their comments and questions to their appropriate representatives.

“These plans will be important resources for determining how to prepare for storms and other natural and man-made hazards. After the plans are updated, comprehensive information will be available in one document for each county to help guide those who are making decisions about how to better protect the residents of Tazewell and Woodford counties,” Abi-Akar added.

XXXXXXXXXXXXXXXXXXXXX



Search Facebook



Tri-County Regional Planning Commission



April 13 at 2:20 PM · 🌐

We are hosting a meeting for the Tazewell & Woodford County Hazard Mitigation Planning process on Tuesday, April 25 at 1:30pm at the East Peoria Civic Complex, 401 W. Washington Street, East Peoria.

The meeting is open to the public, so come and learn about how we plan for hazards in our community!



2

Like

Comment

Share



Write a comment...





Tweet



Tri-CountyRPC
@TriCountyRPC



We're hosting a Tazewell & Woodford County Hazard Mitigation Planning meeting on Tuesday, April 25 at 1:30pm at the East Peoria Civic Complex, 401 W Washington St, East Peoria.

The meeting is open to the public, so come and learn about how we plan for hazards in our community!



2:22 PM · Apr 13, 2023 · 3 Views

View Tweet analytics



Tweet your reply

Reply

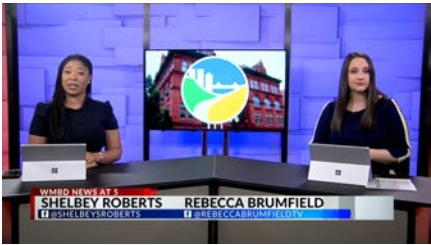


AD

41°

SIGN UP

WATCH NOW



LOCAL NEWS

Tazewell and Woodford Counties meet to go over Hazard Mitigation

by: [Benjamin Fries](#)
Posted: Apr 25, 2023 / 06:02 PM CDT
Updated: Apr 25, 2023 / 09:15 PM CDT

SHARE    

EAST PEORIA, Ill. (WMBD) — Officials from Tazewell and Woodford counties joined forces for the second meeting of four that are being offered by the Hazard Mitigation Advisory Committee.

This meeting focused mainly on risk assessment and how municipalities can lessen the damages that severe storms can cause. The goal of the meetings is to educate people about natural hazards such as thunderstorms and floods and how communities can protect themselves in a better way. Committee member Ken Runkle said that developing an action plan is the goal of these meetings.

[Museum on wheels : Buseum exhibit travels to the Mclean County Museum of History](#) >

"A hazard mitigation plan finds ways that communities and entities, municipalities and participating jurisdictions in the two county area can develop projects to help mitigate hazards within the community," Runkle said.

Runkle also discussed the research that was needed for putting together the plans.

"To be able to mitigate those hazards, we need to know what those hazards are, and so this meeting is about where we have gone back and looked at historically, we've looked at storms and once we're able to identify what the different hazards are, the communities can then look at ways to mitigate those hazards," Runkle said.

The first committee meeting went over the orientation and the beginnings of discussing mitigation projects. The next meeting will discuss the approval of final plans and will be held in a few months.

Copyright 2023 Nexstar Media Inc. All rights reserved. This material may not be published, broadcast, rewritten, or redistributed.

BEST  VIEWS

FOR IMMEDIATE RELEASE

Contact: Reema Abi-Akar

309-673-9330

Protecting Public Health and Property in Tazewell & Woodford Counties

East Peoria, IL (July 10, 2023) — Projects and activities that can protect residents and vital services in Tazewell and Woodford Counties will be the main topic of discussion when the Tazewell and Woodford Counties Mitigation Advisory Committee meets on Tuesday, **July 25, 2023**, at 1:30 P.M. The meeting will be held at the East Peoria Civic Complex, 401 W. Washington Street, East Peoria. The meeting is open to the public.

This Committee, comprised of county, municipal, educational, park district, fire protection district, and levee district representatives, as well as technical partners and other stakeholders, began work in January 2023 to update the Hazard Mitigation Plan for each county. The plans, which will ultimately be sent to the Federal Emergency Management Agency (FEMA) for approval, detail past severe weather events that have previously impacted the counties. The documents also identify mitigation projects and activities that can be taken before a severe weather event occurs to protect residents, critical services, and infrastructure.

“There has been more than \$1 billion in verified property damages caused by severe weather events in the two-county area. Obtaining FEMA’s approval of our updated plans will make all the participants eligible to receive federal grant money for mitigation projects and activities,” explained Reema Abi-Akar, Tri-County Regional Planning Commission Senior Planner.

Projects identified by Advisory Committee members at this meeting will become part of each county’s Hazard Mitigation Plan. While portions of the plans have been presented at each meeting, both plans will be presented for public review and comment before they are submitted to the state and federal government for approval.

“We will conduct a public forum this fall for interested persons to review the updated plans and ask questions of Advisory Committee members. We will then have a two-week public comment period following the public forum to accommodate interested persons who are unable to attend. We want to make sure that anybody who is interested has an opportunity to review and comment on the updated plans,” added Abi-Akar.

XXXXXXXXXXXXXXXXXXXX



Search Facebook



Tri-County Regional Planning Commission

709 followers • 339 following

Sign Up

Following

Message

Posts

About

Mentions

Reviews

Followers

Photos

More



Intro

The Tri-County Regional Planning Commission provides planning services to Peoria, Tazewell, and Wood

Page • Government organization

(309) 673-9330

info@tricountyrpc.org

tricountyrpc.org

Open now

Not yet rated (1 Review)

Posts

Filters



Tri-County Regional Planning Commission

July 10 at 9:03 AM

Join us on Tuesday, July 25th for our Tazewell & Woodford counties Hazard Mitigation Plan meeting!

It will take place at 1:30pm at the East Peoria Civic Complex at 401 W. Washington Street. The meeting is open to the public.



Photos

See all photos



Twitter

Search Twitter

Home

Explore

Notifications

Messages

Lists

Bookmarks

Communities

Verified

Profile

More

Tweet

←

Tweet

...



Tri-CountyRPC

@TriCountyRPC

Join us on Tuesday, July 25th for our Tazewell & Woodford counties Hazard Mitigation Plan meeting! 🍷🌨️❄️

It will take place at 1:30pm at the East Peoria Civic Complex at 401 W. Washington Street. The meeting is open to the public.



10:18 AM · Jul 21, 2023

View Tweet analytics

💬

↻

❤️

🔖

↗️



Tweet your reply!

Reply

Tri-CountyRPC

@TriCountyRPC

...

Relevant people



Tri-CountyRPC

@TriCountyRPC

Providing transportation
environmental planning
the residents of Peoria
Woodford Counties

What's happening

#TheMarvels

Watch the New Trailer!

Promoted by Marvel Studios

Trending

Guilty

105K Tweets

Music · Trending

Tony Bennett

Trending with [Lady Gaga](#), [RIP Le](#)

Politics · Trending

Judge Cannon

19.9K Tweets

Music · Trending

Aldean

210K Tweets

Show more

Terms of Service

Privacy Policy

Accessibility

Ads info

More ..



Tri-CountyRPC

@TriCountyRPC

...

Messages

✉️

⬆️

https://twitter.com/TriCountyRPC/status/1682409694889902085

Appendix F

Page 641 of 912

FOR IMMEDIATE RELEASE

Contact: Reema Abi-Akar

309-673-9330

Plans to Protect Public Health and Property in Tazewell & Woodford Counties Ready for Public Review

Peoria, IL (October 5, 2023) — The updated Tazewell County and Woodford County Multi-Jurisdictional All Hazards Mitigation Plans outlining projects and activities to reduce damages caused by severe weather and other natural hazards will be available for public review and comment starting October 19, 2023. The plans, along with a summary sheet and a comment survey, will be available for review at the Tri-County Regional Planning Commission's office and on its Hazard Mitigation website.

The comment period will remain open through November 2, 2023. Public comments received will be used to make any revisions needed before the plans are submitted to the Illinois and Federal Emergency Management Agencies.

The Tazewell and Woodford Counties All Hazards Mitigation Planning Committee has been conducting working meetings open to the public since January 2023. The Committee prepared these Plans with technical assistance from state and federal agencies as well as a consultant specializing in emergency management planning.

The municipalities of Creve Coeur, East Peoria, Morton, Pekin, Tremont, and Washington in Tazewell County, and El Paso, Eureka, Germantown Hills, Minonk, and Roanoke in Woodford County have participated in the planning process. Other participating jurisdictions include the East Peoria Community High School District 309, Pekin Park District, East Peoria Drainage & Levee District, and the Tri-County Regional Planning Commission.

"These plans describe how the counties and the participating jurisdictions have been impacted by severe weather and other hazards and identify specific mitigation actions that can be taken to reduce damages to people and property before events occur," explained Reema Abi-Akar, Senior Planner at the Tri-County Regional Planning Commission.

An open-house-style public forum will be held at the East Peoria Civic Complex, 401 W. Washington Street, East Peoria from 4:00 p.m. to 6:00 p.m. on Thursday, **October 19, 2023**. Individuals can come and review the plans at any time during the forum. Those unable to attend can still review the plans and provide comments without participating in the public forum.

XXXXXXXXXXXXXXXXXXXX



Search Facebook



Tri-County Regional Planning Commission

October 5 at 12:15 PM · 🌐

...

We're hosting one more event for our Tazewell and Woodford counties Hazard Mitigation Plans! Everyone is welcome on Thursday, October 19 between 4-6pm at the East Peoria Civic Complex at 401 W. Washington Street in EP. 📍 🗓️
Please see the news release below:

FOR IMMEDIATE RELEASE

Contact: Reema Abi-Akar, 309-673-9330

Plans to Protect Public Health and Property in Tazewell & Woodford Counties Ready for Public Review

Peoria, IL (October 5, 2023) — The updated Tazewell County and Woodford County Multi-Jurisdictional All Hazards Mitigation Plans outlining projects and activities to reduce damages caused by severe weather and other natural hazards will be available for public review and comment starting October 19, 2023. The plans, along with a summary sheet and a comment survey, will be available for review at the Tri-County Regional Planning Commission's office and on its Hazard Mitigation website.

The comment period will remain open through November 2, 2023. Public comments received will be used to make any revisions needed before the plans are submitted to the Illinois and Federal Emergency Management Agencies.

The Tazewell and Woodford Counties All Hazards Mitigation Planning Committee has been conducting working meetings open to the public since January 2023. The Committee prepared these Plans with technical assistance from state and federal agencies as well as a consultant specializing in emergency management planning.

The municipalities of Creve Coeur, East Peoria, Morton, Pekin, Tremont, and Washington in Tazewell County, and El Paso, Eureka, Germantown Hills, Minonk, and Roanoke in Woodford County have participated in the planning process. Other participating jurisdictions include the East Peoria Community High School District 309, Pekin Park District, East Peoria Drainage & Levee District, and the Tri-County Regional Planning Commission.

"These plans describe how the counties and the participating jurisdictions have been impacted by severe weather and other hazards and identify specific mitigation actions that can be taken to reduce damages to people and property before events occur," explained Reema Abi-Akar, Senior Planner at the Tri-County Regional Planning Commission.

An open-house-style public forum will be held at the East Peoria Civic Complex, 401 W. Washington Street, East Peoria from 4:00 p.m. to 6:00 p.m. on Thursday, October 19, 2023. Individuals can come and review the plans at any time during the forum. Those unable to attend can still review the plans and provide comments without participating in the public forum.





Settings



Post



Tri-CountyRPC
@TriCountyRPC

...

We're hosting one more event for our Tazewell and Woodford counties Hazard Mitigation Plans!

Everyone is welcome on Thursday, October 19 between 4-6pm at the East Peoria Civic Complex at 401 W. Washington Street in EP. 🌨️❄️



12:19 PM · Oct 5, 2023 · 15 Views





October 2023

Web view



Monthly Newsletter

Reema Abi-Akar Chosen for Statewide Emerging Planner Award

TCRPC would like to take a moment to highlight an achievement of our very own Reema Abi-Akar. At the APA-IL 2023 conference, Reema was awarded this year's Emerging Planner Award. The purpose of this award is to recognize a young planner whose performance shows that they are on their way to becoming a force in the planning profession. We are glad that the Illinois Chapter of American Planning Association is recognizing Reema for the rising star that she is!



Left to right: Gabriel Guevara, Gavin Hunt, Ray Lees, Nina Idemudia (APA IL President), Reema Abi-Akar, Phil Green (APA IL Membership Committee Chair), and Michael Bruner

We at Tri-County truly understand how deserving she is of this award. Our office benefits greatly from all the little things that make Reema great: her willingness to participate in new projects, keen eye for detail, and ability to ensure effectiveness and efficiency. TCRPC is grateful and appreciates her!

[Subscribe](#)[Past Issues](#)[Translate ▼](#)

Andrea Bostwick-Campbell, left, presents at the July 25 hazard mitigation plan meeting for Tazewell and Woodford counties

Catch Tazewell and Woodford's final hazard mitigation public forum on October 19th

Tri-County has been working with American Environmental Corporation for this ongoing planning process

Staff Contact: [Reema Abi-Akar](#)

Beginning in late 2022, Tri-County began working with our consultant, American Environmental Corporation to help update the region's [hazard mitigation plan](#). The last iteration involved 16 participating jurisdictions across the three counties of Peoria, Tazewell, and Woodford. With this five-year update, TCRPC collaborated with Peoria County to add them to the plan, along with six other new jurisdictions dispersed across the area.

The last iteration of the hazard mitigation plan was one large region-wide document. This time, with the addition of new jurisdictions, it will be split up into three documents, though Tri-County staff still oversee the consolidated planning process. Since [Peoria County's plan](#) had an earlier adoption deadline, their process is now coming to a close, and jurisdictions are reviewing and adopting it this month and next.

As for Tazewell and Woodford, one more public forum is scheduled for Thursday, October 19th from 4:00-6:00 pm at the East Peoria City Building at 401 W. Washington Street, East Peoria, IL 61611. Anyone from the public is invited to join, and attendees will learn about the final stages of the hazard mitigation process, be able to make comments as the plans come to a close, and understand the next steps for how participating jurisdictions can utilize the plan when applying for future mitigation grants. We hope you are able to attend!

Appendix F

APPENDIX G

**TAZEWELL COUNTY
MULTI-JURISDICTIONAL
MULTI-HAZARD MITIGATION PLAN**

**WOODFORD COUNTY
MULTI-JURISDICTIONAL
MULTI-HAZARD MITIGATION PLAN**

PUBLIC FORUM SUMMARY HANDOUT

OCTOBER 19, 2023

4:00 P.M. – 6:00 P.M.

Each year natural hazards (i.e., severe thunderstorms, tornadoes, severe winter storms, flooding, etc.) cause damage to property and threaten the lives and health of Tazewell County and Woodford County residents. Since 1973, Tazewell County has been a part of 11 federally-declared disasters and experienced at least \$1.0 billion in recorded property damages and at least \$45.1 million in crop damages within the County. Since 1974, Woodford County has been a part of 11 federally-declared disasters and experienced at least \$84.9 million in recorded property damages and at least \$31.7 million in crop damages within the County.

Tazewell County

In the last 10 years alone (2013 – 2022), there have been 87 thunderstorms with damaging winds, 42 excessive heat events, 34 severe storms with hail one inch in diameter or greater, 28 extreme cold events, 25 riverine flood events, 22 flash flood events, 22 severe winter storms, 12 tornadoes, 3 landslides, and one drought verified in the County.

Woodford County

There have been 54 thunderstorms with damaging winds, 42 excessive heat events, 28 extreme cold event, 27 riverine flood events, 24 severe winter storms, 19 flash flood events, 15 severe storms with hail one inch in diameter or greater, 8 tornadoes, and one drought verified in the County in the last 10 years alone (2013 – 2022).

While natural hazards cannot be avoided, their impacts can be reduced through effective hazard mitigation planning.

What is hazard mitigation planning?

Hazard mitigation planning is the process of determining how to reduce or eliminate property damage and loss of life from natural and man-made hazards. This process helps a county, and its participating jurisdictions, reduce their risk by identifying vulnerabilities and developing mitigation actions to lessen and sometimes even eliminate the effects of a hazard. The results of this process are documented in a multi-hazard mitigation plan.

Why prepare updated multi-hazard mitigation plans?

By preparing and adopting updated multi-hazard mitigation plans, the counties and participating jurisdictions become or remain eligible to apply for and receive federal hazard mitigation funds to implement mitigation actions identified in the plans. These funds, made available through the Disaster Mitigation Act of 2000, can help provide local government entities with the opportunity to complete mitigation projects that would not otherwise be financially possible.

**TAZEWELL COUNTY
MULTI-JURISDICTIONAL
MULTI-HAZARD MITIGATION PLAN**

**WOODFORD COUNTY
MULTI-JURISDICTIONAL
MULTI-HAZARD MITIGATION PLAN**

Who participated in the update of the Tazewell County and Woodford County Multi-Jurisdictional Multi-Hazard Mitigation Plans?

- | | | |
|---|---|--------------------------------|
| ❖ Creve Coeur, Village of | ❖ Pekin, City of | ❖ El Paso, City of |
| ❖ East Peoria, City of | ❖ Pekin Park District | ❖ Eureka, City of |
| ❖ East Peoria Community High School District #309 | ❖ Tremont, Village of | ❖ Germantown Hills, Village of |
| ❖ East Peoria Drainage & Levee District | ❖ Tri-County Regional Planning Commission | ❖ Minonk, City of |
| ❖ Morton, Village of | ❖ Washington, City of | ❖ Roanoke, Village of |

How were the updated Plans developed?

The two Plans were developed through the Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Advisory Committee. The Committee included representatives from each participating jurisdiction, as well as agriculture, education, emergency services, planning, social services, and utilities. The Planning Committee met four times between January 2023 and October 2023.

Which hazards are included in the updated Plans?

After reviewing the risk assessment, the Planning Committee chose to include the following hazards in the Plans:

Natural Hazards

- | | |
|--|---|
| ❖ severe storms (thunderstorms, hail, lightning) | ❖ drought |
| ❖ floods (riverine & flash) | ❖ landslides |
| ❖ severe winter storms (snow & ice) | ❖ earthquakes |
| ❖ excessive heat | ❖ mine subsidence |
| ❖ extreme cold | ❖ levee failures (Tazewell County Only) |
| ❖ tornadoes | ❖ dam failures |

Man-Made hazards

- ❖ hazardous substances (generation, transportation, and storage/handling)
- ❖ waste disposal
- ❖ hazardous material incidents
- ❖ waste remediation
- ❖ nuclear incidents
- ❖ terrorism

What is included in the updated Plans?

The updated Plans are divided into sections that cover the planning process; the risk assessment; the mitigation strategy, including the jurisdiction-specific mitigation action lists; and plan maintenance and adoption. The majority of the Plans are devoted to the risk assessment and mitigation strategy.

The risk assessment identifies the natural hazards that pose a threat to the counties and includes a profile of each natural hazard, which describes the location and severity of past occurrences, reported damages to public health and property, and the likelihood of future occurrences. It also provides a vulnerability analysis that estimates the potential impacts each natural hazard would have on the health and safety of the residents of each county, as well as the buildings, critical facilities, and infrastructure in each county.

**TAZEWELL COUNTY
MULTI-JURISDICTIONAL
MULTI-HAZARD MITIGATION PLAN**

**WOODFORD COUNTY
MULTI-JURISDICTIONAL
MULTI-HAZARD MITIGATION PLAN**

The key component of the mitigation strategy is a list of the projects and activities developed by each participating jurisdiction to reduce the potential loss of life and property damage that results from the natural hazards identified in the risk assessment. These projects and activities are intended to be implement *before* a hazard event occurs.

What happens next?

Any comments received at today's public forum and during the public comment period will be reviewed and, where applicable, incorporated into the draft Plans before they are submitted to the Illinois Emergency Management Agency and Office of Homeland Security (IEMA-OHS) and the Federal Emergency Management Agency (FEMA) for review. Once IEMA-OHS and FEMA have reviewed and approved the Plans, each Plan will be presented to appropriate County and participating jurisdictions for formal adoption. After adopting their Plan, each participating jurisdiction will be eligible to apply for federal mitigation funds and can begin implementing the mitigation actions identified in their Plan.

APPENDIX H

TAZEWELL & WOODFORD COUNTIES MULTI-JURISDICTIONAL MULTI-HAZARD MITIGATION PLANS

COMMENT SHEET

**PLAN COMMENT PERIOD
OCTOBER 19, 2023 THRU NOVEMBER 2, 2023**

The Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Plans evaluate damage to life and property from the natural and man-made hazards that occur in each County. These Plans also identify projects and activities for each County and the participating jurisdictions that will help reduce these damages. This comment sheet should be used to provide feedback on the updates to these draft Plans.

Please check which Plan the comments provided below apply to:

☐ Tazewell County ☐ Woodford County

**What comments, concerns or questions do you have regarding the draft Plan update?
(Use additional sheets if necessary.)**

Please Print Your Name, Address, and Phone Number Below:

Name: _____ Phone: _____
Address: _____
_____ Zip Code: _____

Comments will be accepted through November 2, 2023.

Reema Abi-Akar, Senior Planner
Tri-County Regional Planning Commission
456 Fulton St., Suite 401
Peoria, IL 61602

Place
Stamp
Here

Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Plans Update Comment Survey

The Tazewell & Woodford Counties Multi-Jurisdictional Multi-Hazard Mitigation Plans evaluate damage to life and property from the natural and man-made hazards that occur in each County. These Plans also identify projects and activities for each County and the participating jurisdictions that will help reduce these damages. This comment sheet should be used to provide feedback on the updates to these draft Plans.

An asterisk (*) denotes a question that is required for form completion.

* 1. Please check which Plan the comments provided below apply to:

☐ Tazewell County

☐ Woodford County

* 2. What comments, concerns or questions do you have regarding the draft Plan?

* 3. Name:

4. Address:

5. City/Village/Town:

6. State/Province:

7. Zip Code:

* 8. Email Address:

9. Phone Number:

Comments will be accepted through November 2, 2023.

Done

Powered by
 SurveyMonkey
See how easy it is to [create a survey](#).

[Privacy & Cookie Notice](#)

APPENDIX I



TRI-COUNTY REGIONAL PLANNING COMMISSION

EST. 1958

To: Fulton County ESDA: Chris Helle (esda@fultonco.org)
LaSalle County EMA: Fred Moore (LaSalleCoEMA@lasallecountyil.gov)
Livingston County ESDA: Jesse King (jking@livingstoncountyil.gov)
Logan County EMA: Kendall Caruthers (loganema@lincolnil.us)
Marshall County EMA: Rich Koch (mcema1@yahoo.com)
Mason County EMA: Richard Crum (911@masoncountyil.gov)
McLean County EMA: Cathy Beck (Cathy.Beck@mcleancountyil.gov)
Peoria County EMA: Jason Marks (jmarks@peoriacounty.org)

From: Reema Abi-Akar, Tri-County Regional Planning Commission Senior Planner

Subject: Hazard Mitigation Plans Update

Date: October 5, 2023

The purpose of this memorandum is to inform you that Tazewell County and Woodford County are updating their countywide All Hazards Mitigation Plans. Since we share common boundaries, you are invited to review our draft plans and provide comments during the public comment period, which runs from October 19 through November 2, 2023. Starting October 19, the plans, along with a summary sheet and a comment survey, can be viewed on the Tri-County Regional Planning Commission's Hazard Mitigation webpage.

A public forum is scheduled for:

Thursday, October 19, 2023

4:00 p.m. to 6:00 p.m.

East Peoria Civic Complex

401 W. Washington Street, East Peoria

If you have any questions, please contact me at 309-673-9330 or rabiakar@tricityrpc.org

American Environmental Corp., an emergency management and environmental consulting firm experienced in preparing these plans, is leading our planning process. If you have specific questions about the Plans, please contact Ken Runkle, a consultant team member, at 217-585-9517 Ext. 8 or krunkle@aecspfld.com.

Appendix I

456 FULTON STREET #401 ▪ PEORIA, IL 61602 ▪ TEL 309-673-9330 ▪ TRICOUNTYRPC.ORG

AN EQUAL OPPORTUNITY EMPLOYER ▪ PRINTED ON RECYCLED PAPER

Runkle, Ken

From: Reema Abi-Akar <rabiakar@tricountyrpc.org>
Sent: Thursday, October 05, 2023 2:45 PM
To: esda@fultonco.org; LaSalleCoEMA@lasallecountyil.gov; jking@livingstoncountyil.gov; loganema@lincoln.il.us; Rich Koch; 911@masoncountyil.gov; Cathy.Beck@mcleancountyil.gov; Jason Marks
Cc: Runkle, Ken; Bostwick, Andrea; Michael Bruner
Subject: Tazewell & Woodford Hazard Mitigation Plans Update
Attachments: Adjacent Counties Memo - Tazewell & Woodford.docx

Hello,

I'm reaching out to let you know that Tazewell and Woodford Counties' hazard mitigation plans are currently being updated, and we will host a public forum on Thursday, October 19 from 4-6pm at the East Peoria Civic Complex at 401 W. Washington Street, East Peoria.

Since your county borders either Tazewell or Woodford, we are making you aware of this process. Please see the attached memo for more information.

Thank you,

--

Reema Abi-Akar, Senior Planner
Human Service Transportation Plan (HSTP) Region 5 Coordinator
[Pronouns:](#) She, her, hers
rabiakar@tricountyrpc.org
Office: 309-673-9330
Direct: 309-673-9796 Ext. 231

Tri-County Regional Planning Commission
<https://www.tricountyrpc.org/>
456 Fulton St., Suite 401
Peoria, IL 61602

APPENDIX J

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/16/1960	3:00 PM	Tremont^	n/a	n/a	n/a	n/a	n/a	
07/21/1961	4:40 PM	Pekin	n/a	n/a	n/a	n/a	n/a	
08/07/1968	1:30 PM	East Peoria Washington	n/a	n/a	n/a	n/a	n/a	winds downed tree limbs and caused minor building damage
05/29/1969	4:10 PM	Hopedale^	n/a	n/a	n/a	n/a	n/a	
10/10/1969	8:00 PM	Pekin	n/a	n/a	n/a	n/a	n/a	
05/01/1973	10:15 PM	South Pekin^	n/a	n/a	n/a	n/a	n/a	
05/01/1973	11:15 PM	Pekin	52 kts	n/a	n/a	\$25,000	n/a	
06/26/1973	9:00 AM	Spring Lake^	n/a	n/a	n/a	n/a	n/a	winds uprooted trees and caused damage to a few homes
06/19/1974	6:20 PM	Dillon^	n/a	n/a	n/a	n/a	n/a	
06/21/1974	7:25 PM	Delavan	n/a	n/a	n/a	n/a	n/a	
04/29/1975	5:24 PM	Delavan	60 kts	n/a	n/a	n/a	n/a	
05/19/1975	4:40 PM	Delavan	52 kts	n/a	n/a	n/a	n/a	
03/26/1976	8:55 PM	Pekin	n/a	n/a	n/a	n/a	n/a	
03/26/1976	9:00 PM	Creve Coeur	n/a	n/a	n/a	n/a	n/a	
03/26/1976	9:10 PM	Groveland Morton Tremont	n/a	n/a	n/a	n/a	n/a	
05/04/1977	5:30 PM	Delavan Hopedale Tremont	n/a	n/a	n/a	n/a	n/a	
06/05/1977	3:20 PM	Pekin	50 kts	n/a	n/a	n/a	n/a	
08/13/1980	5:35 PM	Morton	54 kts	n/a	n/a	n/a	n/a	
09/01/1980	3:00 AM	Tremont	n/a	n/a	n/a	n/a	n/a	2 steel grain bins were destroyed
09/16/1980	5:10 PM	East Peoria	n/a	n/a	n/a	n/a	n/a	
08/24/1982	12:55 PM	Tremont	n/a	n/a	n/a	n/a	n/a	

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
08/24/1982	1:00 PM	Delevan	n/a	n/a	n/a	n/a	n/a	
07/29/1983	3:45 PM	Pekin Municipal Airport	n/a	n/a	n/a	n/a	n/a	winds damaged 2 planes
04/29/1984	8:00 PM	Green Valley Delavan	n/a	n/a	n/a	n/a	n/a	winds blew down trees in the southwestern part of the County
04/29/1984	8:50 PM	Washington^	n/a	n/a	n/a	n/a	n/a	
07/10/1984	9:30 PM	South Pekin	n/a	n/a	n/a	n/a	n/a	winds downed tree limbs and power lines
07/02/1985	6:45 PM	northern half of the county	n/a	n/a	n/a	n/a	n/a	scattered power outages occurred due to trees falling across power lines
07/04/1985	9:45 PM	northern half of the county	n/a	n/a	n/a	n/a	n/a	winds caused widespread minor damage to trees, telephone and electric utilities
07/31/1986	1:30 PM	countywide	n/a	n/a	n/a	n/a	n/a	- winds downed thousands of trees - widespread power outages were experienced - 5,000 houses without power
09/19/1986	4:50 AM	Hopedale Minier	52 kts	n/a	n/a	n/a	n/a	<u>Hopedale/Minier area</u> many large trees blocked roads
05/21/1987	8:25 PM	Pekin	n/a	n/a	n/a	n/a	n/a	winds blew down trees
05/21/1987	9:45 PM	Morton	n/a	n/a	n/a	n/a	n/a	400 homes were without power for several hours when trees fell across power lines
07/31/1987	3:05 PM	Pekin	52 kts	n/a	n/a	\$25,000	n/a	- winds toppled large trees in and around the City - one home was so badly damaged by a large tree that it was rendered uninhabitable
04/22/1988	8:00 PM	East Peoria^	n/a	n/a	n/a	\$25,000	n/a	winds demolished a large construction trailer and a building under construction a mile south of the City

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
04/22/1988	8:50 PM	Morton	n/a	n/a	n/a	\$2,500	n/a	<u>Morton</u> - a large part of a motel roof was torn off <u>Morton area</u> - winds nearly demolished a large turkey farm building - some downed trees and power lines blocked roads
05/08/1988	4:10 PM	Pekin	n/a	n/a	n/a	\$250,000	n/a	- winds severely damaged a block/brick beach house - 2 homes were damaged by falling trees
05/08/1988	4:20 PM	East Peoria	61 kts	n/a	n/a	\$1,500,000	n/a	- strong winds and downbursts severely damaged 33 homes (some of the heaviest damage occurred in Fond Du Lac Heights and a two-block stretch from Clayton Court to near Oakwood Drive) - parts of roofs were blown off of homes - a couple of garages were destroyed - a restaurant on IL Rte. 116 and Caterpillar Drive lost its entire roof while 70 individuals were dining but no injuries occurred
05/08/1988	4:30 PM	Marquette Heights	n/a	n/a	n/a	\$25,000	n/a	- winds damaged 25 large trees, uprooting some of them - 10 homes had roof damage - 3 cars were damaged by falling trees
11/15/1988	10:00 PM	Minier Hopedale^	n/a	n/a	n/a	\$25,000	n/a	<u>Minier</u> - a roof was blown off a house <u>Hopedale area</u> - winds destroyed a hog building - part of the roof of a farmhouse was torn off
04/27/1990	5:01 PM	Hopedale^	52 kts	n/a	n/a	n/a	n/a	
08/29/1990	1:00 AM	Pekin^	n/a	n/a	n/a	n/a	\$25,000	
05/17/1991	8:32 PM	Parkland^	n/a	n/a	n/a	n/a	n/a	winds blew down trees

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
05/17/1991	8:44 PM	Minier	n/a	n/a	n/a	n/a	n/a	winds blew down trees
05/31/1991	6:20 PM	Pekin	n/a	n/a	n/a	\$25,000	n/a	winds toppled trees and blew down power lines
06/15/1991	2:46 PM	Morton^	55 kts	n/a	n/a	n/a	n/a	
06/15/1991	3:20 PM	Pekin	n/a	n/a	n/a	\$2,500	n/a	winds downed power lines
05/04/1992	1:52 PM	Pekin	n/a	n/a	n/a	\$250	n/a	several medium to large sized trees were blown down
06/17/1992	3:00 PM	Morton	n/a	n/a	n/a	n/a	n/a	
06/17/1992	3:00 PM	South Pekin	n/a	n/a	n/a	n/a	n/a	
06/07/1992	3:20 PM	Delavan	n/a	n/a	n/a	n/a	n/a	- trees and power lines were blown down - a tree was blown onto a house causing damage
06/23/1992	8:40 PM	Pekin	52 kts	n/a	n/a	n/a	n/a	
07/02/1992	1:10 PM	Creve Coeur	n/a	n/a	n/a	n/a	n/a	the roof was blown off of a community recreation center
09/07/1992	9:40 PM	Pekin	n/a	n/a	n/a	n/a	n/a	trees were blown down
09/09/1992	4:30 PM	Washington^	57 kts	n/a	n/a	n/a	n/a	
09/09/1992	5:03 PM	Deer Creek	n/a	n/a	n/a	n/a	n/a	winds damaged trees
05/12/1993	5:43 PM	East Peoria	n/a	n/a	n/a	n/a	n/a	winds blew down tree limbs and power lines
08/15/1993	8:15 PM	Creve Coeur	n/a	n/a	n/a	n/a	n/a	a large tree was blown down onto power lines
08/15/1993	8:20 PM	East Peoria	n/a	n/a	n/a	\$500	n/a	a 20-inch diameter tree was blown down
08/23/1993	4:40 PM	Creve Coeur	n/a	n/a	n/a	\$50	n/a	large tree limbs were blown down
08/23/1993	4:50 PM	Washington	n/a	n/a	n/a	n/a	n/a	
08/23/1993	4:56 PM	Deer Creek^	n/a	n/a	n/a	n/a	n/a	
08/23/1993	5:05 PM	Deer Creek	n/a	n/a	n/a	\$500	n/a	a 10-inch diameter tree was blown down
08/23/1993	5:35 PM	Deer Creek	n/a	n/a	n/a	\$50	n/a	large tree limbs were blown down
08/23/1993	6:10 PM	Groveland	n/a	n/a	n/a	\$500	n/a	large tree limbs were blown down
06/26/1994	5:45 PM	Washington	n/a	n/a	n/a	\$2,500	n/a	<u>Washington</u> - several houses had siding damage <u>Washington area</u> - winds damaged a two mile wide swath of crops

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/26/1994	5:50 PM	Creve Coeur	n/a	n/a	n/a	\$2,500	n/a	- a vent stack was blown off the roof of the Wesleyan Church - 3-inch diameter tree limbs were blown down
06/26/1994	5:52 PM	Pekin	n/a	n/a	n/a	\$2,500	n/a	- large tree limbs were blown down - trees were blown down along IL Rte. 98
06/26/1994	5:55 PM	Tremont [^]	n/a	n/a	n/a	\$25,000	n/a	- winds damaged siding on several homes - large trees were blown down on Townline and Schrader Roads - winds damaged crops
07/02/1994	5:05 PM	Marquette Heights	n/a	n/a	n/a	n/a	n/a	a 3-inch diameter tree was blown down
07/20/1994	5:07 PM	South Pekin	n/a	n/a	n/a	\$50	n/a	power lines were blown down
07/20/1994	5:22 PM	Pekin	n/a	n/a	n/a	\$50	n/a	- part of the roof of a Western Auto Parts store was blown off - large tree limbs were blown down
06/20/1995	6:45 PM	countywide	n/a	n/a	n/a	n/a	n/a	winds downed 6 to 12 inch diameter tree limbs
06/21/1995	6:55 PM	Minier	52 kts	n/a	n/a	n/a	n/a	winds blew a trained spotter's truck 3 feet off the road
06/23/1995	11:05 PM	Morton	n/a	6	n/a	n/a	n/a	- wind blew down the roof of a motel that was being constructed - 6 workers were injured, though none seriously - at another nearby construction site, the top two floors of a three-story townhouse complex were flattened
03/25/1996	4:00 AM	countywide	n/a	n/a	n/a	n/a	n/a	winds blew down numerous power lines and caused minor damage across the County <i>rain could not be documented with this event</i>
06/23/1996	10:18 PM	Delavan	55 kts	n/a	n/a	n/a	n/a	winds blew down a 12-inch diameter tree which landed on a pickup truck
06/23/1996	10:44 PM	South Pekin Midway	n/a	n/a	n/a	n/a	n/a	wind blew down numerous large tree limbs and power lines

[^] Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
07/24/1996	11:45 AM	Morton	n/a	n/a	n/a	n/a	n/a	several large trees were blown down in the Pine Lake area
10/29/1996	4:40 PM	Pekin Armington	n/a	n/a	n/a	n/a	n/a	<u>Pekin</u> - winds blew down numerous tree limbs and power lines <u>Armington</u> - a carport was blown off a house
10/30/1996	1:00 AM	countywide	57 kts	n/a	n/a	n/a	n/a	winds blew down trees, tree limbs and power lines <u>Pekin</u> - a tree fell onto a house causing damage to a bedroom <i>rain could not be documented with this event</i>
04/05/1997	3:12 PM	Parkland^	n/a	n/a	n/a	n/a	n/a	winds blew over a carport
04/05/1997	3:27 PM	Countywide	n/a	n/a	n/a	n/a	n/a	numerous trees, tree limbs and power lines were blown down throughout the area with some areas sustaining more serious damage
04/06/1997	9:15 AM	Countywide	52 kts	n/a	n/a	n/a	n/a	winds blew down numerous trees, tree limbs and power lines <i>rain could not be documented with this event</i>
04/30/1997	2:19 PM	Pekin	58 kts	n/a	n/a	n/a	n/a	trees, tree limbs and power lines were knocked down
04/30/1997	2:00 PM	Countywide	61 kts	n/a	n/a	n/a	n/a	- hundreds of power lines were blown down across the area - numerous trees and tree limbs were blown down - widespread structural damage was reported - numerous sheds, grain bins and machine sheds were either blown over, damaged or destroyed
05/18/1997	9:23 PM	Pekin	n/a	n/a	n/a	n/a	n/a	winds blew down numerous large tree limbs
06/12/1997	11:55 AM	Parkland^	n/a	n/a	n/a	n/a	n/a	winds blew down several power lines

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
09/29/1997	10:00 AM	Countywide	52 kts	n/a	n/a	n/a	n/a	numerous trees, tree limbs and power lines were blown down <i>rain could not be documented with this event</i>
03/27/1998	6:55 PM	Delavan Green Valley South Pekin Tremont Morton	52 kts	n/a	n/a	\$500,000	n/a	<u>Green Valley/South Pekin/Tremont</u> - winds blew down numerous trees and tree limbs <u>Morton</u> - winds damaged a car dealership as shingles, rocks and other debris were blown onto approx. 300 cars, knocking out windows in some and causing large dents in others
05/19/1998	6:05 PM	countywide	n/a	n/a	n/a	n/a	n/a	numerous trees and tree limbs were blown down
05/24/1998	1:25 AM	Pekin	n/a	n/a	n/a	n/a	n/a	winds blew down a large tree limb onto a driveway
06/14/1998	7:30 AM	Washington	n/a	n/a	n/a	n/a	n/a	winds blew down numerous trees, tree limbs and power lines
06/18/1998	6:17 PM	countywide	n/a	n/a	n/a	n/a	n/a	numerous trees, tree limbs and power lines were blown down <u>Morton</u> - winds blew off part of the roof of a shopping center - some of the debris damaged several vehicles in the adjacent parking lot <u>Washington</u> - a construction trailer was blown over
06/28/1998	7:24 PM	Armington	n/a	n/a	n/a	n/a	n/a	numerous large tree limbs were blown down

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/29/1998	3:40 PM	countywide	83 kts	n/a	n/a	\$2,000,000	\$1,000,000	<u>Morton</u> - as a tornado moved through the southwestern portions of the Village, strong microburst winds caused considerable tree and power line damage as well as structural damage in and close to the tornado path <u>South Pekin</u> - 7 railroad cars were blown over - 2 high-tension towers were blown down
11/10/1998	5:30 AM	countywide	n/a	n/a	n/a	n/a	n/a	winds downed thousands of power lines and tree limbs and blew over hundreds of trees across the region <u>Creve Coeur area</u> - winds ripped sheet metal from a storage tank containing ammonia - some pieces of sheet metal sheared open two relief valves, releasing gas fumes into the air - homes were evacuated <i>rain could not be documented with this event</i>

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
02/11/1999	3:23 PM	countywide	51 kts	6	n/a	\$40,000	n/a	numerous trees were blown over and several sheds, barns and outbuildings were either damaged or destroyed <u>Delavan</u> - blew the roof off a house <u>Delavan area</u> - winds took the roof off a corn crib and flipped over an irrigation rig 3 miles southwest of the City <u>South Pekin</u> - a dozen power poles were blown down <u>Tremont</u> - a semi was blown over on IL Rte. 9 near the interchange with I-155 <u>Tremont area</u> - tops of numerous trees were torn off and a swing set was blown over <u>Morton area</u> - 6 semis were blown over on I-74 causing 6 minor injuries and damaging 2 of the semis
06/04/1999	3:34 PM	Delavan^	n/a	n/a	n/a	n/a	n/a	- a semi was blown over on I-155 east of Delavan, the driver was uninjured - several trees were blown down nearby
07/28/1999	1:20 AM	Pekin Groveland Morton	52 kts	n/a	n/a	n/a	n/a	<u>Pekin</u> several large tree limbs were blown down
08/12/1999	7:15 PM	Armington	n/a	n/a	n/a	\$10,000	n/a	several trees were blown down

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
08/23/1999	5:40 PM	Delavan Tremont Morton	52 kts	n/a	n/a	n/a	n/a	several large tree limbs were blown down
04/20/2000	4:59 AM	countywide	64 kts	n/a	n/a	\$600,000	n/a	numerous trees, tree limbs, power poles and power lines were blown down countywide <u>Green Valley</u> - a large empty grain bin was blown over - several sheds were destroyed - an irrigation system was wrapped around a couple of power poles <u>Groveland</u> - a radio tower was blown down causing \$500,000 in damage <u>Pekin</u> - new townhouses under construction were destroyed <u>Morton</u> - part of a roof from a business was blown off - debris from the roof damaged 3 cars in the parking lot <u>Washington</u> - a building housing a restaurant and bakery was destroyed - a hanger at a private airport was destroyed - 3 planes in the hanger were damaged <u>Minier</u> - several homes sustained roof damage - a couple shed were destroyed
06/20/2000	7:02 PM	Pekin	n/a	n/a	n/a	n/a	n/a	several power lines were blown down

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/23/2000	4:25 PM	countywide	77 kts	n/a	n/a	n/a	n/a	numerous trees, tree limbs and power lines were blown down
08/17/2000	5:45 PM	Parkland^	n/a	n/a	n/a	n/a	n/a	a 12-inch diameter tree was blown down onto some power lines
08/23/2000	5:15 PM	Mackinaw	n/a	n/a	n/a	n/a	n/a	a 15-inch diameter tree was blown down
09/11/2000	9:46 PM	Pekin Schaeferville Dillon^	52 kts	n/a	n/a	n/a	n/a	<u>Pekin</u> - numerous trees and power lines were reported down - a construction trailer was blown over and traveled some 100 feet from its original location <u>Pekin Energy Plant</u> - a large construction sign made of steel and brick was partially blown over
04/21/2001	5:50 PM	Green Valley^	50 kts	n/a	n/a	n/a	n/a	an irrigation tower was blown over
06/14/2001	6:05 PM	Pekin North Pekin Marquette Heights East Peoria Creve Coeur Morton Washington	50 kts	n/a	n/a	n/a	n/a	numerous trees, tree limbs and power lines were blown down
07/23/2001	3:15 PM	Hopedale Armington	52 kts	n/a	n/a	n/a	n/a	several trees were blown down
08/09/2001	7:20 PM	Pekin Tremont	52 kts	n/a	n/a	n/a	n/a	power lines and trees were blown down

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
08/22/2001	5:46 PM	South Pekin Pekin Groveland Morton East Peoria^ Washington	50 kts	n/a	n/a	n/a	n/a	<u>South Pekin</u> - an out building was destroyed - trees were blown down <u>Washington area</u> - trees were blown down
08/22/2001	5:46 PM	Hopedale^	50 kts	n/a	n/a	n/a	n/a	trees were blown down
08/30/2001	7:10 PM	Pekin North Pekin Marquette Heights Creve Coeur East Peoria	52 kts	n/a	n/a	n/a	n/a	<u>Pekin</u> 4 to 6 inch limbs were blown down
10/24/2001	11:40 AM	Delavan^	56 kts	n/a	n/a	n/a	n/a	
03/09/2002	3:00 AM	countywide	54 kts	n/a	n/a	n/a	n/a	- numerous reports of downed power lines, power poles and trees - several reports of minor damage to roofs and storage sheds <i>rain could not be documented with this event</i>
04/24/2002	2:30 PM	Mackinaw^	50 kts	n/a	n/a	n/a	n/a	numerous trees were blown down in the Mackinaw River State Fish & Wildlife area
05/13/2002	6:43 PM	Delavan	50 kts	n/a	n/a	n/a	n/a	several power lines were blown down
06/04/2002	4:18 PM	countywide	55 kts	n/a	n/a	n/a	n/a	numerous limbs and several trees were blown down countywide, especially in the Washington area
07/26/2002	4:10 AM	Pekin^ Allentown Mackinaw	52 kts	n/a	n/a	n/a	n/a	several trees and power lines were blown down
02/11/2003	6:41 PM	Tremont	51 kts	n/a	n/a	n/a	n/a	
04/04/2003	8:30 AM	Delavan^	56 kts	n/a	n/a	n/a	n/a	numerous large tree limbs were blown down

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
05/28/2003	2:00 PM	Washington	60 kts	n/a	n/a	n/a	n/a	- numerous trees were blown down - some of the trees landed on buildings causing minor to moderate damage
06/25/2003	6:30 PM	countywide	60 kts	n/a	n/a	n/a	n/a	winds blew down numerous trees, tree limbs and power lines, especially in the northern half of the County <u>Morton</u> several cars in a shopping center parking lot were damaged due to flying debris
07/08/2003	2:35 PM	Pekin Allentown Mackinaw^	52 kts	n/a	n/a	n/a	n/a	several trees, tree limbs and power lines were blown down
07/21/2003	12:55 AM	Creve Coeur East Peoria Groveland Tremont	60 kts	n/a	n/a	n/a	n/a	- numerous trees, tree limbs and power lines were blown down - several of the fallen trees caused minor damage to the roof of a couple of houses - several cars sustained damage from the trees
04/20/2004	4:45 PM	Pekin Schaeferville	52 kts	n/a	n/a	n/a	n/a	
04/24/2004	7:28 PM	Delavan	52 kts	n/a	n/a	n/a	n/a	
05/23/2004	8:30 AM	Delavan	52 kts	n/a	n/a	n/a	n/a	winds blew down several telephone poles as well as large tree limbs
05/30/2004	3:43 PM	Morton	55 kts	n/a	n/a	n/a	n/a	several large trees were blown down
05/30/2004	4:30 PM	Pekin Hopedale Armington	52 kts	n/a	n/a	n/a	n/a	numerous trees, tree limbs and power lines were down between Pekin and Armington

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
07/11/2004	3:45 PM	Hopedale Tremont^ Morton	52 kts	n/a	n/a	n/a	n/a	<u>Hopedale</u> a machine shed lost a small portion of its roof <u>Morton</u> numerous large tree limbs were blown down
07/22/2004	11:00 AM	Pekin	50 kts	n/a	n/a	n/a	n/a	- winds blew down several trees, tree limbs and power lines - one tree fell onto an unoccupied truck damaging it
08/18/2004	8:04 PM	South Pekin	50 kts	n/a	n/a	n/a	n/a	several large tree limbs were blown down
10/29/2004	10:35 PM	Parkland Green Valley Delavan	55 kts	n/a	n/a	n/a	n/a	<u>Parkland area</u> an addition to a house that was under construction had half of its roof blown off
05/19/2005	5:32 PM	Mackinaw^	52 kts	n/a	n/a	n/a	n/a	
05/19/2005	5:45 PM	Washington^	50 kts	n/a	n/a	n/a	n/a	a large tree was blown down
06/04/2005	10:40 AM	South Pekin^	50 kts	n/a	n/a	n/a	n/a	winds blew down a 10-inch diameter tree
06/08/2005	1:55 PM	Delavan^	50 kts	n/a	n/a	n/a	n/a	
07/26/2005	3:31 PM	Morton	50 kts	n/a	n/a	n/a	n/a	numerous large tree branches were blown down
07/26/2005	3:40 PM	Mackinaw^	52 kts	n/a	n/a	n/a	n/a	several 12-inch diameter trees were blown down
07/26/2005	4:00 PM	South Pekin	50 kts	n/a	n/a	n/a	n/a	several trees and power lines were blown down
09/19/2005	2:38 PM	Groveland	52 kts	n/a	n/a	n/a	n/a	
09/19/2005	2:41 PM	Morton	60 kts	n/a	n/a	n/a	n/a	part of the roof of a shopping center was torn off
09/19/2005	2:50 PM	Hopedale	50 kts	n/a	n/a	n/a	n/a	numerous tree limbs were blown down across the Village
09/19/2005	2:52 PM	Pekin	50 kts	n/a	n/a	\$1,500	n/a	a large tree limb fell on a house
09/19/2005	3:08 PM	Armington	n/a	n/a	n/a	n/a	n/a	- numerous trees were blown down - one tree fell on top of a car

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
11/05/2005	9:24 PM	Pekin Tremont Mackinaw Delavan Hopedale	52 kts	n/a	n/a	n/a	n/a	numerous trees, tree limbs and power lines were blown down
03/12/2006	8:30 PM	Allentown^	52 kts	n/a	n/a	n/a	n/a	windows were blown in on a house
04/02/2006	5:20 PM	Pekin	50 kts	n/a	n/a	n/a	n/a	- several tree limbs were blown down - siding was blown off a house
04/02/2006	5:30 PM	Minier	52 kts	n/a	n/a	n/a	n/a	power lines were blown down
04/02/2006	5:45 PM	Mackinaw	52 kts	n/a	n/a	n/a	n/a	winds damaged the roof of a small building
04/13/2006	10:30 PM	Washington	52 kts	n/a	n/a	n/a	n/a	- power lines were blown down - the local Walmart lost \$30,000 in food due to loss of power
04/13/2006	10:55 PM	South Pekin^ Dillon	60 kts	n/a	n/a	\$30,000	n/a	- a shed was destroyed and 2 large outbuildings were damaged - numerous trees, power poles and power lines were blown down
04/16/2006	12:45 PM	Tremont^	60 kts	n/a	n/a	n/a	n/a	2 large two-wheel grain hauling trailers were flipped over
05/24/2006	2:39 PM	Tremont Mackinaw	56 kts	n/a	n/a	n/a	n/a	<u>Mackinaw area</u> numerous large tree limbs and several highway signs were blown down
05/24/2006	2:40 PM	Hopedale	62 kts	n/a	n/a	n/a	n/a	- several large trees were blown down - a garage was shifted off its foundation
05/24/2006	2:43 PM	Hopedale^	61 kts	n/a	n/a	n/a	n/a	
06/22/2006	7:10 AM	South Pekin	52 kts	n/a	n/a	n/a	n/a	a 12-inch diameter tree was blown down
06/22/2006	7:12 AM	Pekin	52 kts	n/a	n/a	n/a	n/a	1 15-inch diameter tree was blown down
06/22/2006	7:13 AM	Washington	50 kts	n/a	n/a	n/a	n/a	

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/22/2006	7:20 AM	Mackinaw	52 kts	n/a	n/a	n/a	n/a	a circus tent was partially blown down
07/02/2006	7:09 PM	Armington^	56 kts	n/a	n/a	n/a	n/a	
07/19/2006	2:55 PM	countywide	56 kts	n/a	n/a	n/a	n/a	numerous trees and power lines were blown down
03/31/2007	6:30 PM	Morton^ Washington^	65 kts	n/a	n/a	n/a	n/a	<u>Morton area</u> - at a farmstead a shed was severely damaged and a couple of grain bins sustained minor damage - minor damage occurred to the siding and gutters of the home <u>Washington area</u> - power lines were blown down
05/15/2007	1:05 PM	Deer Creek	52 kts	n/a	n/a	n/a	n/a	several 2 to 3 inch tree branches were blown down
08/07/2007	11:25 PM	Spring Lake^	53 kts	n/a	n/a	n/a	n/a	
08/22/2007	7:05 PM	Pekin	61 kts	n/a	n/a	\$15,000	n/a	numerous trees were blown down
01/07/2008	5:11 PM	Morton Allentown Mackinaw	52 kts	n/a	n/a	\$2,000	n/a	
05/26/2008	1:10 AM	Morton	56 kts	n/a	n/a	\$75,000	n/a	a large tree was blown down across North Main Street
06/15/2008	2:11 PM	Creve Coeur	61 kts	n/a	n/a	\$20,000	n/a	- numerous trees, large tree limbs and power lines were blown down - an A frame house was destroyed when 2 large trees fell on it
06/15/2008	2:15 PM	Green Valley	61 kts	n/a	n/a	\$10,000	n/a	numerous trees were blown down along IL Rte. 29
06/15/2008	2:19 PM	Pekin	52 kts	n/a	n/a	n/a	n/a	numerous large tree limbs were blown down
06/15/2008	2:25 PM	Tremont	56 kts	n/a	n/a	\$20,000	n/a	
06/15/2008	2:30 PM	Morton Deer Creek	62 kts	n/a	n/a	n/a	n/a	numerous tree and tree limbs were blown down
07/21/2008	7:25 PM	Delavan	52 kts	n/a	n/a	\$2,000	n/a	a portion of a large tree fell across a road
08/05/2008	4:05 AM	East Peoria	61 kts	2	n/a	\$10,000	n/a	winds snapped 3 six to eight-inch diameter trees

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
04/23/2009	7:30 PM	East Peoria	61 kts	n/a	n/a	n/a	n/a	- winds flipped a car over on the US Rte. 150 bridge - 2 minor injuries were reported - a wooden playset was destroyed - minor shingle damage occurred to several homes - approx. 500 people were without power
06/01/2009	6:25 PM	Hopedale^	52 kts	n/a	n/a	n/a	n/a	a large tree limb was blown down
06/01/2009	6:30 PM	Pekin	52 kts	n/a	n/a	\$12,000	n/a	- a few trees were blown down - scattered power outages were noted
06/18/2009	4:06 AM	Morton	61 kts	n/a	n/a	\$50,000	n/a	several trees and power lines were blown down
06/27/2009	7:19 PM	Washington	52 kts	n/a	n/a	\$35,000	n/a	numerous large tree branches and power lines were blown down
07/24/2009	10:21 PM	Mackinaw	52 kts	n/a	n/a	\$5,000	n/a	- a tree was blown down onto a john boat docked at the Heritage Lake fishing pier - the boat later sank
08/04/2009	7:30 AM	Pekin	61 kts	n/a	n/a	\$25,000	n/a	numerous tree limbs were blown down
08/04/2009	7:55 AM	Washington	52 kts	n/a	n/a	\$2,000	n/a	large tree branches were blown down near Beverly Manor School
08/19/2009	2:30 PM	Mackinaw Washington	52 kts	n/a	n/a	\$35,000	n/a	<u>Mackinaw</u> several 9-inch diameter tree limbs were blown down <u>Mackinaw area</u> several large tree limbs were blown down near Heritage Lake <u>Washington</u> numerous tree limbs were blown down
08/19/2009	2:50 PM	Talbott^	52 kts	n/a	n/a	\$65,000	n/a	- a machine shed was destroyed - a barn was pushed off its foundation - windows were broken out - several trees were broken off or uprooted

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
04/04/2010	7:03 PM	South Pekin	52 kts	n/a	n/a	\$10,000	n/a	several large tree limbs were broken down
05/13/2010	6:25 AM	South Pekin^	52 kts	n/a	n/a	n/a	n/a	a few tree limbs were broken
06/02/2010	12:40 AM	Armington^	70 kts	n/a	n/a	\$125,000	n/a	- grain bins and machine sheds were damaged - a large tree limb was blown down onto the roof of a house
06/02/2010	12:40 AM	Washington^	52 kts	n/a	n/a	\$30,000	n/a	a tree and several power lines were blown down at IL Rte. 24 and Pleasantview Road
06/02/2010	12:40 AM	Mackinaw^ Lilly	70 kts	n/a	n/a	\$116,000	n/a	<u>Mackinaw area</u> - the roof of a house and several outbuildings were damaged - numerous trees and power lines were blown down <u>Lilly</u> - the roof of a barn was damaged - a large tree was blown down across Fast Avenue - a semi-truck was tipped over
06/23/2010	6:10 PM	Pekin	52 kts	n/a	n/a	\$20,000	n/a	a tree was blown down onto a house on Prince Street <i>Ameren (Regional information, including Tazewell County)</i> - 8,000 customers were without power for up to 3 days - 259 wires downed - 17 poles replaced - 63 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 250 Ameren personnel responded to the event
06/23/2010	6:13 PM	Morton	52 kts	n/a	n/a	\$15,000	n/a	numerous small tree limbs were blown down
10/26/2010	4:12 AM	Pekin	52 kts	n/a	n/a	\$15,000	n/a	- several 18-inch branches were blown down - a large tree was blown down on Walnut Street

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Tazewell County Multi-Jurisdictional All Hazards Mitigation Plan

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
10/26/2010	4:30 AM	Morton Tremont Hopedale Mackinaw^	52 kts	n/a	n/a	\$75,000	n/a	<u>Morton</u> power poles were blown down <u>Hopedale</u> -several power poles were blown down -the roof of a shed was damaged -4 pear trees were toppled <u>Mackinaw area</u> a tree limb was blown onto power lines, resulting in a power outage to much of Mackinaw and Heritage Lake
10/26/2010	4:36 AM	Washington	52 kts	n/a	n/a	\$40,000	n/a	power poles were blown down
05/25/2011	5:15 AM	Delavan	52 kts	n/a	n/a	\$95,000	n/a	<u>Delavan</u> - part of the roof was blown off the high schools - power was knocked out to the south side of the City <u>Delavan area</u> - windows were broken at a house - a metal shed was blown down onto a road
05/25/2011	5:05 PM	Pekin	52 kts	n/a	n/a	n/a	n/a	a 3-inch diameter tree branch was blown down
06/04/2011	6:18 PM	Pekin	52 kts	n/a	n/a	\$15,000	n/a	several trees were blown down
06/21/2011	6:05 PM	Morton	52 kts	n/a	n/a	\$2,000	n/a	winds snapped a 12-inch diameter tree
08/08/2011	5:44 PM	East Peoria Creve Coeur	56 kts	n/a	n/a	\$242,000	n/a	<u>East Peoria</u> wind damage occurred over a 2-block radius with several trees blown down on cars and house in the 1100 block of Springfield Road <u>Creve Coeur</u> a 12-inch diameter tree fell onto a house <u>East Peoria/Creve Coeur area</u> several trees were blown down on Pekin Avenue

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/16/2012	6:55 PM	Tremont	52 kts	n/a	n/a	n/a	n/a	- a tree was blown onto a house - several power lines were knocked down
06/16/2012	7:15 PM	Washington	52 kts	n/a	n/a	n/a	n/a	a tree and several tree limbs were blown down
07/26/2012	6:10 PM	Armington	52 kts	n/a	n/a	\$42,000	n/a	- the roof an old school was damaged - numerous trees and tree branches were blown down - power lines were knocked down as well, causing power outages
05/20/2013	6:39 PM	Creve Coeur	52 kts	n/a	n/a	\$4,000	n/a	a tree was blown onto a fence <i>Ameren (Regional information, including Tazewell County)</i> - 16,000 customers were without power for up to 2 days - 559 wires downed - 66 poles replaced - 211 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 629 Ameren personnel responded to the event
05/31/2013	3:00 PM	Morton	52 kts	n/a	n/a	\$10,000	n/a	several branches were blown down at Queenwood and Main Street
05/12/2014	8:40 PM	Pekin	52 kts	n/a	n/a	\$30,000	n/a	a few trees and power lines were blown down
05/12/2014	8:45 PM	East Peoria	52 kts	n/a	n/a	n/a	n/a	an 8-inch diameter tree limb was blown down on Fondulac Drive

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/30/2014	8:41 PM	Washington	52 kts	n/a	n/a	\$1,000	n/a	a 5 to 6-inch diameter tree branch was blown down Ameren (Regional information, including Tazewell County) - 48,560 customers were without power for up to 5 days - 378 wires downed - 62 poles replaced - 176 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed
07/14/2014	10:20 AM	Pekin	52 kts	n/a	n/a	\$30,000	n/a	- 2 trees were uprooted and several large tree limbs were blown down - numerous power lines were knocked down as well
07/14/2014	10:27 AM	Schaeferville	52 kts	n/a	n/a	\$4,000	n/a	a large tree was blown onto power lines
07/14/2014	10:30 PM	Pekin	52 kts	n/a	n/a	\$5,000	n/a	windows were blown out of the Menards
08/04/2014	6:13 PM	Marquette Heights	52 kts	n/a	n/a	\$30,000	n/a	a few trees and power lines were blown down
08/23/2014	10:30 AM	Pekin	52 kts	n/a	n/a	\$18,000	n/a	several tree branches were blown down
06/07/2015	6:30 PM	Pekin	70 kts	n/a	n/a	n/a	n/a	several trees were snapped and uprooted Ameren (Regional information, including Tazewell County) - 25,173 customers were without power for up to 2 days - 169 wires downed - 52 poles replaced - 104 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/07/2015	6:45 PM	Pekin	70 kts	n/a	n/a	\$30,000	n/a	a large tree was blown onto a garage and the roof of a house
06/10/2015	8:50 PM	Marquette Heights Creve Coeur East Peoria	52 kts	n/a	n/a	\$179,000	n/a	<u>Marquette Heights</u> - a 10-inch diameter tree was blown down at Douglas and Pontiac Streets - a 16-inch diameter tree split and blocked a road <u>Creve Coeur</u> - numerous trees and power lines were blown down - a few trees fell onto houses <u>East Peoria</u> - numerous trees and power lines were blown down
06/10/2015	8:50 PM	Pekin	52 kts	n/a	n/a	\$80,000	n/a	numerous trees and tree branches were blown down
06/10/2015	9:00 PM	Washington Tremont^	52 kts	n/a	n/a	\$52,000	n/a	<u>Washington</u> several trees and power lines were blown down <u>Tremont area</u> a 14 to 16-inch diameter tree was blown down onto Townline Road at the Mackinaw River Bridge
07/16/2015	4:23 PM	Armington	61 kts	n/a	n/a	\$12,000	n/a	several trees were blown down <i>Ameren (Regional information, including Tazewell County)</i> - 19,863 customers were without power for up to a day - 81 wires downed - 50 poles replaced - 26 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed
08/18/2015	4:52 PM	Hopedale^	52 kts	n/a	n/a	\$20,000	n/a	a 45 by 50-foot pole barn under construction was blown over

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
08/18/2015	4:55 PM	Hopedale	52 kts	n/a	n/a	\$2,000	n/a	a power line was blown down on Oak Street
11/11/2015	7:20 PM	Pekin Groveland Morton	52 kts	n/a	n/a	\$11,000	n/a	<u>Pekin</u> - a large tree branch was blown down onto a house causing minor roof damage - several large tree branches were blown down blocking Fenley Ave. - \$11,000 in property damage was recorded in the City <u>Morton</u> - a tree was snapped <u>Ameren (regional information, including Tazewell County)</u> - 20,000 customers were without power for up to a day - 68 wires downed - 45 poles replaced - 20 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed
04/02/2016	9:00 AM	Pekin	52 kts	n/a	n/a	\$5,000	n/a	winds caused scattered damage and power outages <u>Pekin</u> shingles were blown off the roof of a house <i>rain could not be documented with this event</i>
07/13/2016	3:50 PM	Marquette Heights	61 kts	n/a	n/a	\$2,000	n/a	an 18-inch diameter tree was snapped
07/13/2016	5:05 PM	Mackinaw	61 kts	n/a	n/a	\$30,000	n/a	<u>Mackinaw</u> numerous trees were snapped around the Village <u>Mackinaw area</u> a 50-foot tall poplar tree approx. 12 to 15 feet in diameter was blown over onto Heritage Drive at Heritage Lake

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
07/24/2016	7:38 PM	Green Valley	52 kts	n/a	n/a	\$3,000	n/a	2 – 12-inch diameter trees were blown down across IL Rte. 29
07/24/2016	9:59 PM	Hopedale	52 kts	n/a	n/a	\$15,000	n/a	- a large, rotten tree was snapped about 10 feet above the ground - numerous large branches were blown down - a strip of tin was torn from a metal roof - a flag pole was bent to the ground
03/06/2017	11:43 PM	Morton	52 kts	n/a	n/a	\$12,000	n/a	a semi was blown over on I-155 at the Main Street exit
03/07/2017	12:12 AM	Washington^	52 kts	n/a	n/a	\$10,000	n/a	a wall of the Washington Township shed was blown down <i>Ameren (Regional information, including Tazewell County)</i> - 53,000 customers were without power for up to a day - 84 wires downed - 121 poles replaced - 36 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 902 Ameren personnel responded to the event
05/26/2017	2:07 PM	Morton	61 kts	n/a	n/a	\$100,000	n/a	numerous trees and power lines were blown down on the north side of the Village north of I-74 from Lakeland Rd. eastward to Tennessee Ave.
06/19/2017	5:50 PM	Mackinaw^	52 kts	n/a	n/a	n/a	n/a	2 – 6-inch diameter tree limbs were blown down
07/10/2017	6:23 PM	Pekin^	61 kts	n/a	n/a	\$30,000	n/a	several trees were blown over
07/10/2017	7:01 PM	South Pekin	61 kts	n/a	n/a	\$12,000	n/a	a 24-inch diameter tree was blown onto a car
08/03/2017	6:00 PM	Minier	52 kts	n/a	n/a	n/a	n/a	several small tree branches were blown down across the Village

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
05/28/2018	2:00 PM	Green Valley Green Valley^	52 kts	n/a	n/a	\$12,000	n/a	- a few trees and large tree branches were blown down across Green Valley - a house had some shingles stripped from its roof and some of its siding damaged
06/10/2018	12:17 PM	Delavan^	52 kts	n/a	n/a	\$6,000	n/a	several pine trees were snapped
03/14/2019	10:30 AM	Pekin	52 kts	n/a	n/a	\$12,000	n/a	a large tree and several power lines were blown down
05/22/2019	9:45 PM	East Peoria	52 kts	n/a	n/a	n/a	n/a	numerous small trees were blown over
05/24/2019	1:20 PM	Green Valley^	52 kts	n/a	n/a	n/a	n/a	power poles and power lines were blown down northwest of Green Valley
05/25/2019	10:20 PM	Delavan^ Green Valley^	52 kts	n/a	n/a	n/a	n/a	<u>Delavan area</u> - a 12-inch diameter tree was blown over <u>Green Valley area</u> - an 18-inch diameter tree was blown over
05/25/2019	10:25 PM	Delavan	52 kts	n/a	n/a	n/a	n/a	a utility pole was blown down
05/28/2019	1:15 PM	Morton	52 kts	n/a	n/a	n/a	n/a	an 8-inch diameter tree branch was snapped
05/28/2019	7:50 PM	Talbott^	52 kts	n/a	n/a	n/a	n/a	numerous large tree branches were blown down
05/28/2019	8:03 PM	Pekin^	52 kts	n/a	n/a	n/a	n/a	a power line was blown down on Mennonite Church Road south of Highway 9
05/28/2019	8:05 PM	Groveland Morton^ Towne Oaks^	61 kts	n/a	n/a	n/a	n/a	18 power poles were snapped along Springfield Road between Highway 9 and Allentown Road
06/15/2019	9:31 PM	Morton^	52 kts	n/a	n/a	n/a	n/a	several tree limbs were blown down
06/15/2019	9:43 PM	Minier	52 kts	n/a	n/a	n/a	n/a	a power pole was blown down

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/30/2019	7:25 PM	Washington^ East Peoria^	52 kts	n/a	n/a	n/a	n/a	a power line was blown down <i>Ameren (Regional information, including Tazewell County)</i> - 12,050 customers were without power for over half a day - 52 wires downed - 85 poles replaced - 37 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed
06/30/2019	7:30 PM	Morton	52 kts	n/a	n/a	n/a	n/a	Several 2 to 3-inch diameter tree branches were blown down
07/14/2019	6:59 PM	South Pekin	52 kts	n/a	n/a	\$12,000	n/a	a tree was blown onto 2 cars
08/20/2019	8:25 AM	Washington^ East Peoria^	52 kts	n/a	n/a	\$10,000	n/a	a tree was blown onto a house in Sunnyland
08/20/2019	8:30 AM	Pekin	52 kts	n/a	n/a	n/a	n/a	a one-foot diameter tree was blown down at Parkview and 11th Street
08/20/2019	8:35 AM	Morton	52 kts	n/a	n/a	n/a	n/a	a large tree was split down the middle
08/20/2019	8:40 AM	Deer Creek	52 kts	n/a	n/a	n/a	n/a	a two-foot diameter tree was blown down

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
09/27/2019	8:36 PM	Washington^ East Peoria^	52 kts	n/a	n/a	n/a	n/a	a highway sign was blown down near the intersection of Boyd Parkway and McClugage Road <i>Ameren (Regional information, including Tazewell County)</i> - 9,298 customers were without power for over up to a day - 53 wires downed - 51 poles replaced - 27 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 320 Ameren personnel responded to the event
09/29/2019	3:11 PM	Delavan	52 kts	n/a	n/a	\$20,000	n/a	numerous trees and tree branches were blown down
09/29/2019	3:18 PM	Delavan^	52 kts	n/a	n/a	\$15,000	\$25,000	- tree limbs were blown down and the end of a farm building was damaged - several 8 to 12-inch diameter tree branches were blown down and a corn field was partially flattened
05/25/2020	7:20 PM	Mackinaw	52 kts	n/a	n/a	n/a	n/a	an 8-inch diameter tree branch was blown down
07/11/2020	7:40 PM	Morton^	61 kts	n/a	n/a	n/a	n/a	an 8-inch diameter tree limb was blown down

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
07/11/2020	7:50 PM	Pekin	61 kts	n/a	n/a	\$20,000	n/a	- a 20-inch diameter tree was blown onto a road - large tree was blown onto a house <i>Ameren (Regional information, including Tazewell County)</i> - 35,425 customers were without power for up to 2 days - 210 wires downed - 57 poles replaced - 48 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 310 Ameren personnel responded to the event
07/11/2020	8:00 PM	Minier Mackinaw^	61 kts	n/a	n/a	n/a	\$100,000	<u>Minier</u> a 10-inch diameter tree was blown down in Minier <u>Mackinaw area</u> strong thunderstorm winds flattened crops south of Mackinaw.
07/15/2020	1:35 PM	Morton	52 kts	n/a	n/a	\$30,000	n/a	fencing and numerous trees were blown down in Morton
08/10/2020	1:40 PM	East Peoria^	52 kts	n/a	n/a	n/a	n/a	two trees were snapped near the base

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
08/10/2020	1:47 PM	Morton East Peoria [^]	52 kts	n/a	n/a	\$7,000	n/a	a power pole was snapped near Jefferson Street and Westshore Drive <i>Ameren (Regional information, including Tazewell County)</i> - 60,240 customers were without power for up to 4 days - 148 wires downed - 120 poles replaced - 84 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 1,434 Ameren personnel responded to the event
08/10/2020	1:50 PM	Morton	56 kts	n/a	n/a	n/a	n/a	several 6-inch diameter tree branches were blown down
08/10/2020	1:56 PM	Pekin	52 kts	n/a	n/a	n/a	n/a	a 1-foot diameter tree was blown down
08/10/2020	2:00 PM	Pekin	52 kts	n/a	n/a	n/a	n/a	a large tree was blown down across a road
08/10/2020	2:00 PM	Hopedale	52 kts	n/a	n/a	\$20,000	n/a	a grain bin was damaged
08/10/2020	2:06 PM	Pekin [^]	70 kts	n/a	n/a	n/a	n/a	several 10-inch diameter tree branches were blown down
08/10/2020	2:16 PM	East Peoria	52 kts	n/a	n/a	n/a	n/a	numerous tree branches were blown down near Veteran's Road and Bloomington Road
06/18/2021	11:50 PM	South Pekin [^]	61 kts	n/a	n/a	\$30,000	n/a	numerous trees were blown down

[^] Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/18/2021	11:58 PM	Pekin	61 kts	n/a	n/a	\$55,000	n/a	numerous trees and tree branches were blown down, including a large tree that fell onto a car <i>Ameren (Regional information, including Tazewell County)</i> - 29,887 customers were without power for up to 3 days - 89 wires downed - 39 poles replaced - 24 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 716 Ameren personnel responded to the event
06/19/2021	12:11 AM	South Pekin^	61 kts	n/a	n/a	\$20,000	n/a	tree branches were blown down and shingles were blown off a roof
08/08/2021	5:15 PM	East Peoria Creve Coeur^	52 kts	n/a	n/a	n/a	n/a	a small tree was snapped
08/24/2021	7:45 PM	Pekin Pekin^	52 kts	n/a	n/a	n/a	n/a	numerous tree limbs and power lines were blown down around Pekin.
10/24/2021	4:20 PM	Pekin	52 kts	n/a	n/a	n/a	n/a	several tree limbs were blown down

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
12/10/2021	8:16 PM	South Pekin^ Green Valley^ Pekin Municipal Airport^	61 kts	n/a	n/a	n/a	n/a	numerous power poles were blown down and siding was damaged on a house along Weir Road between Jacob Road and Wagonseller Road <i>Ameren (Regional information, including Tazewell County)</i> - 26,606 customers were without power for up to 4 days - 105 wires downed - 36 poles replaced - 35 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 810 Ameren personnel responded to the event
12/10/2021	8:19 PM	Green Valley^	61 kts	n/a	n/a	n/a	n/a	a farm irrigation unit was flipped into a ditch on Goeken Road just east of Route 29
12/10/2021	8:20 PM	Morton	61 kts	n/a	n/a	n/a	n/a	a large tree branch was blown down
12/10/2021	8:25 PM	Tremont^	74 kts	n/a	n/a	\$100,000	n/a	the dome was blown off the salt storage building at the Tazewell County Highway Department
12/10/2021	8:31 PM	Tremont^	61 kts	n/a	n/a	n/a	n/a	
03/05/2022	10:36 PM	Tremont	52 kts	n/a	n/a	n/a	n/a	
06/25/2022	8:15 PM	Washington^	52 kts	n/a	n/a	n/a	n/a	corn crops were flattened and a large dead tree limb was blown down just north of Business 24
08/01/2022	3:55 AM	Hopedale Tremont^	52 kts	n/a	n/a	n/a	n/a	<u>Hopedale</u> - several tree branches and power lines were blown down <u>Tremont area</u> Numerous tree limbs were blown down
08/01/2022	3:58 AM	Tremont^	54 kts	n/a	n/a	n/a	n/a	a power outage occurred at the time of the wind gust

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 1
Severe Storms - Thunderstorms with Damaging Winds Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Windspeed (knots)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
08/02/2022	7:05 AM	Tremont^	52 kts	n/a	n/a	n/a	n/a	a large portion of a corn field was flattened due to strong winds
08/20/2022	1:20 PM	East Peoria	52 kts	n/a	n/a	n/a	n/a	three inch tree limbs broken
08/20/2022	1:30 PM	East Peoria Washington^	52 kts	n/a	n/a	n/a	n/a	A 12 inch diameter tree limb broke and damaged roof in East Peoria. Large windows broken and metal roof damaged.
08/20/2022	1:32 PM	East Peoria Washington Washington^	52 kts	n/a	n/a	n/a	n/a	small tree limbs blown down
09/18/2022	11:04 PM	Washington	52 kts	n/a	n/a	n/a	n/a	several 4 to 5-inch diameter tree limbs were blown down
GRAND TOTAL:				14	0	\$7,451,950	\$1,150,000	

Source: NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Data.
 NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Events Database.
 Tony O'Neal, Emergency Response Specialist - Illinois Crisis Management, Ameren Illinois.
 Tri-County MAC member responses to Natural Hazard Events Questionnaire.

^ Thunderstorms with damaging winds verified in the vicinity of this location(s).

Table 2
Severe Storms - Hail Events Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Hail Stone Diameter (inches)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
06/04/1960	7:00 PM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
06/10/1963	1:15 PM	Washington	1.00 in.	n/a	n/a	n/a	n/a	
05/15/1968	6:10 PM	Morton^	1.75 in.	n/a	n/a	n/a	n/a	
05/13/1970	2:45 AM	Lilly^	1.00 in.	n/a	n/a	n/a	n/a	
06/09/1972	3:40 PM	Pekin	1.75 in.	n/a	n/a	n/a	n/a	
06/14/1974	6:37 PM	Tremont	1.75 in.	n/a	n/a	n/a	n/a	
05/30/1975	1:05 PM	Minier	1.00 in.	n/a	n/a	n/a	n/a	
06/20/1975	4:11 PM	Washington	1.00 in.	n/a	n/a	n/a	n/a	
08/18/1975	5:45 PM	Dillon^	1.75 in.	n/a	n/a	n/a	n/a	
05/28/1978	2:00 PM	Washington East Peoria	1.25 in.	n/a	n/a	n/a	n/a	
07/26/1978	2:00 PM	Hopedale^	1.75 in.	n/a	n/a	n/a	n/a	
07/26/1978	2:55 PM	Mackinaw	2.00 in.	n/a	n/a	n/a	n/a	
06/02/1980	12:50 AM	Pekin^	1.75 in.	n/a	n/a	n/a	n/a	
06/02/1980	9:55 AM	Pekin Schaeferville	1.75 in.	n/a	n/a	n/a	n/a	
07/13/1982	4:45 PM	Washington^	1.75 in.	n/a	n/a	n/a	n/a	
03/27/1985	9:13 PM	Mackinaw	1.75 in.	n/a	n/a	n/a	n/a	
03/28/1985	12:30 AM	Minier^	1.50 in.	n/a	n/a	n/a	n/a	
06/23/1985	12:10 PM	Tremont	1.75 in.	n/a	n/a	\$2,500	\$2,500	<u>Tremont</u> - vehicles and roofs sustained minor damage <u>Tremont area</u> - crops sustained minor damage
04/22/1988	8:50 PM	Morton Groveland	1.75 in.	n/a	n/a	n/a	n/a	
06/15/1991	2:45 PM	East Peoria	1.75 in.	n/a	n/a	n/a	n/a	

^ Hail event verified in the vicinity of this location(s).

Table 2
Severe Storms - Hail Events Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Hail Stone Diameter (inches)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
10/23/1991	3:15 PM	Washington	1.75 in.	n/a	n/a	n/a	n/a	
12/08/1991	2:22 PM	Tremont	2.75 in.	n/a	n/a	n/a	n/a	
08/23/1993	4:14 PM	Washington	1.00 in.	n/a	n/a	n/a	n/a	
08/23/1993	5:45 PM	Minier	1.75 in.	n/a	n/a	n/a	n/a	
04/26/1994	6:12 PM	Minier	1.75 in.	n/a	n/a	n/a	n/a	
06/26/1994	5:54 PM	Greene Valley	1.00 in.	n/a	n/a	n/a	n/a	
06/26/1994	5:55 PM	Tremont	1.75 in.	n/a	n/a	n/a	n/a	
06/26/1994	6:00 PM	Delavan	1.00 in.	n/a	n/a	n/a	n/a	
07/20/1994	5:39 PM	East Peoria	1.50 in.	n/a	n/a	n/a	n/a	
05/09/1995	5:15 PM	Schaeferville	1.75 in.	n/a	n/a	n/a	n/a	
05/13/1995	5:46 PM	Pekin^	1.75 in.	n/a	n/a	n/a	n/a	
04/18/1996	1:55 AM	Delavan	1.75 in.	n/a	n/a	n/a	n/a	
04/19/1996	5:38 PM	Delavan	1.75 in.	n/a	n/a	n/a	n/a	
12/23/1996	12:37 PM	Tremont^	1.00 in.	n/a	n/a	n/a	n/a	
08/24/1997	1:54 PM	Hopedale^	1.25 in.	n/a	n/a	n/a	n/a	
08/24/1997	2:10 PM	East Peoria Morton Delavan	1.00 in.	n/a	n/a	n/a	n/a	
04/07/1998	5:30 PM	Marquette Heights	1.75 in.	n/a	n/a	n/a	n/a	
04/15/1998	10:43 PM	Pekin	1.75 in.	n/a	n/a	n/a	n/a	
05/12/1998	5:50 PM	Pekin	1.75 in.	n/a	n/a	n/a	n/a	
06/11/1998	2:50 PM	Delavan^	1.25 in.	n/a	n/a	n/a	n/a	
06/04/1999	3:20 PM	Tremont	1.70 in.	n/a	n/a	n/a	n/a	

^ Hail event verified in the vicinity of this location(s).

Table 2
Severe Storms - Hail Events Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Hail Stone Diameter (inches)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
04/20/2000	5:00 AM	Parkland^ South Pekin Midway Pekin Schaeferville Groveland Morton Washington^	1.70 in.	n/a	n/a	n/a	n/a	
05/08/2000	9:20 PM	Green Valley Delavan	1.00 in.	n/a	n/a	n/a	n/a	
05/12/2000	6:40 AM	Delavan	1.25 in.	n/a	n/a	n/a	n/a	
05/12/2000	3:30 PM	Groveland Morton	1.50 in.	n/a	n/a	n/a	n/a	
05/18/2000	5:02 PM	Hopedale^	1.75 in.	n/a	n/a	n/a	n/a	
04/10/2001	12:15 AM	Tremont	1.00 in.	n/a	n/a	n/a	n/a	
04/21/2001	4:50 PM	Spring Lake Pekin Mackinaw	1.25 in.	n/a	n/a	n/a	n/a	
08/18/2001	11:39 AM	Delavan	2.50 in.	n/a	n/a	n/a	n/a	
07/26/2002	4:15 AM	Mackinaw	1.00 in.	n/a	n/a	n/a	n/a	
04/04/2003	2:40 PM	Green Valley^	1.75 in.	n/a	n/a	n/a	n/a	
05/08/2003	9:30 PM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
05/08/2003	9:50 PM	Pekin Groveland Morton	2.50 in.	n/a	n/a	n/a	n/a	

^ Hail event verified in the vicinity of this location(s).

Table 2
Severe Storms - Hail Events Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Hail Stone Diameter (inches)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
05/09/2003	7:15 PM	Armington^ Minier	2.00 in.	n/a	n/a	n/a	n/a	
05/28/2003	1:54 PM	Washington Mayfair Mackinaw	3.00 in.	n/a	n/a	n/a	n/a	
06/28/2003	3:22 PM	Washington	1.75 in.	n/a	n/a	n/a	n/a	
07/08/2003	2:35 PM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
05/30/2004	3:33 PM	Morton Washington	1.25 in.	n/a	n/a	n/a	n/a	
05/30/2004	4:36 PM	Delavan	2.75 in.	n/a	n/a	n/a	n/a	
03/30/2005	3:29 PM	Delavan^	1.00 in.	n/a	n/a	n/a	n/a	
06/29/2005	4:20 PM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
06/29/2005	4:28 PM	Tremont^	1.75 in.	n/a	n/a	n/a	n/a	
04/13/2006	10:38 PM	Pekin Groveland Morton	1.75 in.	n/a	n/a	n/a	n/a	
01/07/2008	5:11 PM	Morton	1.00 in.	n/a	n/a	n/a	n/a	
05/13/2008	4:49 PM	Washington East Peoria Morton	2.00 in.	n/a	n/a	n/a	n/a	
06/03/2008	8:13 PM	Delavan^	1.00 in.	n/a	n/a	n/a	n/a	
06/03/2008	8:33 PM	Delavan	1.00 in.	n/a	n/a	n/a	n/a	
06/19/2009	2:12 PM	Tremont	1.00 in.	n/a	n/a	n/a	n/a	
05/06/2010	11:15 PM	Hopedale	1.00 in.	n/a	n/a	n/a	n/a	
05/24/2010	7:30 PM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
02/27/2011	8:16 PM	Armington^	1.00 in.	n/a	n/a	n/a	n/a	

^ Hail event verified in the vicinity of this location(s).

Table 2
Severe Storms - Hail Events Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Hail Stone Diameter (inches)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
04/15/2011	6:43 PM	Delavan	1.00 in.	n/a	n/a	n/a	n/a	
05/11/2011	4:25 PM	Delavan^	1.75 in.	n/a	n/a	n/a	n/a	
05/13/2011	5:06 PM	Tremont	1.00 in.	n/a	n/a	n/a	n/a	
05/13/2011	5:36 PM	Hopedale	1.00 in.	n/a	n/a	n/a	n/a	
05/22/2011	12:47 PM	Tremont^	1.00 in.	n/a	n/a	n/a	n/a	
05/22/2011	1:10 PM	Deer Creek	1.00 in.	n/a	n/a	n/a	n/a	
06/26/2011	10:40 PM	Armington	1.00 in.	n/a	n/a	n/a	n/a	
08/13/2011	1:52 PM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
08/13/2011	2:03 PM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
08/13/2011	2:45 PM	Allentown^	1.00 in.	n/a	n/a	n/a	n/a	
04/01/2012	2:38 AM	Morton	1.00 in.	n/a	n/a	n/a	n/a	
09/07/2012	8:20 AM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
04/17/2013	6:10 PM	Washington	1.00 in.	n/a	n/a	n/a	n/a	
11/17/2013	11:29 AM	Armington^	1.00 in.	n/a	n/a	n/a	n/a	
04/08/2015	3:09 AM	Morton	1.25 in.	n/a	n/a	n/a	n/a	
04/08/2015	3:39 AM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
04/08/2015	3:34 AM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
11/02/2016	3:27 PM	East Peoria	1.25 in.	n/a	n/a	n/a	n/a	
11/02/2016	3:33 PM	Groveland	1.00 in.	n/a	n/a	n/a	n/a	
11/02/2016	3:35 PM	Morton	1.50 in.	n/a	n/a	n/a	n/a	
04/10/2017	2:42 PM	East Peoria	1.75 in.	n/a	n/a	n/a	n/a	
04/10/2017	2:45 PM	Washington	1.00 in.	n/a	n/a	n/a	n/a	
04/10/2017	2:52 PM	Washington	1.75 in.	n/a	n/a	n/a	n/a	
05/26/2017	2:01 PM	East Peoria	1.00 in.	n/a	n/a	n/a	n/a	
05/26/2017	2:06 PM	East Peoria	1.00 in.	n/a	n/a	n/a	n/a	
05/26/2017	2:08 PM	Morton	1.00 in.	n/a	n/a	n/a	n/a	

^ Hail event verified in the vicinity of this location(s).

Table 2
Severe Storms - Hail Events Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Hail Stone Diameter (inches)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
07/10/2017	6:28 PM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
12/01/2018	5:58 PM	Pekin	1.00 in.	n/a	n/a	n/a	n/a	
05/24/2019	1:33 PM	Hopedale	1.00 in.	n/a	n/a	n/a	n/a	
05/24/2019	1:35 PM	Mackinaw	1.00 in.	n/a	n/a	n/a	n/a	
05/24/2019	1:44 PM	Hopedale^	1.75 in.	n/a	n/a	n/a	n/a	
05/24/2019	1:45 PM	Hopedale^	1.00 in.	n/a	n/a	n/a	n/a	
05/24/2019	1:46 PM	Minier	1.00 in.	n/a	n/a	n/a	n/a	
05/29/2019	4:12 PM	Lilly^ Mackinaw^	1.00 in.	n/a	n/a	n/a	n/a	
09/27/2019	3:09 PM	Washington	1.00 in.	n/a	n/a	n/a	n/a	
05/23/2020	12:07 PM	Washington	1.00 in.	n/a	n/a	n/a	n/a	
07/11/2020	6:55 PM	Creve Coeur Creve Coeur^ East Peoria^ Marquette Heights North Pekin^	2.00 in.	n/a	n/a	n/a	n/a	
07/11/2020	7:36 PM	Pekin North Pekin^	1.00 in.	n/a	n/a	n/a	n/a	
07/11/2020	8:00 PM	Hopedale	1.00 in.	n/a	n/a	n/a	n/a	
08/20/2022	1:30 PM	East Peoria Washington^	1.00 in.	n/a	n/a	n/a	n/a	
08/20/2022	1:35 PM	East Peoria Washington^	1.50 in.	n/a	n/a	n/a	n/a	
08/20/2022	1:39 PM	Washington East Peoria^	1.00 in.	n/a	n/a	n/a	n/a	
08/20/2022	1:40 PM	Washington	3.00 in.	n/a	n/a	n/a	n/a	

^ Hail event verified in the vicinity of this location(s).

Table 2
Severe Storms - Hail Events Reported in Tazewell County
1960 - 2022

Date(s)	Start Time	Location(s)	Magnitude Hail Stone Diameter (inches)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
08/20/2022	1:43 PM	Washington	1.75 in.	n/a	n/a	n/a	n/a	
08/20/2022	1:45 PM	Washington	2.00 in.	n/a	n/a	n/a	n/a	
08/20/2022	1:55 PM	Washington Washington^ East Peoria	2.00 in.	n/a	n/a	n/a	n/a	
GRAND TOTAL:				0	0	\$ 2,500	\$ 2,500	

Source: NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Data.
NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Events Database.

^ Hail event verified in the vicinity of this location(s).

Table 3
Severe Storms - Lightning Events Reported in Tazewell County
1991 - 2022

Date(s)	Start Time	Location(s)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
10/23/1991	3:40 PM	Green Valley^	n/a	n/a	\$45,000	n/a	lightning started a fire which gutted a two-story farmhouse
07/20/1994	5:35 PM	Morton	n/a	n/a	\$50	n/a	lightning struck a tree and started a fire
06/26/2008	2:45 PM	Washington^	n/a	n/a	\$50,000	n/a	- lightning struck a tree next to a house, setting the house on fire - 2 rooms were burned and damage was done to the roof and siding - a vehicle parked nearby also sustained damage
GRAND TOTAL:			0	0	\$ 95,050	\$ -	

Source: NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Data.
NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Events Database.

^ Lightning event verified in the vicinity of this location(s).

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
01/17/1950 thru 01/19/1950	n/a	Illinois River	western portion of county	18.30 ft. 01/18/1950				n/a	n/a	n/a	n/a	
01/27/1950 thru 02/03/1950	n/a	Illinois River	western portion of county	19.40 ft. 01/30/1950				n/a	n/a	n/a	n/a	
03/09/1950 thru 03/13/1950	n/a	Illinois River	western portion of county	18.70 ft. 03/10/1950				n/a	n/a	n/a	n/a	
04/07/1950 thru 05/12/1950	n/a	Illinois River	western portion of county	25.00 ft. 04/29/1950				n/a	n/a	n/a	n/a	
02/20/1951 thru 03/08/1951	n/a	Illinois River	western portion of county	21.20 ft. 02/24/1951				n/a	n/a	n/a	n/a	
04/15/1951 thru 04/21/1951	n/a	Illinois River	western portion of county	18.50 ft. 04/17/1951				n/a	n/a	n/a	n/a	
07/12/1951 thru 07/20/1951	n/a	Illinois River	western portion of county	19.80 ft. 07/15/1951				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
03/23/1952 thru 03/28/1952	n/a	Illinois River	western portion of county	18.60 ft. 03/25/1952				n/a	n/a	n/a	n/a	
04/16/1952 thru 04/21/1952	n/a	Illinois River	western portion of county	18.60 ft. 04/18/1952				n/a	n/a	n/a	n/a	
04/30/1957 thru 05/07/1957	n/a	Illinois River	western portion of county	19.80 ft. 05/03/1957				n/a	n/a	n/a	n/a	
07/18/1957 thru 07/20/1957	n/a	Illinois River	western portion of county	18.50 ft. 07/19/1957				n/a	n/a	n/a	n/a	
06/15/1958 thru 06/25/1958	n/a	Illinois River	western portion of county	19.70 ft. 06/19/1958				n/a	n/a	n/a	n/a	
07/18/1958 thru 07/20/1958	n/a	Illinois River	western portion of county	18.30 ft. 07/19/1958				n/a	n/a	n/a	n/a	
02/16/1959 thru 03/02/1959	n/a	Illinois River	western portion of county	19.10 ft. 02/18/1959				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
03/31/1960 thru 04/28/1960	n/a	Illinois River	western portion of county	21.80 ft. 04/05/1960				n/a	n/a	n/a	n/a	
09/28/1961 thru 10/02/1961	n/a	Illinois River	western portion of county	18.74 ft. 09/29/1961				n/a	n/a	n/a	n/a	
03/15/1962 thru 04/13/1962	n/a	Illinois River	western portion of county	23.70 ft. 03/26/1962				n/a	n/a	n/a	n/a	
04/11/1965 thru 04/19/1965	n/a	Illinois River	western portion of county	18.60 ft. 04/13/1965				n/a	n/a	n/a	n/a	
04/27/1965 thru 05/11/1965	n/a	Illinois River	western portion of county	19.40 ft. 04/29/1965				n/a	n/a	n/a	n/a	
05/13/1966 thru 05/29/1966	n/a	Illinois River	western portion of county	21.20 ft. 05/17/1966				n/a	n/a	n/a	n/a	
04/03/1967 thru 04/12/1967	n/a	Illinois River	western portion of county	19.80 ft. 04/07/1967				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
02/05/1968 thru 02/13/1968	n/a	Illinois River	western portion of county	19.60 ft. 02/07/1968				n/a	n/a	n/a	n/a	
04/23/1970 thru 06/26/1970	n/a	Illinois River	western portion of county	25.90 ft. 05/19/1970				n/a	n/a	n/a	n/a	heavy rain fell over much of central Illinois for 3 to 8 consecutive days washing out crops and causing extreme soil erosion & ponding
09/28/1970 thru 10/01/1970	n/a	Illinois River	western portion of county	18.10 ft. 09/29/1970				n/a	n/a	n/a	n/a	
01/01/1973 thru 01/14/1973	n/a	Illinois River	western portion of county	21.60 ft. 01/06/1973				n/a	n/a	n/a	n/a	
03/14/1973 thru 05/18/1973	n/a	Illinois River	western portion of county	24.40 ft. 04/27/1973				n/a	n/a	n/a	n/a	<i>This event is part of a federally-declared disaster (Declaration #373)</i>
06/21/1973 thru 06/26/1973	n/a	Illinois River	western portion of county	18.90 ft. 06/23/1973				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
01/24/1974 thru 02/12/1974	n/a	Illinois River	western portion of county	23.20 ft. 02/01/1974				n/a	n/a	n/a	n/a	
02/26/1974 thru 03/21/1974	n/a	Illinois River	western portion of county	19.10 ft. 03/10/1974				n/a	n/a	n/a	n/a	
05/18/1974 thru 07/07/1974	n/a	Illinois River, area rivers, streams & creeks	countywide	24.50 ft. 05/25/1974				n/a	n/a	\$2,500,000 [§]	\$250,000 [§]	<i>This event is part of a federally-declared disaster (Declaration #438)</i>
04/19/1975 thru 05/07/1975	n/a	Illinois River	western portion of county	19.70 ft. 05/01/1975				n/a	n/a	n/a	n/a	
02/25/1976 thru 03/23/1976	n/a	Illinois River	western portion of county	23.60 ft. 03/09/1976				n/a	n/a	n/a	n/a	
05/09/1976 thru 05/13/1976	n/a	Illinois River	western portion of county	18.80 ft. 05/11/1976				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
04/07/1978 thru 04/19/1978	n/a	Illinois River	western portion of county	20.00 ft. 04/13/1978				n/a	n/a	n/a	n/a	
05/15/1978 thru 05/22/1978	n/a	Illinois River	western portion of county	19.00 ft. 05/17/1978				n/a	n/a	n/a	n/a	
03/06/1979 thru 05/17/1979	n/a	Illinois River, area rivers, streams & creeks	countywide	28.70 ft. 03/23/1979 3rd highest crest on record				n/a	n/a	n/a	n/a	<i>This event is part of a federally-declared disaster (Declaration #583)</i>
06/04/1980 thru 06/16/1980	n/a	Illinois River, area rivers, streams & creeks	countywide	20.50 ft. 06/08/1980			X	n/a	n/a	n/a	\$8,000,000	<i>this event was part of a state-declared disaster</i> - 14 inches of rain fell in a week flooding farm fields, buildings & roads - at the north end of the County 20 square miles of land (approx. 12,800 acres) was under water and caused extensive damage to crops and buildings

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
04/17/1981 thru 04/21/1981	n/a	Illinois River	western portion of county	18.80 ft. 04/20/1981				n/a	n/a	n/a	n/a	
05/15/1981 thru 05/27/1981	n/a	Illinois River	western portion of county	20.70 ft. 05/19/1981				n/a	n/a	n/a	n/a	
06/16/1981 thru 06/30/1981	n/a	Illinois River	western portion of county	20.10 ft. 06/18/1981				n/a	n/a	n/a	n/a	
02/23/1982 thru 05/01/1982	n/a	Illinois River	countywide	27.10 ft. 03/23/1982 9th highest crest on record				n/a	n/a	n/a	n/a	
12/04/1982 thru 01/06/1983	n/a	Illinois River, Mackinaw River, area rivers, streams & creeks	countywide	27.40 ft. 12/09/1982 8th highest crest on record	X			n/a	n/a	n/a	n/a	<i>This event is part of a federally-declared disaster (Declaration #674)</i> the Mackinaw River overflowed flooding about 40,000 acres of land and damaging homes at Mackinaw Valley Park

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
04/02/1983 thru 05/21/1983	n/a	Illinois River, area rivers, streams & creeks	countywide	25.70 ft. 04/17/1983				n/a	n/a	n/a	n/a	
02/15/1984 thru 02/29/1984	n/a	Illinois River	western portion of county	21.30 ft. 02/20/1984				n/a	n/a	n/a	n/a	
03/20/1984 thru 04/09/1984	n/a	Illinois River	western portion of county	21.80 ft. 03/28/1984				n/a	n/a	n/a	n/a	
05/29/1984 thru 06/06/1984	n/a	Illinois River	western portion of county	19.50 ft. 06/01/1984				n/a	n/a	n/a	n/a	
02/25/1985 thru 04/14/1985	n/a	Illinois River, Mackinaw River, area rivers, streams & creeks	countywide	28.40 ft. 03/07/1985 4th highest crest on record				n/a	n/a	\$1,381,000	n/a	<i>This event is part of a federally-declared disaster (Declaration #735)</i>

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
11/18/1985 thru 12/18/1985	n/a	Illinois River	western portion of county	25.20 ft. 11/24/1985				n/a	n/a	n/a	n/a	
10/05/1986 thru 10/16/1986	n/a	Illinois River	western portion of county	20.80 ft. 10/09/1986				n/a	n/a	n/a	n/a	
04/08/1988 thru 04/12/1988	n/a	Illinois River	western portion of county	18.69 ft. 04/10/1988				n/a	n/a	n/a	n/a	
09/11/1989 thru 09/13/1989	n/a	Illinois River	western portion of county	18.23 ft. 09/12/1989				n/a	n/a	n/a	n/a	
03/10/1990 thru 03/25/1990	n/a	Illinois River	western portion of county	22.88 ft. 03/15/1990				n/a	n/a	n/a	n/a	
05/13/1990 thru 05/25/1990	n/a	Illinois River	western portion of county	19.36 ft. 05/16/1990				n/a	n/a	n/a	n/a	
11/29/1990 thru 12/11/1990	n/a	Illinois River	western portion of county	21.27 ft. 12/02/1990				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
01/03/1991 thru 01/08/1991	n/a	Illinois River	western portion of county	18.57 ft. 01/04/1991				n/a	n/a	n/a	n/a	
03/19/1991 thru 04/04/1991	n/a	Illinois River	western portion of county	21.00 ft. 03/23/1991				n/a	n/a	n/a	n/a	
04/16/1991 thru 04/25/1991	n/a	Illinois River	western portion of county	20.14 ft. 04/19/1991				n/a	n/a	n/a	n/a	
05/27/1991 thru 06/03/1991	n/a	Illinois River	western portion of county	18.82 ft. 05/29/1991				n/a	n/a	n/a	n/a	
01/03/1993 thru 02/02/1993	n/a	Illinois River	western portion of county	23.03 ft. 01/08/1993				n/a	n/a	n/a	n/a	
03/06/1993 thru 03/16/1993	n/a	Illinois River	western portion of county	19.55 ft. 03/10/1993				n/a	n/a	n/a	n/a	
03/23/1993 thru 05/09/1993	n/a	Illinois River	western portion of county	23.40 ft. 04/23/1993				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
06/11/1993 thru 08/05/1993	n/a	Illinois River	western portion of county	21.56 ft. 07/05/1993				n/a	n/a	n/a	n/a	
09/14/1993 thru 10/02/1993	n/a	Illinois River	western portion of county	20.73 ft. 09/18/1993				n/a	n/a	n/a	n/a	
10/21/1993 thru 10/27/1993	n/a	Illinois River	western portion of county	18.66 ft. 10/24/1993				n/a	n/a	n/a	n/a	
02/21/1994 thru 02/25/1994	n/a	Illinois River	western portion of county	18.60 ft. 02/23/1994				n/a	n/a	n/a	n/a	
03/09/1994 thru 03/12/1994	n/a	Illinois River	western portion of county	18.37 ft. 03/10/1994				n/a	n/a	n/a	n/a	
01/22/1995 thru 01/24/1995	n/a	Illinois River	western portion of county	18.30 ft. 01/23/1995				n/a	n/a	n/a	n/a	
04/13/1995 thru 04/24/1995	n/a	Illinois River	western portion of county	19.63 ft. 04/16/1995				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
05/14/1995 thru 06/14/1995	n/a	Illinois River, area rivers, streams & creeks	countywide	25.90 ft. 05/30/1995	X			n/a	n/a	n/a	n/a	numerous homes were damaged or destroyed by flooding along the Illinois River
05/28/1996 thru 06/27/1996	n/a	Illinois River	western portion of county	22.71 ft. 06/04/1996				n/a	n/a	n/a	n/a	
07/21/1996 thru 07/30/1996	n/a	Illinois River	western portion of county	19.82 ft. 07/25/1996				n/a	n/a	n/a	n/a	
02/22/1997 thru 03/20/1997	n/a	Illinois River	western portion of county	26.86 ft. 03/03/1997				n/a	n/a	n/a	n/a	
03/14/1998 thru 04/17/1998	n/a	Illinois River	western portion of county	22.33 ft. 03/24/1998				n/a	n/a	n/a	n/a	
05/08/1998 thru 05/24/1998	n/a	Illinois River	western portion of county	23.74 ft. 05/13/1998				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
01/27/1999 thru 02/08/1999	n/a	Illinois River	western portion of county	20.12 ft. 01/31/1999				n/a	n/a	n/a	n/a	
04/23/1999 thru 05/08/1999	n/a	Illinois River	western portion of county	20.32 ft. 04/29/1999				n/a	n/a	n/a	n/a	
05/17/1999 thru 05/23/1999	n/a	Illinois River	western portion of county	18.52 ft. 05/19/1999				n/a	n/a	n/a	n/a	
02/11/2001 thru 03/09/2001	n/a	Illinois River	western portion of county	20.89 ft. 03/01/2001				n/a	n/a	n/a	n/a	
05/12/2002 thru 06/02/2002	n/a	Illinois River, Mackinaw River	countywide	25.25 ft. 05/18/2002				n/a	n/a	n/a	n/a	
06/03/2004 thru 06/07/2004	n/a	Illinois River	western portion of county	18.50 ft. 06/05/2004				n/a	n/a	n/a	n/a	
06/15/2004 thru 06/21/2004	n/a	Illinois River	western portion of county	19.20 ft. 06/18/2004				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
12/10/2004 thru 12/15/2004	n/a	Illinois River	western portion of county	18.78 ft. 12/13/2004				n/a	n/a	n/a	n/a	
01/13/2005 thru 01/30/2005	n/a	Illinois River	western portion of county	24.36 ft. 01/18/2005				n/a	n/a	n/a	n/a	
12/25/2006 thru 12/31/2006	n/a	Illinois River	western portion of county	18.72 ft. 12/27/2006				n/a	n/a	n/a	n/a	
01/07/2007 thru 01/22/2007	n/a	Illinois River	western portion of county	19.02 ft. 01/09/2007				n/a	n/a	n/a	n/a	
03/03/2007 thru 03/11/2007	n/a	Illinois River	western portion of county	19.90 ft. 03/05/2007				n/a	n/a	n/a	n/a	
03/24/2007 thru 04/09/2007	n/a	Illinois River	western portion of county	22.28 ft. 03/29/2007				n/a	n/a	n/a	n/a	
04/29/2007 thru 05/05/2007	n/a	Illinois River	western portion of county	19.19 ft. 05/01/2007				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
08/25/2007 thru 09/05/2007	n/a	Illinois River	western portion of county	22.32 ft. 08/29/2007				n/a	n/a	n/a	n/a	
01/10/2008 thru 01/24/2008	n/a	Illinois River	western portion of county	23.09 ft. 01/15/2008				n/a	n/a	n/a	n/a	
02/09/2008 thru 03/11/2008	n/a	Illinois River	western portion of county	21.64 ft. 02/20/2008				n/a	n/a	n/a	n/a	
09/15/2008 thru 10/04/2008	n/a	Illinois River	western portion of county	27.06 ft. 09/20/2008				n/a	n/a	n/a	n/a	
12/29/2008 thru 01/13/2009	n/a	Illinois River	western portion of county	23.67 ft. 01/02/2009				n/a	n/a	n/a	n/a	
03/02/2009 thru 06/06/2009	n/a	Illinois River	western portion of county	27.94 ft. 03/14/2009 6th highest crest on record				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
11/01/2009 thru 11/11/2009	n/a	Illinois River	western portion of county	21.12 ft. 11/04/2009				n/a	n/a	n/a	n/a	
12/28/2009 thru 01/03/2010	n/a	Illinois River	western portion of county	19.55 ft. 12/31/2009				n/a	n/a	n/a	n/a	
03/15/2010 thru 03/26/2010	n/a	Illinois River	western portion of county	20.06 ft. 03/20/2010				n/a	n/a	n/a	n/a	
06/20/2010 thru 07/08/2010	n/a	Illinois River	western portion of county	22.89 ft. 06/28/2010				n/a	n/a	n/a	n/a	
03/02/2011 thru 03/16/2011	n/a	Illinois River	western portion of county	19.15 ft. 03/10/2011				n/a	n/a	n/a	n/a	
04/24/2011 thru 05/12/2011	n/a	Illinois River	western portion of county	22.79 ft. 05/01/2011				n/a	n/a	n/a	n/a	
05/27/2011 thru 06/29/2011	n/a	Illinois River	western portion of county	22.04 ft. 06/02/2011				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
03/14/2013 thru 03/18/2013	n/a	Illinois River	western portion of county	18.86 ft. 03/16/2013				n/a	n/a	n/a	n/a	
04/18/2013 thru 04/22/2013	11:00 PM	area rivers, streams & creeks	western & northern portions of county	n/a			X	n/a	n/a	n/a	n/a	- very heavy rainfall produced 3 to 5 inches of rain causing both flash flooding & general flooding - nearly every road in the flooded area was impassable, including parts of Interstate 74 - most of the creeks and streams stayed in flood and most roads remained closed until the afternoon of the 22nd
04/18/2013 thru 05/15/2013	n/a	Illinois River	western portion of county	29.35 ft. 04/23/2013 Flood of Record	X	X		n/a	n/a	\$21,700,000	n/a	<i>This event is part of a federally-declared disaster (Declaration #4116)</i> several homes and businesses along the Illinois River suffered damage due to record river levels
05/30/2013 thru 06/18/2013	n/a	Illinois River	western portion of county	22.66 ft. 06/05/2013				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
03/15/2014 thru 03/24/2014	n/a	Illinois River	western portion of county	19.30 ft. 03/17/2014				n/a	n/a	n/a	n/a	
07/02/2014 thru 07/08/2014	n/a	Illinois River	western portion of county	19.38 ft. 07/05/2014				n/a	n/a	n/a	n/a	
06/14/2015 thru 07/31/2015	n/a	Illinois River	western portion of county	27.09 ft. 06/30/2015 10th highest crest on record				n/a	n/a	n/a	n/a	
12/27/2015 thru 01/20/2016	n/a	Illinois River	western portion of county	26.49 ft. 01/03/2016				n/a	n/a	n/a	n/a	
04/04/2017 thru 04/22/2017	n/a	Illinois River	western portion of county	21.30 ft. 04/11/2017				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
04/29/2017 thru 04/30/2017	10:45 PM	area rivers, streams & creeks	western portion of county				X	n/a	n/a	n/a	n/a	- heavy rainfall of 2.5 to 4 inches in a two-hour period during the evening on already saturated ground caused both flash flooding & general flooding - numerous streets in Pekin and East Peoria were impassable as well as numerous rural roads and highways in the county, including parts of IL Route 29 from Green Valley to South Pekin - an additional 0.5 to 1 inch during the early morning hours of the 30th kept many roads flooded - flood waters subsided by early afternoon on the 30th
05/01/2017 thru 05/27/2017	n/a	Illinois River	western portion of county	23.48 ft. 05/05/2017				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
06/17/2017 thru 06/18/2017	10:45 PM	area rivers, streams & creeks	northern portion of county				X	n/a	n/a	n/a	n/a	- torrential rainfall of 2 to 3 inches in 90 minutes caused both flash flooding & general flooding - some streets in Washington were flooded - US Route 24 from Washington to the County Line was impassable as well as portions of Dec-Mac Road - additional rainfall during the late evening/early morning hours kept many roads flooded - flood waters subsided by daybreak on the 18th
02/22/2018 thru 03/16/2018	n/a	Illinois River	western portion of county	25.37 ft. 02/27/2018				n/a	n/a	n/a	n/a	
06/26/2018 thru 06/28/2018	n/a	Illinois River	western portion of county	18.30 ft. 06/27/2018				n/a	n/a	n/a	n/a	
02/09/2019 thru 03/02/2019	n/a	Illinois River	western portion of county	19.81 ft. 02/12/2019				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
03/15/2019 thru 03/25/2019	n/a	Illinois River	western portion of county	19.09 ft. 03/18/2019				n/a	n/a	n/a	n/a	
05/01/2019 thru 07/11/2019	n/a	Illinois River	western portion of county	28.00 ft. 05/07/2019 5th highest crest on record				n/a	n/a	n/a	n/a	
09/30/2019 thru 10/10/2019	n/a	Illinois River	western portion of county	20.42 ft. 10/02/2019				n/a	n/a	n/a	n/a	
11/01/2019 thru 11/10/2019	n/a	Illinois River	western portion of county	20.12 ft. 11/04/2019				n/a	n/a	n/a	n/a	
01/15/2020 thru 01/23/2020	n/a	Illinois River	western portion of county	18.86 ft. 01/19/2020				n/a	n/a	n/a	n/a	
05/01/2020 thru 06/09/2020	n/a	Illinois River	western portion of county	27.91 ft. 05/22/2020 7th highest crest on record				n/a	n/a	n/a	n/a	

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 4
General Flood Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Water Body	Location(s)	Magnitude Flood Crest Illinois River Peoria ¹	Impacts ²			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
					Home	Business	Infra-structure					
07/01/2021 thru 07/08/2021	n/a	Illinois River	western portion of county	20.02 ft. 07/03/2021				n/a	n/a	n/a	n/a	
10/30/2021 thru 11/06/2021	n/a	Illinois River	western portion of county	19.39 ft. 11/02/2021				n/a	n/a	n/a	n/a	
02/25/2022 thru 02/28/2022	n/a	Illinois River	western portion of county	18.52 ft. 02/26/2022				n/a	n/a	n/a	n/a	
04/04/2022 thru 04/14/2022	n/a	Illinois River	western portion of county	19.21 ft. 04/09/2022				n/a	n/a	n/a	n/a	
GRAND TOTAL:								0	0	\$25,581,000	\$8,250,000	

Sources: NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Data.

NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Events Database.

NOAA, National Weather Service, River Observations, North Central River Forecast Center, Illinois River at Peoria.

Tazewell & Woodford Counties Multi-Jurisdictional All Hazards Mitigation Planning Committee Member responses to the Natural Hazard Events Questionnaire.

United States Army Corps of Engineers, RiverGages.com, Data Mining.

¹ Flood stage at gauge location is 18.0 feet, moderate flood stage is 22.0 feet and major flood stage is 28.0 feet.

² An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a general flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

[§] The property damage total includes \$2.5 million, and the crop damage total includes \$250,000 from the 1974 flood event and represents losses sustained in Peoria, Tazewell and Woodford counties. A detailed breakdown by county was not available.

Table 5
Flash Flood Events Reported in Tazewell County
1990 - 2022

Date(s)	Start Time	Location(s)	Impacts ¹			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
			Home	Business	Infra-structure					
06/08/1990	1:00 AM	Morton Pekin				n/a	n/a	n/a	n/a	<i>this event was part of a federally-declared disaster (Declaration #871)</i>
06/20/1990	4:00 AM	countywide				n/a	n/a	n/a	n/a	<i>this event was part of a federally-declared disaster (Declaration #871)</i>
06/29/1990	8:30 AM	countywide				n/a	n/a	n/a	n/a	<i>this event was part of a federally-declared disaster (Declaration #871)</i>
08/15/1993	8:45 PM	countywide	X		X	n/a	n/a	n/a	n/a	numerous road and basements were flooded
08/23/1993	5:45 PM	countywide			X	n/a	n/a	n/a	n/a	street flooding occurred
05/18/2001	12:40 AM	countywide			X	n/a	n/a	n/a	n/a	numerous reports of flooded roads with the most extensive flooding occurring in Pekin, Delavan & Tremont <u>Tremont</u> IL Rte. 9 was covered with flowing floodwaters
06/06/2001	1:58 AM	Pekin			X	n/a	n/a	n/a	n/a	- flooding closed several roads/bridges that crossed a local drainage ditch - a few adjacent city roads were also closed
05/11/2002	11:00 AM	Washington	X		X	n/a	n/a	n/a	n/a	several roads and basements in the Deer Ridge Subdivision were flooded
07/09/2003	8:10 AM	Green Valley [^]			X	n/a	n/a	n/a	n/a	many streets and roads were flooded around the Green Valley area
05/18/2004	4:20 PM	East Peoria			X	n/a	n/a	n/a	n/a	- very heavy rainfall caused street flooding - one motorist was stranded on Washington St. with water up to the door of their car
05/30/2004	3:27 PM	Morton Pekin			X	n/a	n/a	n/a	n/a	numerous streets were flooded

[^] Flash flood event verified in the vicinity of this location(s).

¹ An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a flash flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

Table 5
Flash Flood Events Reported in Tazewell County
1990 - 2022

Date(s)	Start Time	Location(s)	Impacts ¹			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
			Home	Business	Infra-structure					
01/12/2005 thru 01/13/2005	9:30 PM	Minier [^]			X	n/a	n/a	n/a	n/a	Stringtown Road was closed west of the Village due to water flowing over the road
05/30/2008	2:10 PM	countywide			X	n/a	n/a	n/a	n/a	heavy rains caused flooding across many roads in the County
05/25/2010	1:00 PM	western portion of the county			X	n/a	n/a	n/a	n/a	many area roads were closed and vehicles stranded due to flowing water 6 to 12 inches deep <u>Delavan area</u> hardest hit area was along Springfield Rd. from the intersection of Muller Rd. to near Delavan <u>Tremont</u> most of the streets in the Village were flooded
06/23/2010	6:30 PM	western & northern portions of the county				n/a	n/a	n/a	n/a	many rural roads were impassable as well as portions of IL Rte. 9 & IL Rte. 29 <u>Pekin/East Peoria/Morton</u> many streets were flooded, causing vehicles to become stranded
05/13/2011	7:00 PM	eastern portion of the county			X	n/a	n/a	n/a	n/a	- many streets, rural roads and creeks were flooded - the most affected areas extended from Washington to east of Morton, through Mackinaw to just north of Hopedale
06/15/2011	1:00 AM	southwestern portion of the county			X	n/a	n/a	n/a	n/a	numerous rural roads were impassable

[^] Flash flood event verified in the vicinity of this location(s).

¹ An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a flash flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

Table 5
Flash Flood Events Reported in Tazewell County
1990 - 2022

Date(s)	Start Time	Location(s)	Impacts ¹			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
			Home	Business	Infra-structure					
06/21/2011 thru 06/22/2011	7:15 PM	northeastern portion of the county			X	n/a	n/a	n/a	n/a	several rural roads were impassable
04/17/2013 thru 04/18/2013	9:15 PM	western & northern portions of the county	X	X	X	n/a	n/a	\$31,400,000	n/a	this event was part of a federally-declared disaster (Declaration #4116) - very heavy rainfall of 3 to 5 inches resulted in damage to thousands of homes and businesses in the county, which included the cities of East Peoria, Pekin, Washington & Morton - every creek & stream in the western & northern part of the county was flooded - nearly every road in the flooded area was impassable, including parts of Interstate 74 which had to be closed - numerous water rescues were made - mudslides were also reported on the bluffs along the Illinois River which did damage to a gas station & covered US Rte. 150 with several inches of mud
05/30/2013 thru 05/31/2013	8:00 PM	eastern portion of the county			X	n/a	n/a	n/a	n/a	- many rural roads were flooded - greatest impact was from Hopedale to Minier
05/31/2013	3:40 PM	southern & eastern portions of the county			X	n/a	n/a	n/a	n/a	numerous roads were flooded and one vehicle rescue was made

[^] Flash flood event verified in the vicinity of this location(s).

¹ An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a flash flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

Table 5
Flash Flood Events Reported in Tazewell County
1990 - 2022

Date(s)	Start Time	Location(s)	Impacts ¹			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
			Home	Business	Infra-structure					
06/24/2013	4:30 AM	northern portion of the county			X	n/a	n/a	n/a	n/a	the main impact was the flooding of several rural roads north of US Rte. 24
06/07/2015 thru 06/08/2015	8:00 PM	countywide			X	n/a	n/a	n/a	n/a	<u>Pekin & East Peoria</u> many streets were impassable with water a foot deep in some spots <u>Tazewell/Logan County Line area</u> -biggest impacts were in the southern part of the County where the water was 3 to 4 feet deep -at least 2 water rescues had to be made for stranded motorists
06/26/2015	10:15 AM	southern portion of the county			X	n/a	n/a	n/a	n/a	numerous rural roads were impassable from south of Pekin through Hopedale and Delavan to the Spring Lake
06/28/2015	7:15 PM	southwestern portion of the county			X	n/a	n/a	n/a	n/a	rural roads were flooded in the Spring Lake area and near the Mason/Tazewell County line south of Parkland
07/16/2015 thru 07/17/2015	10:30 PM	central and southern portions of the county			X	n/a	n/a	n/a	n/a	- parts of Interstate 155 from mile post 15 to 22 were impassable - numerous rural roads were closed from South Pekin to Hopedale to Armington - flooding of these roads hampered rescue efforts in the immediate aftermath of the EF 2 tornado that hit Delavan

[^] Flash flood event verified in the vicinity of this location(s).

¹ An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a flash flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

Table 5
Flash Flood Events Reported in Tazewell County
1990 - 2022

Date(s)	Start Time	Location(s)	Impacts ¹			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
			Home	Business	Infra-structure					
08/12/2016	4:00 PM	southern & eastern portions of the county			X	n/a	n/a	\$240,000	n/a	- numerous roads were flooded including parts of Interstate 155 two to four miles north of the Tazewell/Logan County Line - cars which hydroplaned on the water-covered roads slid into ditches along the interstate - Parts of IL Rte. 122 were also impassable from Delavan through Hopedale to Minier
08/30/2016	8:30 AM	East Peoria Morton Washington			X	n/a	n/a	n/a	n/a	- numerous streets were flooded - several roads were closed for a short period of time - cars became stalled in the high water
04/29/2017	6:30 PM	western portion of the county			X	n/a	n/a	n/a	n/a	numerous rural roads and highways, including parts of IL Rte. 29 from Green Valley to South Pekin were impassable <u>Pekin & East Peoria</u> numerous streets were impassable
06/17/2017	8:30 PM	northern portion of the county			X	n/a	n/a	n/a	n/a	- parts of US Rte. 24 were impassable from Washington to the Tazewell/Woodford County Line - most of Dee-Mac Rd. was also flooded <u>Washington</u> some streets were flooded

[^] Flash flood event verified in the vicinity of this location(s).

¹ An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a flash flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

Table 5
Flash Flood Events Reported in Tazewell County
1990 - 2022

Date(s)	Start Time	Location(s)	Impacts ¹			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
			Home	Business	Infra-structure					
05/30/2018	7:30 AM	northwestern & central portion of the county			X	n/a	n/a	n/a	n/a	- numerous streets were impassable in Pekin and East Peoria, as were several county roads from west of Morton, through Tremont to Delavan - officials reported several manhole covers blown off in Pekin <u>Pekin Park District</u> Committee Member representing the Park District identified \$300,000 in damages to the tennis courts at Parkside Fitness due to flooding, the courts had to be replace and mold remediation performed
07/05/2018	6:00 PM	northeastern portion of the county			X	n/a	n/a	n/a	n/a	rural roads and city streets, primarily between East Peoria and Washington were impassable in spots
05/28/2019 thru 05/29/2023	9:00 PM	countywide			X	n/a	n/a	n/a	n/a	- multiple streets were flooded in Pekin, Washington and East Peoria with up to two feet of standing water - numerous rural roads were also impassable across much of the County
05/25/2020	7:35 PM	East Peoria			X	n/a	n/a	n/a	n/a	- one foot of water was standing on Camp Street, with several cars stalling in the high water - two feet of water was standing in front of UPS
07/09/2020	8:25 PM	Pekin			X	n/a	n/a	n/a	n/a	water was flowing across the road near the intersection of Summer Street and Winter Street in Pekin
07/15/2020	2:09 PM	Pekin			X	n/a	n/a	n/a	n/a	up to one foot of water was reported on many roadways

[^] Flash flood event verified in the vicinity of this location(s).

¹ An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a flash flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

Table 5
Flash Flood Events Reported in Tazewell County
1990 - 2022

Date(s)	Start Time	Location(s)	Impacts ¹			Injuries	Fatalities	Property Damages	Crop Damages	Impacts/ Event Description
			Home	Business	Infra-structure					
07/15/2020	4:45 PM	East Peoria Morton			X	n/a	n/a	\$1,250,000	n/a	- numerous roads were flooded with up to one foot of water in Morton - numerous roads were flooded with up to 1 foot of water in East Peoria <u>East Peoria Community High School District 309</u> - \$750,000 in damages was sustained by East Peoria High School when 3 inches of water inundated the main flood of the school and several thousand gallons of water swamped the basedment - \$500,00 in damages was sustaiend by the Eastside Center Stadium when the large retaining wall protecting the track & field bowl failed
10/07/2021	4:12 PM	Morton			X	n/a	n/a	n/a	n/a	- several inches of water flooded parts of West Jackson Street between Morton Avenue and Main Street - ponding of water occurred at the Nestle Plant parking lot and onto parts of Morton Avenue
08/02/2022	7:25 AM	Washington			X	n/a	n/a	n/a	n/a	there was significant ponding of water on roadways throughout Washington
08/20/2022	3:00 PM	Washington			X	n/a	n/a	n/a	n/a	6 to 15 inches of water reported over several roadways in Washington
GRAND TOTAL:						0	0	\$32,890,000	\$0	

Sources: Iowa State University, Iowa Environmental Mesonet, National Weather Service Data, Search for Warnings.

NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Data.

NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Events Database.

[^] Flash flood event verified in the vicinity of this location(s).

¹ An "X" in the columns of Home, Business and Infrastructure indicates impacts occurred to those structure/infrastructure types during a flash flood event. A detailed description of the type and magnitude of the impacts are included in the Impacts/Event Description column if available.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
02/08/1951	2:00 AM	Heavy Snow	6.0 in.					COOP	n/a	n/a	n/a	
11/06/1951	6:00 AM	Heavy Snow	8.0 in.					COOP	n/a	n/a	n/a	
03/03/1954	n/a	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
01/21/1959 thru 01/22/1959	n/a	Heavy Snow	10.2 in.					COOP	n/a	n/a	n/a	
02/20/1960 thru 02/21/1960	3:30 PM	Heavy Snow	5.6 in.					COOP	n/a	n/a	n/a	
03/15/1960 thru 03/16/1960	9:00 PM	Heavy Snow	8.0 in.					COOP	n/a	n/a	n/a	
02/02/1961 thru 02/03/1961	3:30 PM	Heavy Snow	5.1 in.					COOP	n/a	n/a	n/a	
01/05/1962 thru 01/06/1962	11:00 AM	Winter Storm	5.0 in.		X	X		COOP	n/a	n/a	n/a	
01/14/1962	10:30 AM	Heavy Snow	5.1 in.					COOP	n/a	n/a	n/a	
02/23/1963	9:00 AM	Heavy Snow	4.5 in.					COOP	n/a	n/a	n/a	
01/12/1964	2:00 AM	Winter Storm	5.0 in.				X	COOP	n/a	n/a	n/a	drifting with some roads blocked
12/02/1964	11:00 AM	Heavy Snow	4.5 in.					COOP	n/a	n/a	n/a	

¹ An “X” in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS’s COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center’s cli-MATE data system, NOAA’s Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
02/23/1965 thru 02/24/1965	5:00 PM	Winter Storm	5.0 in.				X	COOP	n/a	n/a	n/a	highways slick; drifting blocked highways
03/03/1965 thru 03/04/1965	10:00 PM	Heavy Snow	6.2 in.					COOP	n/a	n/a	n/a	
03/23/1965	12:00 AM	Winter Storm	4.0 in.	X	X	X		COOP	n/a	n/a	n/a	highways slick
01/26/1967 thru 01/27/1967	3:00 AM	Winter Storm	12.0 in.			X	X	COOP	n/a	n/a	n/a	roads blocked
12/06/1969 thru 12/07/1969	8:00 PM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
2/8/1970 thru 2/9/1970	7:30 PM	Heavy Snow	4.5 in.					COOP	n/a	n/a	n/a	
03/25/1970	8:30 AM	Heavy Snow	6.0 in.					COOP	n/a	n/a	n/a	
01/03/1971	4:00 AM	Heavy Snow	6.0 in.					COOP	n/a	n/a	n/a	
03/29/1972	12:00 AM	Heavy Snow	8.0 in.					COOP	n/a	n/a	n/a	
12/18/1973 thru 12/19/1973	7:00 AM	Heavy Snow	11.5 in.					COOP	n/a	n/a	n/a	
11/13/1974	9:30 PM	Heavy Snow	6.0 in.					COOP	n/a	n/a	n/a	
12/01/1974	1:00 AM	Heavy Snow	4.5 in.					COOP	n/a	n/a	n/a	

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
12/18/1974	7:00 PM	Heavy Snow	4.5 in.					COOP	n/a	n/a	n/a	
11/26/1975	8:00 AM	Heavy Snow	7.5 in.					COOP	n/a	n/a	n/a	blowing snow
01/13/1976	9:00 AM	Heavy Snow	5.5 in.					COOP	n/a	n/a	n/a	
11/27/1977	12:30 AM	Heavy Snow	5.0 in.					COOP	n/a	n/a	n/a	
02/13/1978	3:00 AM	Heavy Snow	6.5 in.					COOP	n/a	n/a	n/a	drifting snow, roads closed
12/07/1978	n/a	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
01/01/1979	3:00 AM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
01/13/1979	12:30 AM	Heavy Snow	12.5 in.					COOP	n/a	n/a	n/a	
03/09/1979	5:00 AM	Heavy Snow	4.5 in.					COOP	n/a	n/a	n/a	
04/14/1980	1:00 AM	Heavy Snow	8.0 in.					COOP	n/a	n/a	n/a	
11/27/1980	3:00 AM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
01/06/1981	12:00 AM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
02/10/1981	12:00 AM	Winter Storm	9.0 in.	X				COOP	n/a	n/a	n/a	
12/16/1981	12:00 PM	Heavy Snow	5.6 in.					COOP	n/a	n/a	n/a	
12/27/1981 thru 12/28/1981	11:00 PM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
01/31/1982	4:00 AM	Heavy Snow	5.0 in.					COOP	n/a	n/a	n/a	
03/03/1982 thru 03/04/1982	7:00 PM	Winter Storm	4.0 in.	X	X	X		COOP	n/a	n/a	n/a	
04/05/1982	10:00 AM	Heavy Snow	4.5 in.					COOP	n/a	n/a	n/a	
04/08/1982	7:00 AM	Heavy Snow	5.0 in.					COOP	n/a	n/a	n/a	

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
03/20/1983	3:00 AM	Heavy Snow	7.0 in.					COOP	n/a	n/a	n/a	
12/21/1983	10:00 AM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
02/10/1985	6:00 PM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
02/06/1986	7:00 PM	Heavy Snow	4.5 in.					COOP	n/a	n/a	n/a	
02/20/1986 thru 02/21/1986	7:30 PM	Heavy Snow	6.0 in.					COOP	n/a	n/a	n/a	
02/23/1986	8:30 AM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
01/09/1987	9:30 AM	Heavy Snow	7.0 in.					COOP	n/a	n/a	n/a	
01/19/1987	3:00 AM	Heavy Snow	10.0 in.					COOP	n/a	n/a	n/a	
12/14/1987 thru 12/15/1987	8:00 PM	Heavy Snow	8.0 in.					COOP	n/a	n/a	n/a	
02/10/1988 thru 02/11/1988	9:00 AM	Heavy Snow	7.0 in.					COOP	n/a	n/a	n/a	
02/05/1989	7:00 AM	Heavy Snow	6.5 in.					COOP	n/a	n/a	n/a	
01/13/1992	4:00 PM	Heavy Snow	5.5 in.					COOP	n/a	n/a	n/a	
01/15/1992	7:00 AM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
02/15/1993 thru 02/16/1993	7:00 PM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
02/25/1994	5:00 AM	Heavy Snow	7.0 in.					COOP	n/a	n/a	n/a	

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
12/08/1995 thru 12/09/1995	7:00 AM	Winter Storm	5.0 in.				30 mph	COOP	n/a	n/a	n/a	- considerable blowing & drifting snow, especially in open spaces - brisk winds & temperatures near zero created wind chills as low as -45°F
12/18/1995 thru 12/19/1995	7:00 PM	Heavy Snow	6.0 in.	X			30 mph	SED	n/a	n/a	n/a	- numerous accidents were reported - numerous power lines knocked down due to freezing rain & strong winds - considerable blowing & drifting of snow closed some roads
01/04/1996	3:00 AM	Winter Storm	7.0 in.					SED	n/a	n/a	n/a	numerous minor accidents were reported across the area
01/18/1996 thru 01/19/1996	10:00 AM	Winter Storm	X		X		35 mph	SED	n/a	n/a	n/a	- numerous power outages & minor accidents - gusty winds created wind chills near -40°F

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
01/15/1997 thru 01/17/1997	3:00 AM	Winter Storm	2.5 in.				30 mph	COOP SED	n/a	n/a	n/a	- after the snow stopped the winds picked up causing near whiteout conditions - strong winds & cold temperatures caused wind chill readings to dip well below -40°F - numerous accidents were reported
01/24/1997	7:00 AM	Winter Storm	1.0 in.	X		X		COOP SED	n/a	n/a	n/a	numerous accidents were reported
01/26/1997 thru 01/27/1997	5:00 AM	Winter Storm	6.0 in.					COOP SED	n/a	n/a	n/a	numerous accidents were reported
04/10/1997 thru 04/11/1997	11:00 AM	Heavy Snow	7.0 in.					COOP SED	2	n/a	n/a	- numerous trees, tree branches & power lines collapsed due to the weight of the heavy, wet snow with some causing damage to vehicles & homes - numerous accidents occurred throughout the area with a few minor injuries reported
01/14/1998	6:00 AM	Winter Storm	X	X	X	X		SED	n/a	n/a	n/a	several traffic accidents were reported across the area

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
03/08/1998 thru 03/09/1998	10:00 PM	Winter Storm	3.4 in.				50 mph	COOP SED	n/a	n/a	n/a	- numerous traffic accidents were reported with dozens of minor injuries - gusty winds created near white-out conditions
01/01/1999 thru 01/03/1999	12:00 PM	Heavy Snow	16.0 in.					COOP SED	n/a	n/a	n/a	- after the snowfall winds increased from the northwest and temperatures dropped, causing dangerous wind chills and treacherous driving conditions with extensive blowing and drifting snow - the weight of the heavy snow caused many roofs and porches to collapse - many locations sustained temporary or extended power outages Pekin - a storage building roof collapsed
03/08/1999 thru 03/09/1999	12:00 PM	Heavy Snow	9.0 in.					SED	n/a	n/a	n/a	dozens of accidents occurred throughout the area with numerous minor injuries
01/19/2000	11:30 AM	Winter Storm	4.1 in.			X		COOP	n/a	n/a	n/a	

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
02/17/2000	11:00 PM	Ice Storm	in.		≤0.5 in.			SED	n/a	n/a	n/a	- numerous reports of downed power lines & tree limbs - extended power outage & traffic accidents were reported
12/11/2000	3:00 AM	Winter Storm	8.0 in.	X		X	35 mph	COOP SED	n/a	n/a	n/a	- northwest winds produced considerable blowing & drifting snow along with wind chills of -30°F to -40°F - numerous minor vehicle accidents were reported
01/25/2001	5:00 AM	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
12/13/2001	3:00 AM	Heavy Snow	4.6 in.					COOP	n/a	n/a	n/a	
01/30/2002 thru 01/31/2002	10:00 AM	Ice Storm		X	≤0.75 in.	X		COOP SED	n/a	n/a	n/a	some tree damage & power outages
03/25/2002	5:00 AM	Winter Storm	4.0 in.				X	SED	n/a	n/a	n/a	significant blowing & drifting snow created near whiteout conditions
12/24/2002	n/a	Heavy Snow	4.2 in.					COOP	n/a	n/a	n/a	
02/14/2003 thru 02/15/2003	7:00 PM	Winter Storm	6.3 in.			X	50 mph	COOP SED	n/a	n/a	n/a	winds caused major blowing & drifting of snow, with drifts as high as 3 to 5 feet
03/15/2004	10:00 AM	Heavy Snow	4.5 in.					COOP	n/a	n/a	n/a	

¹ An “X” in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS’s COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center’s cli-MATE data system, NOAA’s Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
11/24/2004	3:00 PM	Winter Storm	7.4 in.				30 mph	COOP SED	n/a	1	n/a	- sustained winds with gust of 40 to 50 mph caused considerable blowing & drifting - the high winds & weight of the wet snow downed numerous trees & power lines - traffic accidents resulted in numerous injuries - one fatality was reported as the result of a traffic accident
01/05/2005 thru 01/06/2005	1:00 PM	Ice Storm		X	≤0.5 in.	X		COOP SED	n/a	n/a	n/a	numerous reports of downed trees & power lines as well as traffic accidents
03/21/2006	12:00 AM	Heavy Snow	5.0 in.					COOP	n/a	n/a	n/a	
11/30/2006 thru 12/01/2006	7:30 AM	Winter Storm	12.0 in.	X	X	X		COOP SED	n/a	n/a	n/a	<i>This event was part of a state-declared disaster</i> - considerable tree & power line damage was caused by ice and heavy snow - the power was not restored across some locales for several days - snow- & ice-covered roads resulted in numerous vehicular accidents

¹ An “X” in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS’s COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center’s cli-MATE data system, NOAA’s Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
01/12/2007 thru 01/13/2007	3:00 PM	Ice Storm			≤0.5			COOP SED	n/a	n/a	n/a	- modest tree limb & power line damage was reported - numerous vehicle accidents occurred
02/13/2007	1:00 AM	Blizzard	8.0. in.				45 mph	COOP SED	n/a	n/a	n/a	many locations reported snow drifts of 3 to 6 feet, prompting the closure of several area roads
02/24/2007	11:00 AM	Ice Storm		X	X	X		COOP SED	n/a	n/a	n/a	
12/01/2007	9:00 AM	Ice Storm		X	0.25 in.			COOP SED	n/a	n/a	n/a	numerous power outages & minor vehicle accidents occurred
12/08/2007 thru 12/09/2007	2:00 PM	Ice Storm		X	0.50 in.			COOP SED	n/a	n/a	n/a	- tree & power line damage occurred - many vehicle accidents were reported
12/16/2007	n/a	Heavy Snow	5.0 in.					COOP	n/a	n/a	n/a	
01/31/2008 thru 02/01/2008	2:00 PM	Heavy Snow	10.5. in.					COOP SED	n/a	n/a	n/a	

¹ An “X” in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS’s COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center’s cli-MATE data system, NOAA’s Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
11/30/2008 thru 12/01/2008	12:00 AM	Heavy Snow	7.7. in.					COOP SED	n/a	2	n/a	- two people were killed in a car accident near Tremont due to snow/ice covered roads - gusty northwesterly winds caused considerable blowing & drifting
12/18/2008 thru 12/19/2008	8:00 PM	Ice Storm			≤0.75 in.			SED	n/a	n/a	\$250,000	
01/13/2009	11:00 AM	Heavy Snow	4.6. in.					COOP	n/a	n/a	n/a	
03/28/2009	12:00 PM	Heavy Snow	5.7. in.					COOP	n/a	n/a	n/a	
01/06/2010 thru 01/07/2010	7:30 PM	Winter Storm	5.9. in.				X	COOP SED	n/a	n/a	n/a	gusty northwesterly wind created considerable blowing & drifting across the area

¹ An “X” in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS’s COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center’s cli-MATE data system, NOAA’s Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
01/20/2010 thru 01/21/2010	7:00 AM	Ice Storm		X	0.25 in.		30 mph	AMRN COOP SED	1	1	n/a	Ameren (Regional information, including Tazewell County) - 50,000 customers were without power for up to 3 days - 170 wires downed - 70 poles replaced - 13 service lines to individual customers damaged - 25 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 488 Ameren personnel responded to the event - numerous traffic accidents were reported - one individual was killed when they lost control of their vehicle and slid into an oncoming semi
12/12/2010 thru 12/13/2010	7:00 AM	Blizzard	2.7 in.				35 mph	COOP SED	n/a	n/a	n/a	- strong northwesterly winds gusting over 50 mph at times created white-out conditions - wind chill values plunged well below zero

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
12/24/2010 thru 12/25/2010	11:00 AM	Heavy Snow	5.4 in.					COOP SED	n/a	n/a	n/a	numerous traffic accidents were reported on Christmas Eve
01/11/2011	7:00 AM	Heavy Snow	4.3 in.					AMRN COOP SED	n/a	n/a	n/a	<i>Ameren (Regional information, including Tazewell County)</i> - 110,000 customers were without power for up to 5 days - 35 wires downed - 76 poles replaced - 42 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 9 service lines to individual customers damaged
02/01/2011 thru 02/02/2011	11:00 AM	Blizzard	13.6 in.	X		X	60 mph	AMRN COOP SED	n/a	n/a	\$400,000	<i>This event was part of a federally-declared disaster (Declaration #1960)</i> - event created nearly impossible travel conditions at times and resulted in multiple accidents & injuries across the region - numerous county highways & several interstates were closed including I-74 & I-155

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
												- all schools were closed for at least 3 days - tree limbs were blown down & several homes lost shingles <u>Ameren (Regional information, including Tazewell County)</u> - 14,000 customers were without power for up to 3 days - 1,964 wires downed, 104 poles replaced & 470 service lines to individual customers damaged - 718 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 1,144 Ameren personnel responded to the event
1/12/2012 thru 1/13/2012	3:00 AM	Winter Storm	5.0 in.					COOP SED	n/a	1	n/a	- numerous traffic accidents occurred - a 62-year-old man died of cardiac arrest at his home in Morton after shoveling snow

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
12/20/2012	1:30 PM	Blizzard	2.5 in.				50 mph	AMRN COOP SED	n/a	n/a	n/a	Ameren (Regional information, including Tazewell County) - 78,000 customers were without power for 2 days - 1,017 wires downed - 183 poles replaced - 191 service lines to individual customers damaged - 499 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 1,803 Ameren personnel responded to the event - numerous traffic accidents were reported across the county - several accidents were reported on I-155 southeast of Delavan
03/24/2013	4:00 AM	Heavy Snow	10.7 in.					COOP SED	n/a	n/a	n/a	- many area schools & businesses were closed - conditions led to numerous traffic accidents
12/13/2013 thru 12/14/2013	5:00 PM	Heavy Snow	8.8 in.					COOP SED	n/a	n/a	n/a	numerous traffic accidents were reported

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
12/21/2013 thru 12/22/2013	8:00 PM	Ice Storm		≤0.25 in.				SED	n/a	n/a	n/a	
01/05/2014	3:00 AM	Heavy Snow	9.4 in.				X	COOP SED	n/a	n/a	n/a	- significant blowing & drifting caused numerous road closures and traffic accidents across the County - many schools, businesses & churches were closed
02/01/2014	3:00 AM	Winter Storm	5.8 in.	X	0.20 in.	X		COOP SED	n/a	n/a	n/a	numerous traffic accidents were reported
02/17/2014	8:00 AM	Winter Storm	3.4 in.	X	X	X		AMRN COOP SED	n/a	n/a	n/a	<i>Ameren (Regional information, including Tazewell County)</i> - 48,827 customers were without power for up to 2 days - 483 wires downed - 80 poles replaced - 184 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 151 service lines to individual customers damaged - 3,252 Ameren personnel responded to the event

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
01/05/2015	4:00 PM	Heavy Snow	5.3 in.					COOP	n/a	n/a	n/a	
02/01/2015	4:00 AM	Heavy Snow	6.3 in.					COOP SED	n/a	n/a	n/a	numerous traffic accidents occurred
02/05/2015	n/a	Heavy Snow	4.0					COOP	n/a	n/a	n/a	
12/28/2015	5:30 AM	Ice Storm			in.		55 mph	COOP SED	n/a	n/a	\$1,200,000	- ice combined with wind gusts caused extensive damage to trees, power poles & power lines - several homes were damaged by falling trees and tree branches <i>Ameren (Regional information, including Tazewell County)</i> - 192,000 customers were without power for up to 3.5 days - 1,969 wires downed - 475 poles replaced - 882 service lines to individual customers damaged - 939 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 1,526 Ameren personnel responded to the event
03/13/2017	12:00 AM	Heavy Snow	4.0 in.		≤0.25			COOP	n/a	n/a	n/a	

¹ An “X” in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS’s COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center’s cli-MATE data system, NOAA’s Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
03/23/2018 thru 03/24/2018	11:00 PM	Heavy Snow	8.3 in.					SED	n/a	n/a	\$ 60,000	- a warehouse roof collapsed under the weight of the wet snow in Washington - numerous traffic accidents were reported due to snow-covered roads
01/11/2019 thru 01/13/2019	11:00 PM	Heavy Snow	12.0 in.					SED	n/a	n/a	n/a	numerous traffic accidents occurred due to snow-covered roads
01/19/2019	1:00 AM	Winter Storm	2.5 in.				30 mph	SED	n/a	n/a	n/a	- northerly winds created snow drifts 1 to 3 feet deep - numerous traffic accidents occurred and vehicles became stuck in drifts, especially on rural roads
04/15/2019	n/a	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	
12/16/2019	n/a	Heavy Snow	4.0 in.					COOP	n/a	n/a	n/a	

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
01/01/2021	6:00 AM	Ice Storm			0.40 in.			SED	n/a	n/a	n/a	heavy ice accumulation snapped many tree branches, caused scattered power outages, and created slick and hazardous travel conditions <u>Ameren (Regional information, including Tazewell County)</u> - 14,966 customers were without power for up to 6 days - 240 wires downed - 63 poles replaced - 123 tree orders received for trees/tree limbs that either fell on a line and caused an outage or were on a line and had to be removed - 1,296 Ameren personnel responded to the event
02/14/2021 thru 02/16/2021	4:00 PM	Heavy Snow	6.8 in.					COOP SED	n/a	n/a	n/a	numerous traffic accidents occurred due to snow-covered and hazardous roads
02/01/2022 thru 02/03/2022	11:00 PM	Winter Storm	10.0 in.				X	SED	n/a	n/a	n/a	heavy snow accumulations and considerable blowing and drifting snow led to road closures and numerous traffic accidents

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 6
Severe Winter Storm Events Reported in Tazewell County
1950 - 2022

Date(s)	Start Time	Event Type	Magnitude ¹					Observed Location(s) ²	Injuries	Fatalities	Property Damages	Impacts/ Event Description
			Snow (inches)	Freezing Rain (inches)	Ice (inches)	Sleet (Inches)	Strong Wind (mph)					
02/17/2022	10:00 AM	Heavy Snow	9.5 in.					SED	n/a	n/a	n/a	falling and blowing snow led to hazardous driving conditions and numerous traffic accidents across the area
03/11/2022	n/a	Heavy Snow	4.1 in.					COOP	n/a	n/a	n/a	
12/22/2022 thru 12/23/2022	7:00 AM	Winter Storm	2.0 in.				40 mph	COOP SED	n/a	n/a	n/a	numerous traffic accidents occurred as roads became snow-covered and hazardous
GRAND TOTAL:									3	5	\$ 1,910,000	

Sources: NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Cooperative Observation Forms.
 NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Events Database.
 Tony O'Neal, Emergency Response Specialist - Illinois Crisis Management, Ameren Illinois.

¹ An "X" in the snow, freezing rain, ice, sleet and/or strong winds columns indicates the presences of that weather condition during the severe winter storm event.

² Observed Location information was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in the Midwestern Regional Climate Center's cli-MATE data system, NOAA's Storm Events Database, and weather records from Ameren.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
07/12/1995 thru 07/15/1995	n/a	102 °F	74 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
07/29/1995 thru 08/01/1995	n/a	94 °F	70 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
08/11/1995 thru 08/30/1995	n/a	96 °F	69 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
05/19/1996	n/a	93 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
06/29/1996	n/a	94 °F	69 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/18/1996	n/a	95 °F	75 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
08/05/1996 thru 08/06/1996	n/a	92 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
06/23/1997 thru 06/24/1997	n/a	95 °F	71 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/13/1997	n/a	97 °F	72 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/25/1997 thru 07/27/1997	n/a	100 °F	69 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	- numerous reports of heat-related injuries in most area hospitals - numerous reports of roads buckling

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
06/24/1998 thru 06/26/1998	n/a	96 °F	70 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	- several heat-relatd illnesses were reported in area hospitals - several highways in the area had sections of roadway buckle
07/19/1998 thru 07/21/1998	n/a	96 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
08/23/1998 thru 08/24/1998	n/a	93 °F	69 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
09/26/1998	n/a	93 °F	69 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/03/1999 thru 07/05/1999	n/a	93 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/16/1999	n/a	97 °F	70 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
07/19/1999 thru 07/30/1999	n/a	101 °F	65 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
06/18/2001	n/a	93 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/07/2001	n/a	95 °F	73 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/17/2001	n/a	93 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
07/20/2001 thru 07/24/2001	n/a	96 °F	69 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/30/2001 thru 08/01/2001	n/a	93 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
08/08/2001	n/a	94 °F	69 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
06/24/2002	n/a	94 °F	72 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
06/30/2002	n/a	92 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/20/2002 thru 07/21/2002	n/a	97 °F	73 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/31/2002 thru 08/01/2002	n/a	93 °F	70 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
08/04/2002	n/a	94 °F	73 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/03/2003 thru 07/06/2003	n/a	96 °F	69 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
06/07/2005	n/a	95 °F	70 °F	n/a	Minonk	n/a	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
06/23/2005 thru 06/29/2005	n/a	98 °F	65 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/17/2005	n/a	96 °F	74 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/23/2005 thru 07/25/2005	n/a	105 °F	73 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
08/02/2005 thru 08/03/2005	n/a	94 °F	71 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
08/09/2005 thru 08/10/2005	n/a	96 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
08/20/2005	n/a	92 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
05/27/2006 thru 05/28/2006	n/a	94 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
06/16/2006	n/a	92 °F	71 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
06/21/2006	n/a	93 °F	70 °F	n/a	Congerville	n/a	n/a	n/a	n/a	
07/15/2006 thru 07/17/2006	n/a	98 °F	71 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
07/28/2006 thru 08/01/2006	n/a	98 °F	70 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
10/03/2006	n/a	93 °F	70 °F	n/a	Congerville	n/a	n/a	n/a	n/a	
06/16/2007	n/a	96 °F	76 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
08/05/2007 thru 08/07/2007	n/a	96 °F	70 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
08/21/2007 thru 08/23/2007	n/a	93 °F	70 °F	n/a	Congerville	n/a	n/a	n/a	n/a	
09/24/2007	n/a	93 °F	70 °F	n/a	Congerville	n/a	n/a	n/a	n/a	
06/22/2009 thru 06/25/2009	n/a	97 °F	68 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
08/08/2009	n/a	90 °F	74 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
06/26/2007	n/a	91 °F	71 °F	100 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/04/2010 thru 07/07/2010	n/a	92 °F	68 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/14/2010	n/a	94 °F	77 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
07/17/2010	n/a	94 °F	70 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/21/2010 thru 07/23/2010	n/a	94 °F	71 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
08/03/2010 thru 08/04/2010	n/a	95 °F	69 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
08/08/2010 thru 08/13/2010	n/a	94 °F	69 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
06/06/2011 thru 06/07/2011	n/a	95 °F	72 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/01/2011	n/a	91 °F	75 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/10/2011 thru 07/11/2011	n/a	95 °F	69 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/17/2011 thru 07/23/2011	n/a	101 °F	73 °F	115 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/27/2011 thru 07/28/2011	n/a	93 °F	70 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
08/01/2011 thru 08/02/2011	n/a	94 °F	72 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
09/01/2011 thru 09/02/2011	n/a	100 °F	68 °F	107 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
05/26/2012 thru 05/27/2012	n/a	96 °F	70 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
06/28/2012 thru 06/29/2012	n/a	102 °F	68 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/02/2012 thru 07/06/2012	n/a	106 °F	68 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/16/2012 thru 07/18/2012	n/a	103 °F	70 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/22/2012 thru 07/25/2012	n/a	103 °F	67 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/17/2013 thru 07/19/2013	n/a	96 °F	71 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
08/26/2013 thru 08/28/2013	n/a	96 °F	68 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
08/30/2013 thru 08/31/2013	n/a	99 °F	67 °F	n/a	Congerville	n/a	n/a	n/a	n/a	
08/24/2014 thru 08/25/2014	n/a	95 °F	67 °F	108 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/17/2015 thru 07/18/2015	n/a	92 °F	72 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
09/01/2015 thru 09/07/2015	n/a	95 °F	68 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
06/10/2016 thru 06/11/2016	n/a	96 °F	70 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
06/13/2016 thru 06/15/2016	n/a	94 °F	70 °F	n/a	Congerville	n/a	n/a	n/a	n/a	
07/20/2016 thru 07/24/2016	n/a	95 °F	69 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
08/11/2016	n/a	93 °F	73 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
09/06/2016	n/a	93 °F	73 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
06/11/2017 thru 06/13/2017	n/a	96 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/06/2017	n/a	94 °F	72 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/19/2017 thru 07/21/2017	n/a	96 °F	68 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
09/21/2017 thru 09/22/2017	n/a	95 °F	69 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
05/27/2018 thru 05/28/2018	n/a	97 °F	71 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
06/16/2018 thru 06/19/2018	n/a	94 °F	70 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
06/29/2018 thru 06/30/2018	n/a	94 °F	74 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/03/2018 thru 07/04/2018	n/a	93 °F	72 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
08/04/2018 thru 08/05/2018	n/a	93 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
08/25/2018 thru 08/27/2018	n/a	94 °F	70 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
09/02/2018 thru 09/04/2018	n/a	95 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
09/28/2018	n/a	96 °F	72 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
06/29/2019 thru 07/01/2019	n/a	96 °F	67 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/13/2019 thru 07/14/2019	n/a	94 °F	69 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/17/2019 thru 07/20/2019	n/a	95 °F	71 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
06/08/2020	n/a	93 °F	72 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
06/26/2020	n/a	93 °F	71 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
07/06/2020 thru 07/08/2020	n/a	96 °F	67 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
07/18/2020	n/a	92 °F	74 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/25/2020 thru 07/26/2020	n/a	92 °F	71 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
08/24/2020 thru 08/28/2020	n/a	93 °F	70 °F	n/a	Minonk	n/a	n/a	n/a	n/a	
06/11/2021	n/a	96 °F	69 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
08/10/2021 thru 08/11/2021	n/a	93 °F	70 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
08/24/2021 thru 08/28/2021	n/a	95 °F	67 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
05/10/2022 thru 05/11/2022	n/a	95 °F	70 °F	n/a	Congerville	n/a	n/a	n/a	n/a	
06/13/2022 thru 06/15/2022	n/a	96 °F	70 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 7
Regional Excessive Heat Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
		Day (Max)	Night (Min)	Heat Index (Max)						
06/21/2022	n/a	96 °F	71 °F	105 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/05/2022	n/a	97 °F	71 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
07/23/2022	n/a	96 °F	67 °F	110 °F	Congerville Minonk	n/a	n/a	n/a	n/a	
08/06/2022	n/a	92 °F	73 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
09/20/2022	n/a	97 °F	70 °F	n/a	Congerville Minonk	n/a	n/a	n/a	n/a	
GRAND TOTAL:						0	0	\$ -	\$ -	

Sources: Iowa State University, Iowa Environmental Mesonet, National Weather Service Data, Search for Warnings.

Midwestern Regional Climate Center, cli-MATE.

NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Cooperative Observation Forms.

NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Events Database.

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 8
Regional Extreme Cold/Wind Chill Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Impacts/Event Description
		Low (Min)	High (Max)	Wind Chill (Max)					
12/09/1995	n/a	-2 °F	11 °F	n/a	Minonk	n/a	n/a	n/a	
01/19/1996	n/a	-3 °F	11 °F	n/a	Minonk	n/a	n/a	n/a	
01/30/1996 thru 02/04/1996	n/a	-20 °F	16 °F	n/a	Minonk	n/a	n/a	n/a	many people experienced problems with frozen pipes and vehicles
01/10/1997 thru 01/12/1997	n/a	-10 °F	10 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
01/16/1997 thru 01/17/1997	n/a	-16 °F	9 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
01/28/1997	n/a	-9 °F	12 °F	n/a	Minonk	n/a	n/a	n/a	
12/30/1998	n/a	-6 °F	12 °F	n/a	Congerville	n/a	n/a	n/a	
01/04/1999 thru 01/05/1999	n/a	-36 °F	5 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
01/07/1999	n/a	-7 °F	12 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
01/09/1999	n/a	-9 °F	15 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
01/20/2000	n/a	-13 °F	14 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
12/12/2000	n/a	-12 °F	9 °F	n/a	Congerville Minonk	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 8
Regional Extreme Cold/Wind Chill Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Impacts/Event Description
		Low (Min)	High (Max)	Wind Chill (Max)					
12/21/2000 thru 12/22/2000	n/a	-9 °F	15 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
12/24/2000	n/a	-18 °F	9 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
03/03/2002	n/a	-8 °F	13 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
01/23/2003	n/a	-7 °F	13 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
01/26/2003	n/a	-15 °F	17 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
01/29/2004 thru 01/31/2004	n/a	-12 °F	15 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
12/07/2005	n/a	-8 °F	15 °F	n/a	Minonk	n/a	n/a	n/a	
02/18/2006	n/a	-2 °F	13 °F	-24 °F	Congerville Minonk	n/a	n/a	n/a	
02/03/2007 thru 02/07/2007	n/a	-12 °F	14 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
02/15/2007 thru 02/16/2007	n/a	-6 °F	15 °F	-30 °F	Congerville Minonk	n/a	n/a	n/a	
01/02/2008	n/a	-4 °F	16 °F	-20 °F	Congerville	n/a	n/a	n/a	
01/19/2008	n/a	-5 °F	10 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 8
Regional Extreme Cold/Wind Chill Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Impacts/Event Description
		Low (Min)	High (Max)	Wind Chill (Max)					
01/24/2008	n/a	-11 °F	11 °F	-24 °F	Congerville Minonk	n/a	n/a	n/a	
02/10/2008	n/a	0 °F	10 °F	-15 °F	Congerville Minonk	n/a	n/a	n/a	
12/21/2008 thru 12/22/2008	n/a	-6 °F	5 °F	-25 °F	Congerville Minonk	n/a	n/a	n/a	
01/14/2009 thru 01/16/2009	n/a	-25 °F	19 °F	-35 °F	Congerville Minonk	n/a	n/a	n/a	
01/25/2009	n/a	-2 °F	13 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
01/01/2010 thru 01/04/2010	n/a	-12 °F	15 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
01/09/2010	n/a	-15 °F	16 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
12/13/2010	n/a	-8 °F	15 °F	-15 °F	Congerville Minonk	n/a	n/a	n/a	
01/21/2011	n/a	-5 °F	15 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
02/03/2011	n/a	-2 °F	12 °F	-25 °F	Congerville Minonk	n/a	n/a	n/a	
02/08/2011 thru 02/09/2011	n/a	-16 °F	16 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 8
Regional Extreme Cold/Wind Chill Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Impacts/Event Description
		Low (Min)	High (Max)	Wind Chill (Max)					
01/02/2014	n/a	-10 °F	19 °F	-25 °F	Congerville Minonk	n/a	n/a	n/a	
01/05/2014 thru 01/07/2014	n/a	-17 °F	16 °F	-45 °F	Congerville Minonk	n/a	n/a	n/a	- schools and businesses closed for the day - several locations activated warming centers
01/21/2014	n/a	-4 °F	11 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
01/23/2014	n/a	-6 °F	10 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
01/27/2014 thru 01/28/2014	n/a	-10 °F	15 °F	-30 °F	Congerville Minonk	n/a	n/a	n/a	
02/02/2014	n/a	-19 °F	19 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
02/06/2014 thru 02/11/2014	n/a	-23 °F	19 °F	-25 °F	Congerville Minonk	n/a	n/a	n/a	
03/02/2014	n/a	-8 °F	15 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
01/05/2015 thru 01/08/2015	n/a	-11 °F	15 °F	-30 °F	Congerville Minonk	n/a	n/a	n/a	
01/09/2015	n/a	-8 °F	11 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
01/13/2015	n/a	-7 °F	15 °F	n/a	Minonk	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 8
Regional Extreme Cold/Wind Chill Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Impacts/Event Description
		Low (Min)	High (Max)	Wind Chill (Max)					
02/18/2015 thru 02/19/2015	n/a	-9 °F	11 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
01/17/2016 thru 01/18/2016	n/a	-4 °F	13 °F	-25 °F	Congerville Minonk	n/a	n/a	n/a	
12/18/2016	n/a	-7 °F	9 °F	-25 °F	Congerville Minonk	n/a	n/a	n/a	
01/06/2017	n/a	-2 °F	11 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
12/26/2017 thru 12/27/2017	n/a	-16 °F	13 °F	n/a	Congerville Minonk	n/a	n/a	n/a	
12/30/2017 thru 01/05/2018	n/a	-21 °F	19 °F	-25 °F	Congerville Minonk	n/a	n/a	n/a	
01/15/2018 thru 01/16/2018	n/a	-5 °F	17 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
02/05/2018 thru 02/06/2018	n/a	-7 °F	14 °F	n/a	Minonk	n/a	n/a	n/a	
01/20/2019	n/a	-8 °F	14 °F	n/a	Minonk	n/a	n/a	n/a	
01/25/2019 thru 01/26/2019	n/a	-23 °F	11 °F	-30 °F	Congerville Minonk	n/a	n/a	n/a	

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 8
Regional Extreme Cold/Wind Chill Events Extrapolated for Tazewell County
1995 - 2022

Date(s)	Start Time	Magnitude - Temperature °F			Observed Location(s) ¹	Injuries	Fatalities	Property Damages	Impacts/Event Description
		Low (Min)	High (Max)	Wind Chill (Max)					
01/29/2019 thru 01/31/2019	n/a	-23 °F	12 °F	-50 °F	Congerville Minonk	n/a	1	n/a	An 82 year-old man died of hypothermia after falling outside his Marquette Heights home <i>Ameren (Regional information, including Tazewell County)</i> - 10,033 customers were without power for up to 3 days
02/13/2020	n/a	-12 °F	21 °F	-30 °F	Congerville Minonk	n/a	n/a	n/a	
02/07/2021	n/a	-11 °F	7 °F	-25 °F	Congerville Minonk	n/a	n/a	n/a	
02/13/2021 thru 02/15/2021	n/a	-9 °F	11 °F	-30 °F	Congerville Minonk	n/a	n/a	n/a	
01/06/2022	n/a	-6 °F	11 °F	-25 °F	Congerville Minonk	n/a	n/a	n/a	
01/25/2022 thru 01/26/2022	n/a	-9 °F	16 °F	-20 °F	Congerville Minonk	n/a	n/a	n/a	
12/23/2022	n/a	-6 °F	8 °F	-25 °F	Congerville Minonk	n/a	n/a	n/a	

GRAND TOTAL:	0	1	\$	-
---------------------	----------	----------	-----------	----------

Sources: Iowa State University, Iowa Environmental Mesonet, National Weather Service Data, Search for Warnings.

Midwestern Regional Climate Center, cli-MATE.

NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Cooperative Observation Forms.

NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Events Database.

¹ Observed Location information, if available, was obtained from NWS's COOP Observation Station records as well as other officially-designated sources identified in NOAA's Storm Events Database and the Midwestern Regional Climate Center's cli-MATE data system.

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
1	11/13/1951	1:15 PM	Delavan^ Hopedale^ Minier^	F 2	##### mi.	50 yd.	n/a	n/a	\$40,000	\$25,000	
2	05/26/1955	2:49 PM	Pekin	F 2	1.50 mi.	100 yd.	1	n/a	\$250,000	n/a	
3	08/13/1956	1:15 AM	East Peoria Sunnyland Washington	F 3	3.80 mi.	27 yd.	n/a	n/a	\$25,000	n/a	<u>Sunnyland</u> - destroyed a building - 2 stores lost their roofs
4	04/16/1960	12:05 PM	Delavan^	F 1	2.70 mi.	60 yd.	n/a	n/a	\$2,500	n/a	damaged 2 or 3 farmsteads
5	05/16/1960	4:45 PM	Pekin Lake North Pekin	F 2	0.10 mi.	10 yd.	n/a	n/a	\$25,000	n/a	<u>North Pekin</u> - damaged homes
6	05/25/1960	3:10 PM	Groveland^	F 2	0.10 mi.	10 yd.	n/a	n/a	\$25,000	n/a	took the roofs off several homes
7	09/14/1965	2:40 PM	East Peoria	F 3	0.50 mi.	200 yd.	n/a	n/a	n/a	n/a	<u>Touchdown/Liftoff – Two Counties</u> touched down in Peoria County just south of Norwood near the grade school and traveled southeast crossing the Illinois river into Tazewell County before lifting off in East Peoria near the Caterpillar Plant – total length: 5.7 miles
8	01/24/1967	6:30 PM	Washington^	F 2	3.30 mi.	77 yd.	n/a	n/a	\$2,500	n/a	<u>Touchdown/Liftoff – Two Counties</u> touched down in Tazewell County southeast of Washington and traveled northeast before lifting off west of Eureka in Woodford County – total length: 3.8 miles caused some tree and roof damage, especially to farm buildings

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
9	10/10/1969	8:00 PM	Deer Creek	F 2	0.20 mi.	200 yd.	n/a	n/a	\$150,000	n/a	<u>Touchdown/Liftoff – Two Counties</u> touched down in Deer Creek in Tazewell County and traveled east into Woodford County before dissipating – total length: 1.0 miles greatest damage was done to a two-block area in Deer Creek
10	07/12/1972	9:40 PM	Talbott [^]	F 1	0.50 mi.	130 yd.	n/a	n/a	n/a	\$2,500	localized damage sustained
11	09/04/1973	12:20 PM	South Pekin [^] Midway Pekin Morton	F 0	#### mi.	33 yd.	n/a	n/a	n/a	n/a	
12	06/19/1974	6:30 PM	Morton [^]	F 0	0.10 mi.	10 yd.	n/a	n/a	n/a	n/a	tornado was sighted by a pilot near the Village
13	04/18/1975	3:20 PM	Hopedale [^]	F 1	0.50 mi.	50 yd.	n/a	n/a	\$25,000	n/a	- destroyed 2 machine sheds on a farm south of the Village - scattered the wreckage of one shed over a large field - carried the other shed about 75 to 100 feet before dropping it and causing little damage
14	04/30/1975	12:13 PM	Armington [^]	F 0	0.10 mi.	10 yd.	n/a	n/a	n/a	n/a	tornado touched down in a field about 5 ½ miles west-southwest of the Village

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
15	03/26/1976	9:05 PM	Morton	F 1	1.50 mi.	600 yd.	n/a	n/a	\$250,000	n/a	<u>Morton</u> - several buildings sustained extensive damage, including having large sections of roof torn off in the northwest portion of the Village <u>Morton area</u> - several farm gravity wagon boxes were overturned or blown up to 400 feet away onto adjacent properties
16	09/07/1977	4:00 PM	Deer Creek	F 1	0.20 mi.	145 yd.	n/a	n/a	\$250,000	n/a	- approx. 30 homes were damaged in the Westview subdivision on the western edge of the Village - a house under construction was lifted off its foundation, moved slightly and set down again - another residence sustained damage when the attached garage was ripped off and carried across the adjoining yard
17	09/16/1980	5:25 PM	East Peoria Sunnyland	F 0	0.80 mi.	17 yd.	n/a	n/a	n/a	n/a	- about 20 trees were uprooted - the tornado made a 6 ft. high dirt hill
18	06/08/1981	7:18 PM	Pekin [^] Tremont [^]	F 1	0.10 mi.	10 yd.	n/a	n/a	\$25,000	n/a	tornado touched down between Pekin and Tremont – no damage was reported
19	09/29/1986	2:58 PM	Hopedale	F 2	2.00 mi.	50 yd.	n/a	n/a	\$275,000	n/a	- destroyed the Hopedale Fire Station - damaged 30 homes - destroyed a garage - toppled or uprooted 100 trees

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
20	06/02/1987	1:30 PM	Mackinaw [^]	F 0	0.10 mi.	10 yd.	n/a	n/a	n/a	n/a	tornado touched down briefly in open country but caused no damage
21	06/13/1990	7:13 PM	Pekin East Peoria	F 0	7.00 mi.	20 yd.	n/a	n/a	\$2,500	n/a	this event was part of a federally-declared disaster (Declaration #871) blew down trees one of which fell onto a car
22	06/19/1990	11:20 PM	Green Valley	F 1	1.00 mi.	100 yd.	n/a	n/a	\$2,500,000	n/a	this event was part of a federally-declared disaster (Declaration #871) several stores in a shopping center were damaged by a fire resulting from the tornado
23	11/27/1990	2:13 PM	Waddell Airport Talbot [^]	F 2	1.00 mi.	200 yd.	2	0	\$1,500,000	n/a	<u>Waddell Airport</u> 32 airplanes and 4 hangars were destroyed and others damaged
24	05/14/1991	10:15 AM	Minier	F 0	0.10 mi.	20 yd.	n/a	n/a	n/a	n/a	
25	05/14/1991	10:30 AM	Hopedale	F 0	0.10 mi.	20 yd.	n/a	n/a	n/a	n/a	
26	05/31/1991	6:42 PM	Minier [^]	F 0	0.20 mi.	50 yd.	n/a	n/a	n/a	n/a	
27	10/04/1991	5:09 PM	Hopedale [^]	F 1	0.40 mi.	20 yd.	n/a	n/a	\$250,000	n/a	- ripped the roofs off of several homes - a camping trailer was smashed by an uprooted tree - destroyed a farm machinery shop - ripped the roof off a warehouse in the Indian Creek Industrial Park and damaged a medical building
28	05/04/1992	1:50 PM	Hopedale [^]	F 0	0.10 mi.	30 yd.	n/a	n/a	\$2,500	n/a	damaged trees, power lines and outbuildings

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
29	08/23/1993	5:45 PM	Minier [^]	F 1	0.30 mi.	20 yd.	n/a	n/a	n/a	n/a	a woman photographed a narrow tornado on the ground in an open field
30	06/26/1994	5:33 PM	East Peoria	F 0	0.25 mi.	20 yd.	n/a	n/a	n/a	n/a	a TV crew taped a brief tornado touchdown at Spring St.
31	07/20/1994	5:22 PM	Powerton Generating Station	F 0	0.25 mi.	20 yd.	n/a	n/a	n/a	n/a	a tornado touched down briefly but caused no damage
32	07/20/1994	5:45 PM	Morton [^]	F 0	0.25 mi.	20 yd.	n/a	n/a	n/a	n/a	tornado touched down briefly near I-74 west of the Village
33	05/09/1995	5:04 PM	South Pekin Pekin [^]	F 1	4.00 mi.	220 yd.	2	n/a	\$1,000,000	n/a	<u>South Pekin area – south of the Village</u> - several barns were destroyed - one house sustained minor damage - the grill of a pickup truck was impaled by a 2" x 4" <u>South Pekin</u> - destroyed a railroad workers' barracks slightly injuring one worker - blew over four empty rail cars - numerous trees were blown over - several cars were smashed by fallen trees - three people were trapped in a smashed car but no one was injured - 4 or 5 garages were destroyed - part of the roof was missing from a Lutheran church

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
34	05/13/1995	5:15 PM	South Pekin^ Tremont	F 3	##### mi.	880 yd.	2	n/a	\$2,000,000	n/a	<u>Touchdown/Liftoff – Two Counties</u> touched down in Mason County north of Goofy Ridge in Sand Ridge State Park and traveled east-northeast into Tazewell County before lifting off east of Tremont – total length: 25.0 miles - 25 homes were either damaged or destroyed with 7 of the homes destroyed in a subdivision 1 mile south of South Pekin - 2 people suffered minor injuries from the destruction sustained in a subdivision 1 mile south of South Pekin - numerous silos and machine sheds were destroyed

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
35	04/19/1996	6:00 PM	Armington	F 2	4.40 mi.	440 yd.	n/a	n/a	\$1,000,000	n/a	<u>Touchdown/Liftoff – Multiple Counties</u> touched down in Logan County just south of the Logan/Tazewell County Line (on 1350E) and traveled northeast into Tazewell County and through the south side of Armington before turned southeast and lifting off in McLean County northwest of McLean – total length: 5.2 miles Armington - 1 home as well as several outbuildings were destroyed - 2 homes sustained major damage while 5 homes sustained minor damage
36	04/30/1997	2:15 PM	South Pekin [^]	F 0	0.50 mi.	50 yd.	1	n/a	\$115,000	n/a	<u>Country View Estates Subdivision</u> - severely damaged a home under construction causing around \$90,000 in damage - 4 other homes in the area sustained minor roof damage with shingles missing and a garage was damaged - a 20-inch diameter tree was blown down blocking Bass Road - a man sustained minor injuries when a piece of sheetrock hit him in the head as he took cover

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
37	06/29/1998	3:45 PM	Marquette Heights Groveland Morton	F 1	9.50 mi.	100 yd.	n/a	n/a	\$1,000,000	n/a	<u>Morton (southwest portion)</u> - a 30-store shopping center sustained considerable damage, with broken windows and half the roof torn off - a cinema, several restaurants and other businesses sustained moderate damage - 24 homes sustained moderate damage, mainly to roofs <u>Marquette Heights</u> - blew down numerous trees and power lines <u>Groveland area</u> - numerous homes sustained minor to moderate damage - part of the canopy over the gas pumps at a convenience store was blown down

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
38	06/04/1999	3:25 PM	Delavan	F 1	2.50 mi.	200 yd.	n/a	n/a	n/a	n/a	<u>Delavan</u> - blew a small outdoor amphitheater into a nearby creek - knocked down numerous trees - one tree fell onto an unoccupied truck, another fell onto the roof of a house and still another fell onto a mobile home - several other homes sustained minor damage to their roofs - the siding on a few homes was ripped off <u>Delavan area</u> - uprooted several more trees and knocked down branches - destroyed a small shed
39	05/08/2000	9:12 PM	Parkland [^]	F 1	0.50 mi.	100 yd.	n/a	n/a	\$275,000	n/a	- destroyed 4 large grain bins - blew a machine shed 100 yards from where it had been - a nearby garage sustained minor damage with siding and a door blown off

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
40	05/10/2003	8:45 PM	South Pekin Pekin^ Groveland Morton	F 3	#### mi.	440 yd.	32	n/a	\$10,000,000	n/a	<i>this event was part of a federally-declared disaster (Declaration #1469)</i> <u>South Pekin area (southwest of the Village)</u> - several homes were destroyed <u>South Pekin (eastern portion)</u> - 50 homes were destroyed - 80 homes sustained minor to moderate damage <u>Morton</u> - 8 vehicles were damaged as the tornado crossed the highways - 1 injury was sustained when a car was overturned by the tornado as it crossed I-74 - several 3-story apartment buildings were destroyed and several others were severely damaged in the complex - a couple of businesses were destroyed - over 100 homes were damaged in several subdivisions, some severely
41	05/10/2003	9:16 PM	Morton^ Washington^	F 1	1.50 mi.	100 yd.	n/a	n/a	n/a	n/a	<i>this event was part of a federally-declared disaster (Declaration #1469)</i> 3 homes and a business sustained major damage

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
42	05/10/2003	9:18 PM	Washington [^]	F 0	2.00 mi.	100 yd.	n/a	n/a	n/a	n/a	<u>this event was part of a federally-declared disaster (Declaration #1469) Touchdown/Liftoff – Two Counties</u> touched down in Tazewell County southeast of Washington and traveled east into Woodford County where it turned and traveled northeast lifting off north of Roanoke – total length: 12.5 miles - damage a couple of homes and businesses - blew down numerous trees, power poles and power lines
43	05/28/2003	1:40 PM	Washington [^]	F 0	1.50 mi.	40 yd.	n/a	n/a	n/a	n/a	<u>Touchdown/Liftoff – Two Counties</u> - touched down in Woodford County in Germantown Hills and traveled southeast into Woodford County lifting off north of Washington – total length: 3.5 miles - blew down numerous trees and power lines - destroyed a shed
44	05/28/2003	2:10 PM	Mackinaw [^]	F 0	0.10 mi.	10 yd.	n/a	n/a	n/a	n/a	tornado briefly touched down in a field
45	05/28/2003	2:41 PM	Armington [^]	F 0	0.10 mi.	10 yd.	n/a	n/a	n/a	n/a	tornado briefly touched down in a field

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
46	05/30/2003	6:56 PM	Delavan [^]	F 0	6.00 mi.	50 yd.	n/a	n/a	n/a	n/a	<u>Touchdown/Liftoff – Two Counties</u> touched down in Mason County west of Forest City and traveled southeast into Tazewell County lifting off southwest of Delavan – total length: 14.0 miles - blew down trees and power lines - destroyed several sheds
47	07/08/2003	2:34 PM	Powerton Generating Station [^]	F 0	0.30 mi.	20 yd.	n/a	n/a	\$25,000	n/a	- threw chunks of coal into the air near the power plant - destroyed the roofs on a couple of sheds
48	05/18/2004	4:06 PM	East Peoria	F 0	0.30 mi.	50 yd.	n/a	n/a	n/a	n/a	- tornado touched down about ½ mile west of Fondulac dam and traveled down Coventry Lane for about ¼ mile - damaged large trees with a number of them falling on homes - 2 homes had their roofs lifted off while several others had minor roof damage
49	05/18/2004	4:12 PM	Washington	F 0	0.10 mi.	10 yd.	n/a	n/a	n/a	n/a	tornado touched down in a field
50	05/30/2004	8:37 AM	Green Valley [^]	F 0	0.10 mi.	10 yd.	n/a	n/a	n/a	n/a	tornado briefly touched down in a field south of Green Valley
51	06/22/2006	7:13 AM	Morton [^]	F 0	0.10 mi.	30 yd.	n/a	n/a	n/a	n/a	tornado briefly touched down in a field 3 miles south of the Village

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
52	01/07/2008	5:22 PM	Mackinaw [^]	EF 1	3.00 mi.	100 yd.	n/a	n/a	\$30,000	n/a	- destroyed a pole barn - damaged a house and a few other buildings - blew down a chain link fence and a few tree limbs
53	06/04/2008	7:18 PM	Mackinaw River State Fish & Wildlife Area Lilly [^]	EF 0	1.50 mi.	30 yd.	n/a	n/a	n/a	n/a	tornado touched down in open fields
54	06/04/2008	7:24 PM	Mackinaw River State Fish & Wildlife Area [^]	EF 0	1.75 mi.	150 yd.	n/a	n/a	n/a	n/a	<u>Touchdown/Liftoff – Multiple Counties</u> touched down in Tazewell County just east of the Mackinaw River State Fish & Wildlife Area and traveled northeast to the Tazewell/McLean County line where it turned to the east-northeast and traveled through the northwest corner of McLean County and into Woodford County before lifting off south-southeast of Congerville – total length: 6.14 miles tornado touched down in open fields and no damage was reported

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
55	06/05/2010	7:51 PM	Washington [^]	EF 2	0.80 mi.	250 yd.	n/a	n/a	\$560,000	\$30,000	<u>Touchdown/Liftoff – Two Counties</u> touched down in Tazewell County approx. 3 miles north of Washington and traveled east-northeast into Woodford County lifting off 2 miles south-southeast of Metamora – total length: 3.08 miles - numerous trees and power poles were snapped along the path of the tornado - 3 large outbuildings and 2 hog sheds were destroyed - the roof of a farm house was lifted off - the roof of another house was severely damaged - a garage was destroyed - a grain bin was blown ¼ mile into a field

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
56	11/17/2013	10:53 AM	Pekin	EF 2	2.10 mi.	100 yd.	10	n/a	\$45,000,000	n/a	<i>this event was part of a federally-declared disaster (Declaration #4157) <u>Touchdown/Liftoff – Two Counties</u></i> touched down in Peoria County 4 miles east-northeast of Mapleton along the Illinois River and traveled northeast into Tazewell County lifting off in Pekin – total length: 2.26 miles - tornado tracked through the northwest side of the City - approx. 179 houses and 6 businesses suffered major damage, 182 houses experienced minor roof damage, & 3 apartment buildings lost their roofs - a power substation experienced minor damage - hundreds of cars sustained damage <u>Ameren (Regional information, including Tazewell County)</u> - 148,433 customers were without power for 3.25 days - 1,708 wires downed, 1,093 poles replaced, 267 tree orders received for trees/tree limbs - 1,966 Ameren personnel responded to the event

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
57	11/17/2013	10:59 AM	East Peoria Washington	EF 4	##### mi.	880 yd.	121	3	\$910,000,000	n/a	<i>this event was part of a federally-declared disaster (Declaration #4157)</i> <u><i>Touchdown/Liftoff – Multiple Counties</i></u> touched down in Tazewell County southeast of East Peoria and traveled northeast through Woodford and LaSalle Counties and into Livingston County before lifting off east of Long Point – total length: 46.36 miles <u><i>Fatalities/Injuries</i></u> - a man in Washington was killed by the tornado - a woman from Washington died 11 days after the event from multiple serious injuries sustained during the tornado - a man died six weeks after the event from injuries sustained by the tornado - 121 people sustained injuries (a breakdown by jurisdiction was not available) - 5,000 individuals were in the path of the tornado; however, the injuries and fatalities were relatively low due to early warning and the fact that people were either in church or out of town at the time

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
											<u>East Peoria</u> - estimated damages totaled \$110 million - 20 homes were destroyed - 75 homes, 7 businesses and 5 apartment buildings suffered major damage - 137 homes and 3 businesses sustained minor damage - approx. 400 vehicles were damaged - thousands of trees and numerous power poles were destroyed <u>Washington</u> - estimated damages totaled \$800 million - 633 homes, 7 businesses, 7 apartment buildings and 2,500 vehicles were destroyed - 280 homes, 2 businesses, several outbuildings and the roof of a school sustained major damage - 190 homes suffered minor damage - thousands of trees and power poles snapped

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
58	07/16/2015	10:39 PM	Delavan	EF 2	2.39 mi.	250 yd.	1	n/a	\$1,200,000	\$10,000	- 15 homes sustained severe damage, including either the roofs being completely torn off or the majority of the roof deck being lifted off - 36 homes sustained minor to moderate damage - numerous garages, outbuildings and trees were damaged - grave markers and several trees were damaged in the Prairie Rest Cemetery
59	08/18/2015	5:09 PM	Lilly^ Mackinaw River State Fish & Wildlife Area^	EF 0	2.01 mi.	75 yd.	n/a	n/a	\$30,000	\$8,000	- damaged several pine trees - downed tree limbs onto 3 houses - damaged crops in a path 50 to 75 yards wide
60	03/07/2017	12:00 AM	Green Valley^	EF 1	7.38 mi.	150 yd.	n/a	n/a	\$175,000	n/a	- destroyed an outbuilding and an historic single-room schoolhouse 4 miles southwest of Green Valley - damaged 2 grain bins, a barn and several trees along Towerline Road east of Green Valley
61	03/07/2017	12:09 AM	Delavan^	EF 2	2.80 mi.	200 yd.	n/a	n/a	\$120,000	n/a	damaged several outbuildings and trees

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
62	12/01/2018	5:34 PM	South Pekin [^]	EF 0	0.12 mi.	50 yd.	n/a	n/a	\$80,000	n/a	a tornado briefly touched down 4.8 miles southwest of South Pekin blowing over a couple of outbuildings, damaging a pool deck structure near a home, and tipping over an irrigation system before dissipating 4.7 miles southwest of South Pekin
63	05/25/2019	10:14 PM	Green Valley [^]	EF 1	1.15 mi.	200 yd.	n/a	n/a	n/a	n/a	a tornado touched down about 3.5 miles west-northwest of Green Valley and tracked northeastward, damaging the roof of a manufactured home and several trees before dissipating 2.6 miles northwest of Green Valley
64	05/25/2019	10:19 PM	Green Valley [^]	EF 1	0.72 mi.	150 yd.	n/a	n/a	n/a	n/a	a tornado touched down about 0.9 miles north-northeast of Green Valley uprooting a tree, damaging an irrigation unit, and doing significant damage to a large shed before dissipating 1.5 miles northeast of Green Valley
65	06/15/2019	9:19 PM	South Pekin [^] Pekin Municipal Airport [^]	EF 1	2.43 mi.	200 yd.	n/a	n/a	\$60,000	n/a	a tornado touched down 2.1 miles southwest of South Pekin and tracked east-southeast, destroying a shed, blowing over several 18 to 24-inch diameter trees, and knocking over power poles north of Christmas Tree Road near Highway 29 before dissipating about 2.4 miles southeast of South Pekin

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 9
Tornadoes Reported in Tazewell County
1950 - 2022

Map No.	Date(s)	Start Time	Location(s)	Magnitude Fujita Scale	Length (Miles) ¹	Width (Yards)	Injuries	Fatalities	Property Damages	Crop Damages	Impacts/Event Description
66	07/15/2020	12:37 PM	Green Valley [^]	EF U	0.12 mi.	10 yd.	n/a	n/a	n/a	n/a	a tornado briefly touched down in a field 2 miles northwest of Green Valley - no damage was reported
67	07/15/2020	12:45 PM	South Pekin [^] Midway [^]	EF U	0.13 mi.	10 yd.	n/a	n/a	n/a	n/a	a tornado touched down in a field 1 mile north of South Pekin - no damage was reported
GRAND TOTAL:							172	3	\$978,270,000	\$75,500	

Sources: Chris Miller, Warning Coordination Meteorologist, National Weather Service, Weather Forecast Office Lincoln, Illinois.
 NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Data.
 NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Events Database.
 NOAA, National Weather Service, Weather Forecast Office Lincoln, Illinois, Tornado Climatology for Central and Southeast Illinois, Woodford County.
 NOAA, National Weather Service, Storm Prediction Center, SVRGIS, Tornadoes (1950-2021) Database.

During the process of collecting and verifying the tornado data used in this updated Plan, discrepancies were identified in the existing tornado information databases. Discussions were immediately conducted with the NWS Weather Forecast Office in Lincoln to verify tornado coordinates so that these discrepancies could be corrected or clarified. Consequently, this Hazard Mitigation Plan has the most accurate information on tornadoes for the County. If the reader compares the tornado information in this Plan with other databases, they may encounter the same discrepancies until these databases are formally corrected.

¹ The length provided is only for the portion(s) of the tornado that occurred in the County.

[^] Tornado touchdown verified in the vicinity of this location(s).

Table 10
Drought Events Reported in Tazewell County
1980 - 2022

Year(s)	Start Month	Duration (Months)	Magnitude Drought Intensity Category ¹					Percent Crop Yield Reduction from Previous Year		Designated USDA Primary Natural Disaster Area	Crop Damages	Impacts/Event Description
			D0	D1	D2	D3	D4	Corn	Soybeans			
1983	n/a	n/a						38.4 %	18.2 %	n/a	n/a	All 102 counties in Illinois were proclaimed state disaster areas because of high temperatures and insufficient precipitation beginning in mid-June
1988	June	16						50.7 %	35.7 %	n/a	n/a	Approximately half of all Illinois counties were impacted by drought conditions
2005	May	12	X	X	X	X		24.1 %	1.9 %	Yes	n/a	
2011	August	3.5	X	X	X			---	1.4 %	No	n/a	
2012	March	10	X	X	X	X		22.8 %	10.1 %	Yes	\$35,900,000	crop damage figures are for corn crop damage only
2013	August	9	X	X	X			---	---	No	n/a	given the timing of this "flash drought", no significant crop stress or yield reductions were reported
GRAND TOTAL:											\$ 35,900,000	

Sources: Illinois State Water Survey, Illinois State Climatologist.

National Drought Mitigation Center, United States Drought Monitor.

NOAA, National Environmental Satellite, Data & Information Service, National Centers for Environmental Information, Storm Events Database.

United States Department of Agriculture, National Agricultural Statistics Service, Quik Stats Lite.

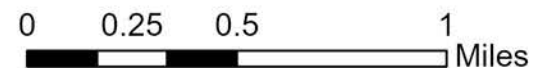
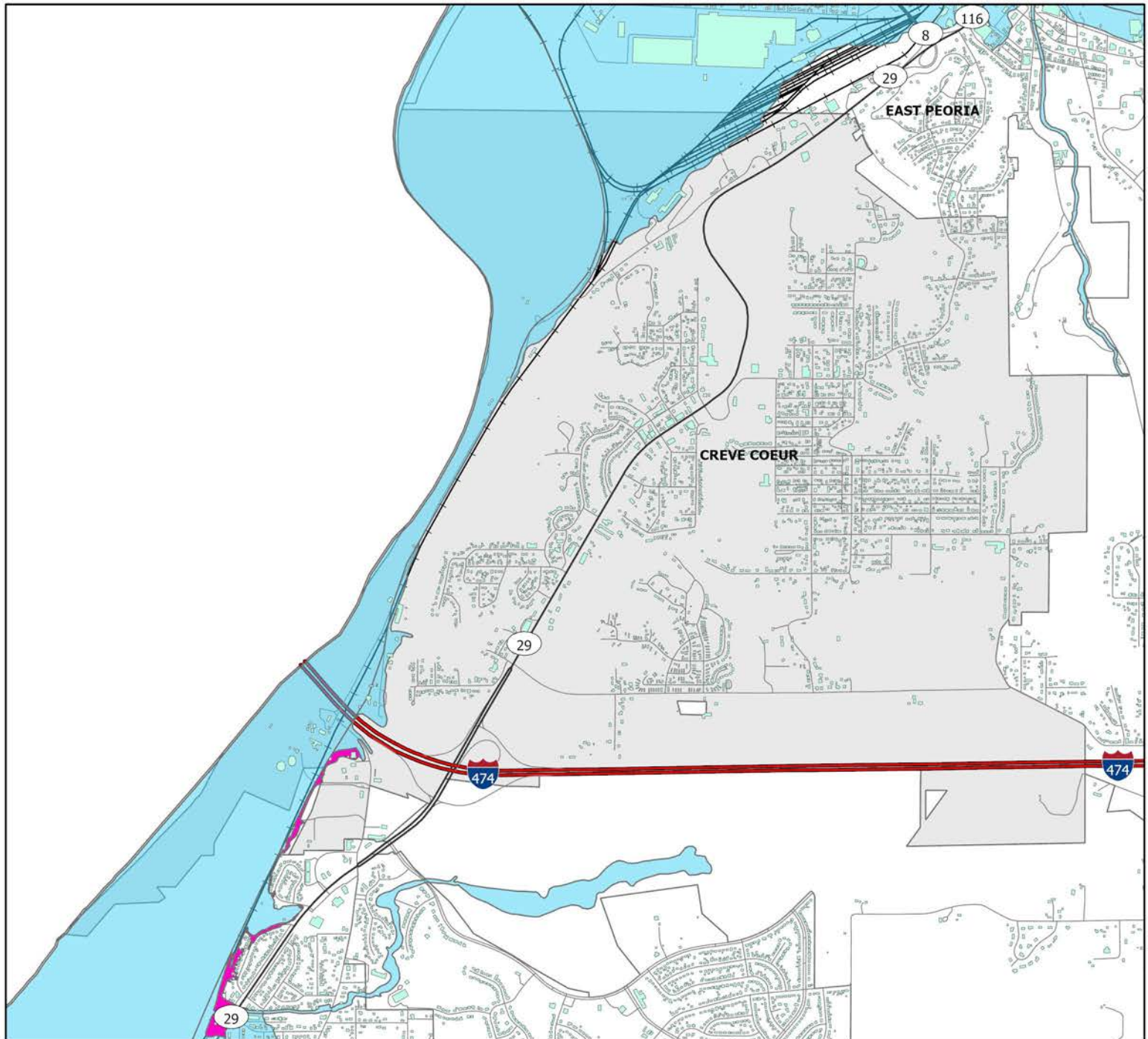
¹ An "X" identifies the level of drought intensity reached by at least a portion of the County during the event, if available.

US Drought Monitor – Drought Intensity Category Descriptions

D0	abnormally dry	D3	extreme drought
D1	moderate drought	D4	exceptional drought
D2	severe drought		

APPENDIX K

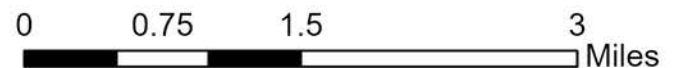
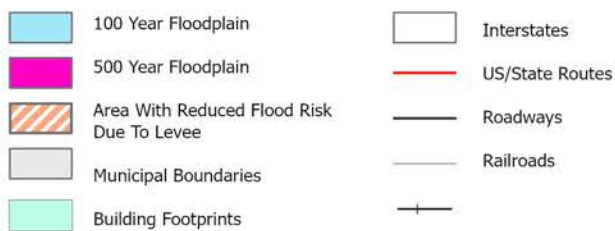
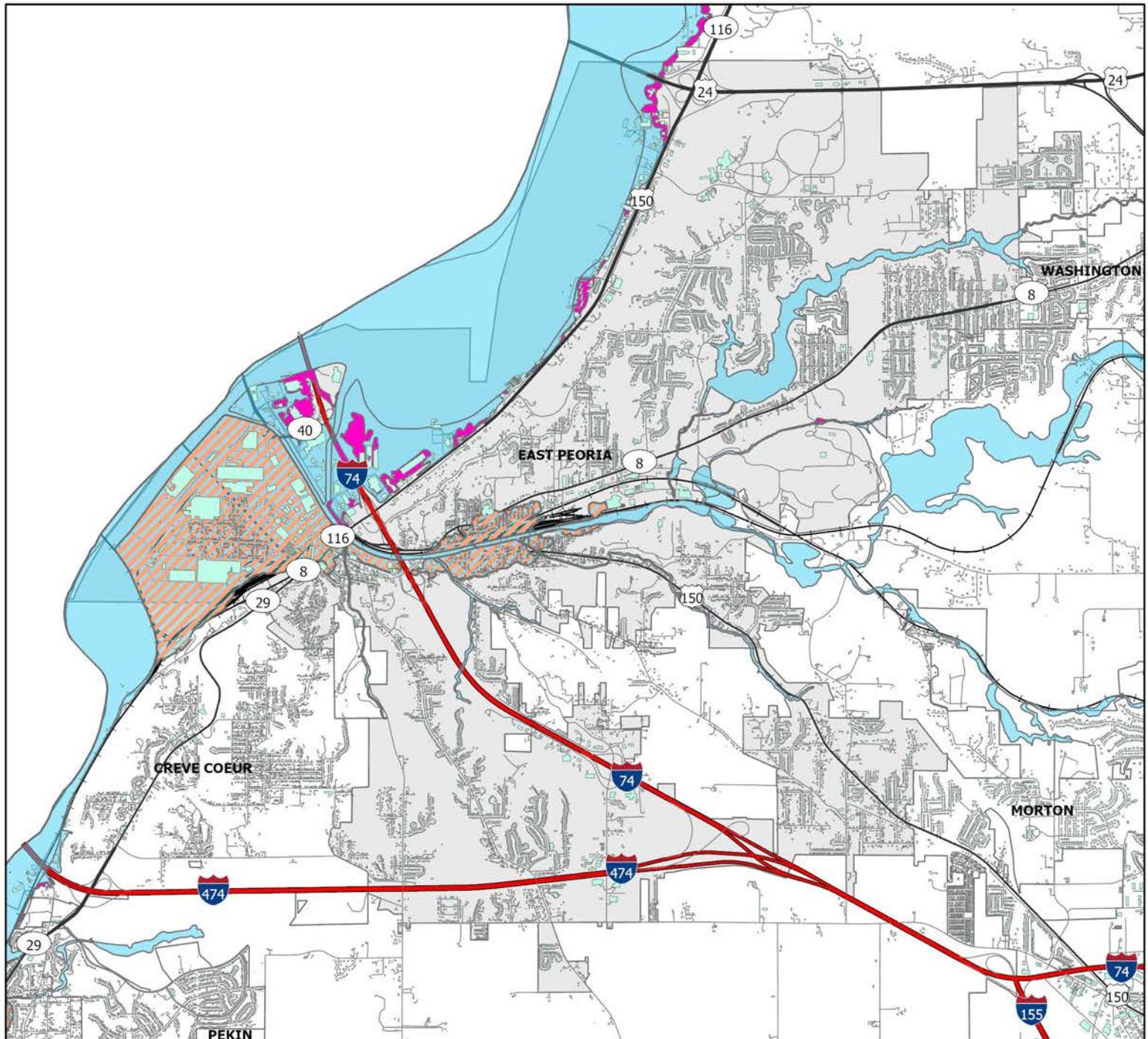
Creve Coeur



- | | | | |
|--|----------------------|---|-----------------|
|  | 100 Year Floodplain |  | Interstates |
|  | 500 Year Floodplain |  | US/State Routes |
|  | Municipal Boundaries |  | Roadways |
|  | Building Footprints |  | Railroads |

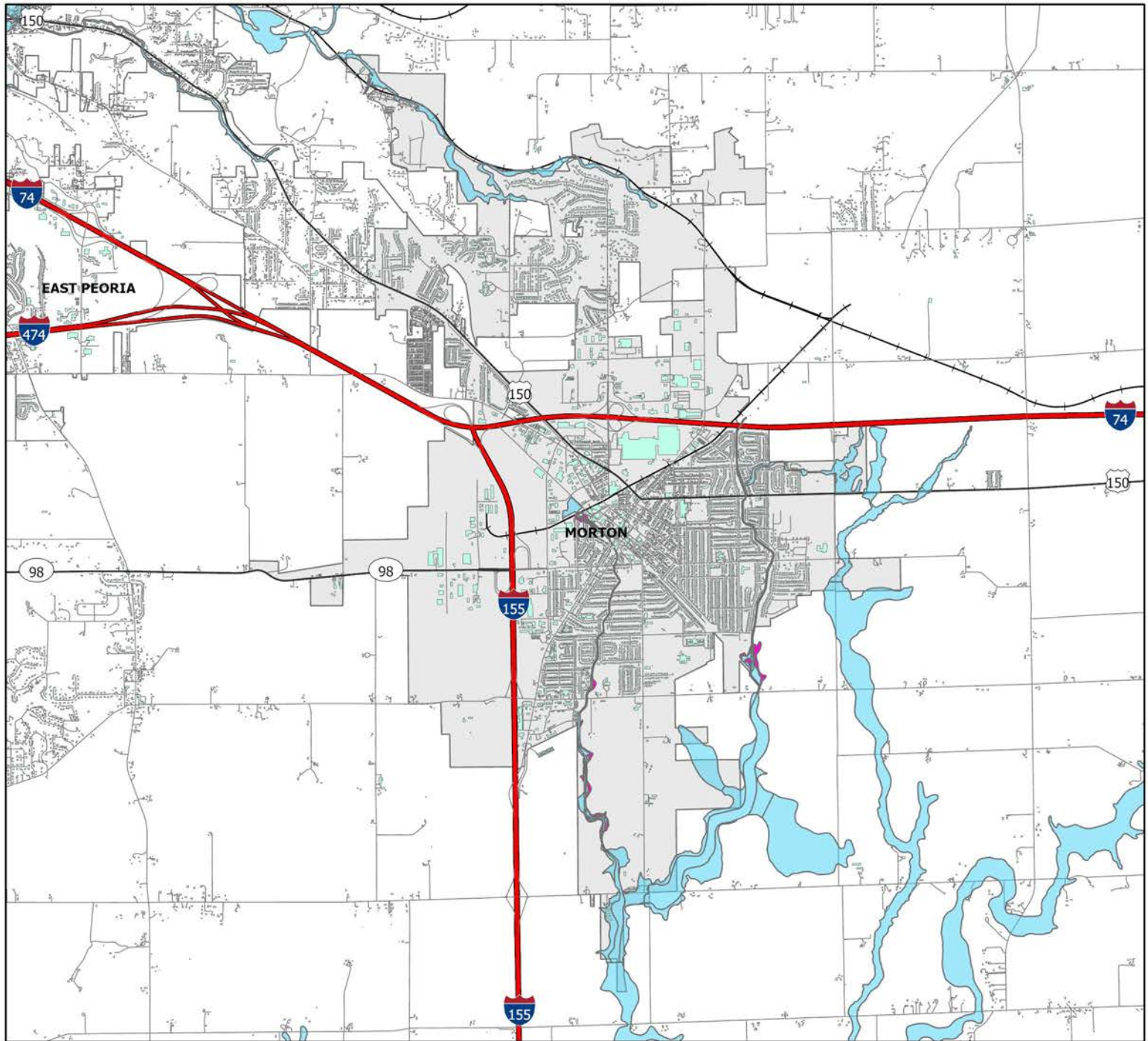
Map Created September 2023 in ArcGIS Pro by Callie Smith at American Environmental Corporation
 Sources: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, NASA, NGA, USGS, FEMA

East Peoria



Map Created September 2023 in ArcGIS Pro by Callie Smith at American Environmental Corporation
 Sources: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, NASA, NGA, USGS, FEMA

Morton



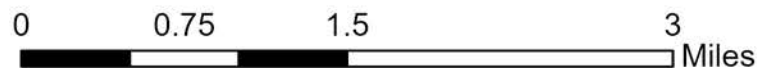
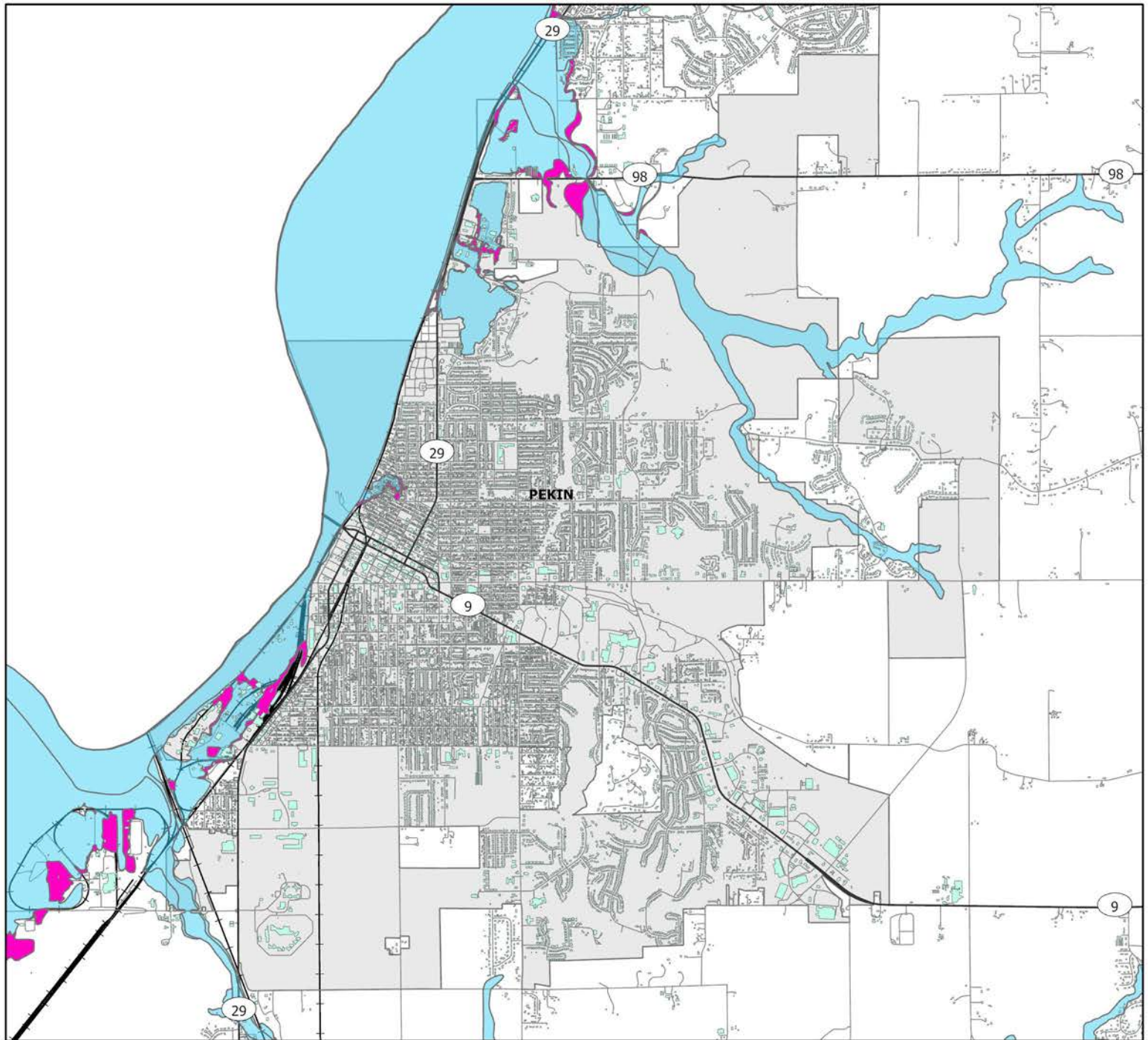
0 0.75 1.5 3 Miles

- | | | | |
|--|----------------------|---|-----------------|
|  | 100 Year Floodplain |  | Interstates |
|  | 500 Year Floodplain |  | US/State Routes |
|  | Municipal Boundaries |  | Roadways |
|  | Building Footprints |  | Railroads |

Map Created September 2023 in ArcGIS Pro by Callie Smith at American Environmental Corporation
 Sources: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, NASA, NGA, USGS, FEMA

Appendix K

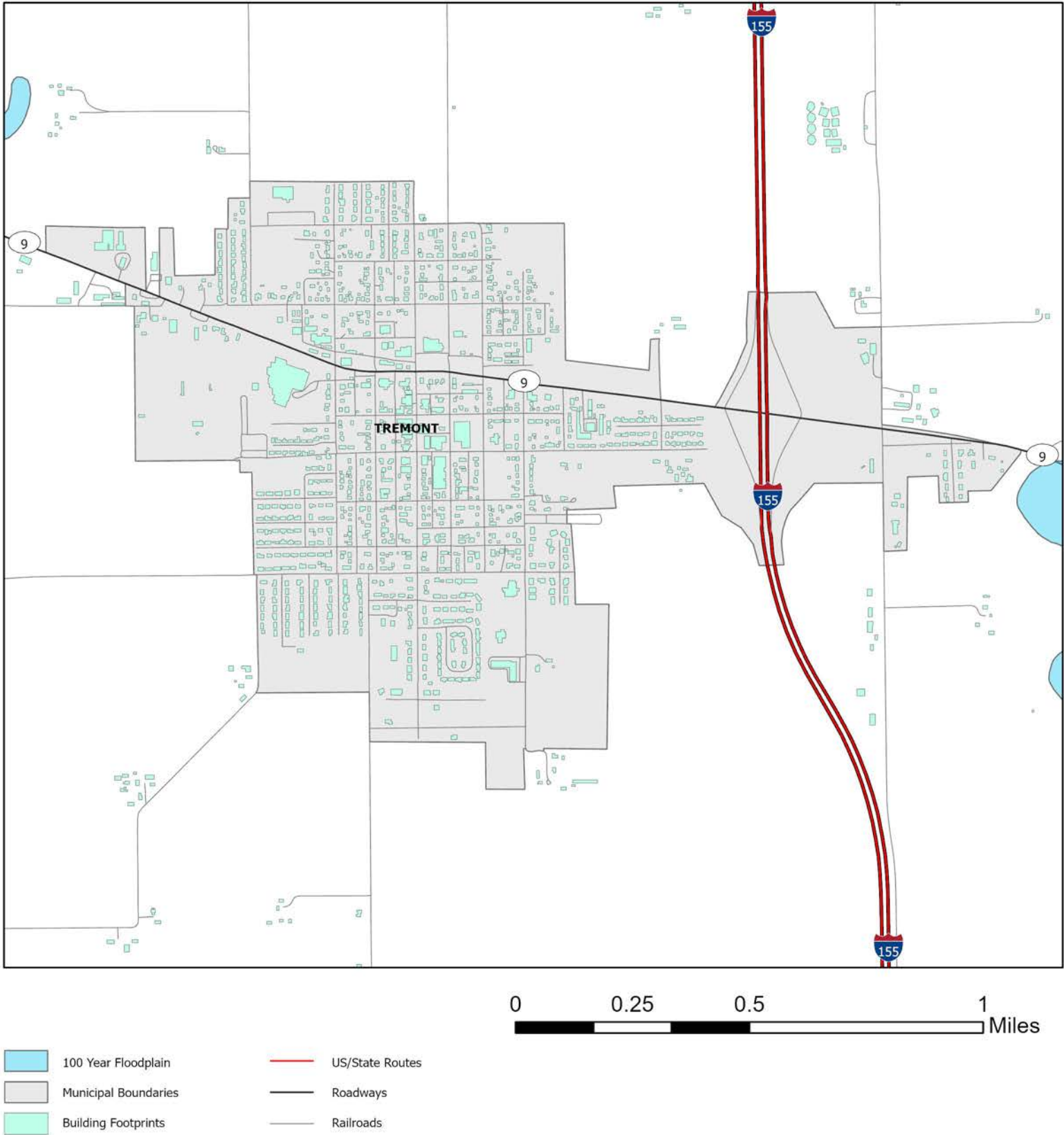
Pekin



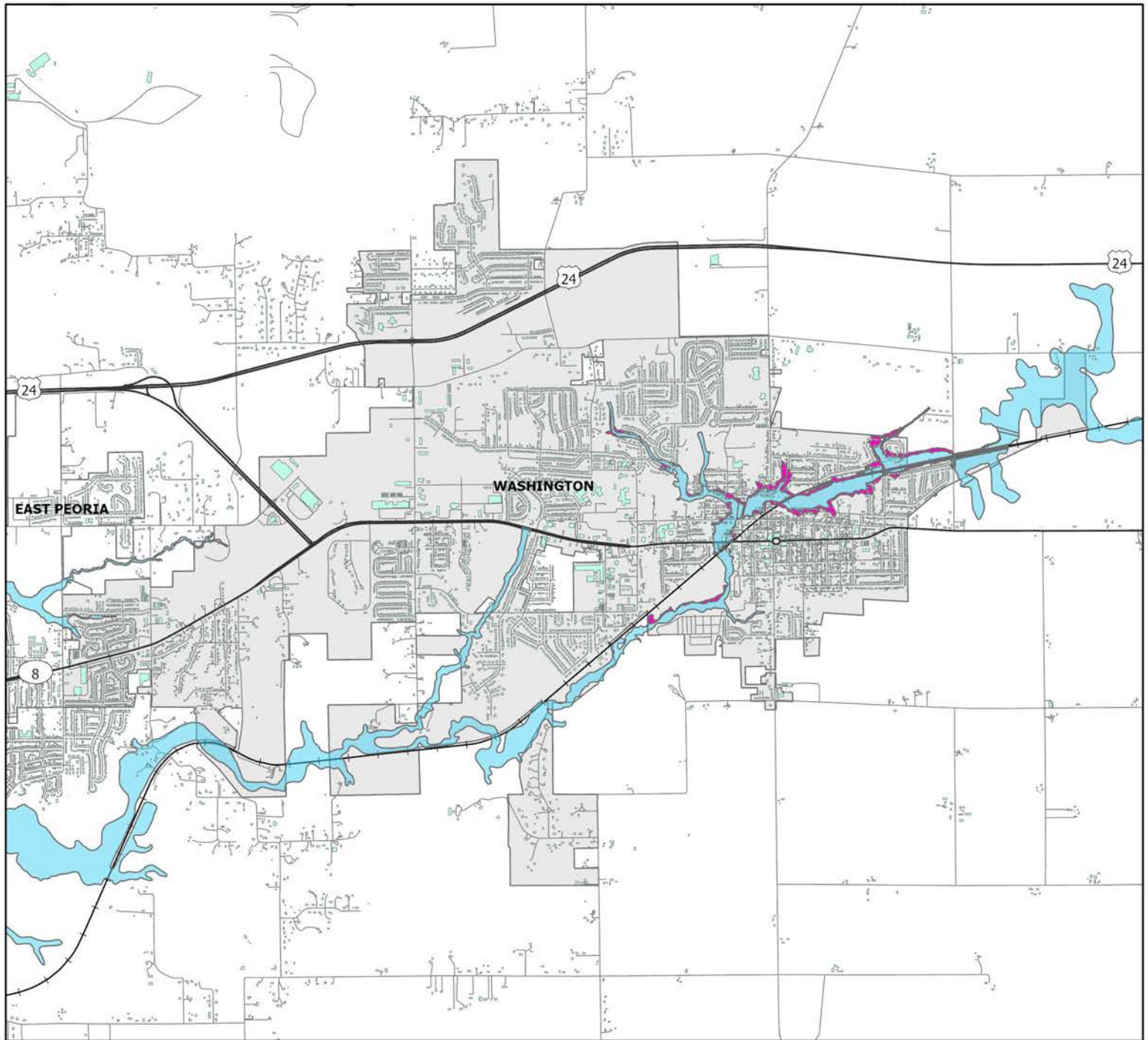
- | | | | |
|--|----------------------|---|-----------------|
|  | 100 Year Floodplain |  | US/State Routes |
|  | 500 Year Floodplain |  | Roadways |
|  | Municipal Boundaries |  | Railroads |
|  | Building Footprints | | |

Map Created September 2023 in ArcGIS Pro by Callie Smith at American Environmental Corporation
 Sources: Esri, HERE, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, Esri, NASA, NGA, USGS, FEMA

Tremont



Washington



- | | | | |
|--|----------------------|---|-----------------|
|  | 100 Year Floodplain |  | US/State Routes |
|  | 500 Year Floodplain |  | Roadways |
|  | Municipal Boundaries |  | Railroads |
|  | Building Footprints | | |

0 0.5 1 2 Miles

APPENDIX L

DIRECTORY OF COAL MINES IN ILLINOIS

Tazewell County

This directory accompanies the Illinois Coal
Mines map or maps for this County.

February 2023



Illinois State Geological Survey

PRAIRIE RESEARCH INSTITUTE

Prairie Research Institute
Illinois State Geological Survey

615 East Peabody Drive
Champaign, Illinois 61820
(217) 333-4747
<http://www.isgs.illinois.edu>

INTRODUCTION

Coal has been mined in 77 counties. More than 7,400 coal mines have operated since commercial mining began in Illinois circa 1810. Our maps of known mines for each county may help the public to identify mined areas. This accompanying coal mine directory provides basic information about the coal mines. Please note, however, that the accuracy and completeness of the maps and directories vary depending on the availability and quality of source material. Little or no information is available for many mines, especially the older ones, because mining activity was not regulated or documented until the late 1800's. Even then, reporting requirements were minimal.

The coal mine maps are maps compiled by the Illinois State Geological Survey (ISGS) of known mines: underground and surface coal mines as well as underground industrial mineral mines. Buffer regions for industrial mineral underground mines were incorporated into the maps due to limited information regarding these mines. The size of the buffer region is dependent on the uncertainty or inaccuracy of the mine location based on the quality of the source material. For more information regarding industrial mineral mines please contact the ISGS Industrial Minerals Section.

In cooperation with the Illinois State Geological Survey, the Office of Mines and Minerals (a division of the Department of Natural Resources) is in search of old underground mine maps of Illinois. Many of the undocumented maps are believed to be in libraries, historical societies and personal files of old mine employees. The Department asks that anyone who knows of one of these maps, please contact the Department at (618) 650-3197 or by emailing rgibson@siue.edu. A map specialist will come to your location, if you wish. Otherwise maps can be mailed, or you may stop by one of our offices in Edwardsville, Springfield, Ottawa, or Benton. These maps will be checked against existing inventory. If they are found to be a new discovery, they will be electronically imaged and returned to the owner (if requested).

MINE MAPS

The mined areas are shown on county base maps at a scale of 1:100,000.

Three types of mine information are shown on the maps: an index number that identifies the mine in the directory, a symbol that marks the 'location' of the mine, and an outline of the mined area if that is known. The location is almost always the site of the main mine opening or, in the case of surface mines, the location of the tippie (coal washing and storage facility). The type of symbol indicates whether the opening is a shaft, drift, or slope and whether the mine is active or abandoned. Another symbol represents a mine with an uncertain type of portal and/or uncertain location. When the exact location is unknown, the symbol is placed in the center of the section or quarter section in which the mine was reported to exist. If a mine cannot be located within a section, it is not shown on the map, but is listed in the directory.

The boundaries of the mined areas are also shown for most of the mines; however, for some mines the only information available is the location of the main opening. There are three types of coal-mined areas: underground, surface, and indefinite--which are shaded with different patterns. The underground mines also show large blocks of unmined coal within the mine, when that information is available. The indefinite areas, which have been plotted from sketchy or incomplete information, usually are underground workings, although the directory should be consulted to determine the specific mine type.

For most counties, one map shows all known mines. However, in Gallatin, Saline, Vermilion, and Williamson Counties, several seams have been extensively mined. For the sake of readability, separate maps have been produced for the mines in each seam. Mines in the Herrin Coal are shown on one map, those in the Springfield Coal are shown on another, and the mines in all other coals are shown on a third map. In Vermilion County, the mines that operated in the Herrin and the Danville Coals are presented on separate maps.

Quadrangle maps at 1:24,000 scale have been completed for select areas and contain more detailed outlines with directories that contain more detailed coal mine information. The maps and directories are available as downloadable PDF files or can be purchased. Please visit the ISGS web site for more information.

MINE DIRECTORIES

Each county directory is keyed to the mine map by the mine index number; the directory provides basic information about the coal mines shown on the map. The data have been compiled from a variety of sources such as the annual Coal Report of the Illinois Office of Mines and Minerals and field notes taken by ISGS geologists. The information presented in the table is described below. A blank in any column indicates that information is not available for that item. Again, we welcome any additional information that you may have.

ISGS Index Each mine in the state is identified with a unique number; this number is shown on the map and is the link between the map and the directory. The number is permanently assigned to a mine regardless of changes in the mine name, ownership, or operator.

Company Name A mine may have been operated by more than one company or the operating company may have changed its name. Separate entries in the directory show each name and the years of operation under the name. In many instances, names have been abbreviated to fit within the space available.

Mine Name and Mine Number An entry is included for each name and/or number the mine operated under, even if the company name remained the same. Many companies use the same name for all their mines, but differentiate them by number. Again, abbreviations have been used where necessary.

Mine Type Underground mines are either "shaft," "slope," or "drift" which refers to the type of opening used to remove the coal from the mine. In shaft mines the coal is removed through a vertical shaft. Slope designates mines in which the coal is removed via a sloping incline from the ground surface to the mining level. In slope mines, miners and equipment may use either the slope or a vertical shaft to get into the mine. A drift mine is an underground mine that is excavated where the coal outcrops in the side of a bluff or the highwall of a surface mine. The mine type for surface mines is "strip" because these mines are more commonly called "strip mines."

Method This refers to the pattern by which the coal was removed. Most underground mines in Illinois have used a type of room and pillar pattern, the areas where the coal is removed are the 'rooms' with 'pillars' of coal left in place to support the roof. In some mines, the pillars were later pulled to extract additional coal. The abbreviations are listed below and most are illustrated in Figure 1.

RP	Room & Pillar; specific type unknown
RPB	Room & Pillar Basic; irregular panels, typical of old mines
MRP	Modified Room & Pillar; a somewhat more regular pattern than Room & Pillar Basic
RPP	Room and Pillar Panel; similar to Modified Room & Pillar
BRP	Blind Room and Pillar; every 6th or 7th room is left unmined to provide additional support
CRP	Checkerboard Room and Pillar; evenly spaced large pillars
LW	Longwall; all coal is removed
	Old longwall mines were backfilled with rock to provide support
	Modern longwall mines allow roof to collapse behind as mining progresses
HER	High Extraction Retreat; a form of Room & Pillar mining that extracts most of the coal

Years Operated Years that the mine operated; these dates may include periods when the mine was idle or not in full operation. Dates of mining from different sources are sometimes contradictory. The conventions that we have used to indicate where we were uncertain of dates are as follows. If we know the full range of dates that a mine operated under a specific name, those are given (1928-1934). If we know when a mine last operated, but not when it began, we use a dash and end date (-1934). If we know that a mine operated in a particular year, but not when it opened or closed, we just give the year we know (1920). To avoid confusion with the previous case, if a mine opened and closed in the same year, the year is repeated (1926-1926). In cases where a mine operated under different names, but we don't know when the name change occurred, the full range of dates is given for all names (John Smith Sr. Mine 1913-1944, Bill Smith Mine 1913-1944). A blank indicates that we have no information on the dates that the mine operated.

Coal Seam Mined The seam name is that used by the Illinois State Geological Survey. Figure 2 shows these coal seams in a stratigraphic column and provides a cross-reference to other names commonly used for these coals. If a mine has operated in more than one seam, there are separate entries in the table for each seam mined.

Location The location given is the site of the main portal or, for surface mines, the tippie. For small surface mines, the pit and the tippie are assumed to be the same. The location is based on the Public Land Survey System of townships and sections. Townships are identified by a township (north-south) and range (east-west) designation such as T14N-R6E. Townships are subdivided into approximately 36 one-square-mile sections, which are numbered from 1 to 36.

ORDERING INFORMATION

A 1:100,000 scale color plot with the directory is available at a cost of \$12.50. This can be ordered by contacting the Information Office at (217) 244-2414 or sales@prairie.illinois.edu.

ACCURACY OF MAP

The maps and digital files used for this study were compiled from data obtained from a variety of sources and have varying degrees of completeness and accuracy. They present reasonable interpretations of the geology of the area and are based on available data. These data were compiled and digitized at a scale of 1:62,500, except for areas where quadrangle studies have been completed and the data was compiled at 1:24,000 or better. Locations of some features may be offset by 500 feet or more due to errors in the original source maps, the compilation process, digitizing, or a combination of these factors. These data are not intended for use in site-specific screening or decision-making. Data included in this map are suitable for use at a scale of 1:100,000.

DISCLAIMER

The Illinois State Geological Survey and the University of Illinois make no guarantee, expressed or implied, regarding the correctness of the interpretations presented in this data set and accept no liability for the consequences of decisions made by others on the basis of the information presented here.

© 2023 University of Illinois Board of Trustees. All rights reserved. For permission information, contact the Illinois State Geological Survey.

DIRECTORY OF COAL MINES FOR TAZEWELL COUNTY, ILLINOIS (February 2023)

ISGS INDEX	COMPANY NAME	MINE NAME	MINE NO.	MINE TYPE	METHOD	YEARS OPERATED	SEAM MINED	COUNTY	LOCATION		
									TWP	RGE	SEC
27	UBBEN COAL CO.	UBBEN		SHAFT	RPP	1900-1903	SPRINGFIELD	TAZEWELL	24N	4W	6
27	TAZEWELL COAL CO.	TAZEWELL		SHAFT	RPP	1903-1924	SPRINGFIELD	TAZEWELL	24N	4W	6
108	GROVELAND COAL MNG. CO.	GROVELAND	2	SHAFT	RPP	1918-1925	SPRINGFIELD	TAZEWELL	25N	4W	18
108	CRESCENT COAL CO.	CRESCENT	2	SHAFT	RPP	1925-1930	SPRINGFIELD	TAZEWELL	25N	4W	18
667	LAKESIDE COAL CO.	LAKESIDE		SHAFT	RPP	1933-1956	SPRINGFIELD	TAZEWELL	25N	5W	24
810	PHOENIX COAL CO.	HILLIARD	1	SHAFT	RPP	1900-1902	SPRINGFIELD	TAZEWELL	25N	4W	7
810	LITTLE (EDWARD)	HILLIARD	1	SHAFT	RPP	1902-1903	SPRINGFIELD	TAZEWELL	25N	4W	7
810	PHOENIX COAL CO.	PHOENIX		SHAFT	RPP	1903-1909	SPRINGFIELD	TAZEWELL	25N	4W	7
810	OFF (C. J.)	PHOENIX	1	SHAFT	RPP	1909-1912	SPRINGFIELD	TAZEWELL	25N	4W	7
810	GROVELAND COAL MNG. CO.	GROVELAND	1	SHAFT	RPP	1912-1921	SPRINGFIELD	TAZEWELL	25N	4W	7
3629	CHAPMAN & PETRIE COAL CO.	CHAPMAN & PETRIE		SHAFT	RPP	1904-1905	SPRINGFIELD	TAZEWELL	24N	4W	6
3629	CHAMPION COAL CO.	CHAMPION		SHAFT	RPP	1905-1915	SPRINGFIELD	TAZEWELL	24N	4W	6
3629	PEKIN COAL CO.	PEKIN	1	SHAFT	RPP	1915-1917	SPRINGFIELD	TAZEWELL	24N	4W	6
3629	JOHNSTON CITY-BIG MUDDY COAL	JOHNSTON CITY-BIG MUDDY	3	SHAFT	RPP	1917-1920	SPRINGFIELD	TAZEWELL	24N	4W	6
3629	REGAL COAL CO.	REGAL		SHAFT	RPP	1920-1924	SPRINGFIELD	TAZEWELL	24N	4W	6
3630	GRANT (LOUIS) & SON	GRANT	2	SHAFT	RPP	1890-1894	SPRINGFIELD	TAZEWELL	24N	5W	1
3630	GRANT BROTHERS	GRANT	2	SHAFT	RPP	1894-1895	SPRINGFIELD	TAZEWELL	24N	5W	1
3630	GRANT (L.) & SONS	GRANT	2	SHAFT	RPP	1895-1900	SPRINGFIELD	TAZEWELL	24N	5W	1
3630	GRANT BROTHERS	GRANT	2	SHAFT	RPP	1900-1902	SPRINGFIELD	TAZEWELL	24N	5W	1
3630	GRANT (L.) & SON	GRANT	2	SHAFT	RPP	1902-1904	SPRINGFIELD	TAZEWELL	24N	5W	1
3630	GRANT BROS. COAL & ICE CO	GRANT	2	SHAFT	RPP	1904-1910	SPRINGFIELD	TAZEWELL	24N	5W	1
3630	UBBEN COAL CO.	UBBEN	1	SHAFT	RPP	1910-1938	SPRINGFIELD	TAZEWELL	24N	5W	1
3631	ALEXANDER (DAVID M.)	ALEXANDER		SHAFT	RP	1870-1884	SPRINGFIELD	TAZEWELL	24N	5W	1
3631	GRANT (LOUIS) & SON	HOPE	1	SHAFT	RP	1884-1891	SPRINGFIELD	TAZEWELL	24N	5W	1
3631	GRANT (WILLIAM)	GRANT	1	SHAFT	RP	1891-1892	SPRINGFIELD	TAZEWELL	24N	5W	1
3632	SHOLL (ADAM)	SHOLL		SHAFT		1887-1890	SPRINGFIELD	TAZEWELL	25N	4W	

DIRECTORY OF COAL MINES FOR TAZEWELL COUNTY, ILLINOIS (February 2023)

ISGS INDEX	COMPANY NAME	MINE NAME	MINE NO.	MINE TYPE	METHOD	YEARS OPERATED	SEAM MINED	COUNTY	LOCATION		
									TWP	RGE	SEC
3633	UNCLE SAM COAL MNG. CO.	UNCLE SAM				1918-1918	SPRINGFIELD	TAZEWELL	25N	4W	3
3634	URBAN DALE COAL CO.	URBAN DALE		SHAFT	RP	1916-1918	SPRINGFIELD	TAZEWELL	25N	4W	4
3634	EAST PEORIA MINING CO.	EAST PEORIA		SHAFT	RP	1918-1922	SPRINGFIELD	TAZEWELL	25N	4W	4
3634	MARTENESS (MARION)	MARTENESS		SHAFT	RP	1922-1927	SPRINGFIELD	TAZEWELL	25N	4W	4
3634	EAST PEORIA COAL MNG. CO.	EAST PEORIA		SHAFT	RP	1928-1932	SPRINGFIELD	TAZEWELL	25N	4W	4
3634	MARTENESS (MARION)	MARTENESS		SHAFT	RP	1933-1934	SPRINGFIELD	TAZEWELL	25N	4W	4
3634	MARTENESS FUEL CO.	MARTENESS		SHAFT	RP	1935-1935	SPRINGFIELD	TAZEWELL	25N	4W	4
3635	LIBERTY COAL CO.	LIBERTY		SLOPE	RPP	1918-1928	SPRINGFIELD	TAZEWELL	25N	4W	4
3635	COAL CREEK COAL CO.	LIBERTY		SLOPE		1929-1936	SPRINGFIELD	TAZEWELL	25N	4W	4
3636	MANHATTAN FUEL CO.	MANHATTAN		SLOPE	RPP	1900-1905	SPRINGFIELD	TAZEWELL	25N	4W	5
3636	MANHATTAN FUEL CO.	MANHATTAN		SLOPE	RPP	1905-1907	SPRINGFIELD	TAZEWELL	25N	4W	5
3636	MARTENESS & FISHER	MANHATTAN		SLOPE	RPP	1907-1909	SPRINGFIELD	TAZEWELL	25N	4W	5
3636	MARTENESS (MARION)	MANHATTAN		SLOPE	RPP	1909-1914	SPRINGFIELD	TAZEWELL	25N	4W	5
3636	MANHATTAN COAL CO.	MANHATTAN		SLOPE	RPP	1914-1921	SPRINGFIELD	TAZEWELL	25N	4W	5
3636	RAINY & THOMPSON	MANHATTAN		SLOPE	RPP	1921-1922	SPRINGFIELD	TAZEWELL	25N	4W	5
3636	MANHATTAN COAL & MNG. CO.	MANHATTAN		SLOPE	RPP	1922-1939	SPRINGFIELD	TAZEWELL	25N	4W	5
3637	PROGRESSIVE COAL CO.	PROGRESSIVE		SLOPE	RPP	1899-1902	SPRINGFIELD	TAZEWELL	25N	4W	6
3637	LAKE ERIE COAL & MNG. CO.	LAKE ERIE		SLOPE	RPP	1902-1905	SPRINGFIELD	TAZEWELL	25N	4W	6
3637	CARTERS COAL & MNG. CO.	CARTERS		SLOPE	RPP	1905-1906	SPRINGFIELD	TAZEWELL	25N	4W	6
3637	LAKE ERIE COAL & MNG. CO.	CARTERS		SLOPE	RPP	1906-1908	SPRINGFIELD	TAZEWELL	25N	4W	6
3637	CUMMING (A. B.)	LAKE ERIE		SLOPE	RPP	1908-1909	SPRINGFIELD	TAZEWELL	25N	4W	6
3637	CUMMING BROTHERS & CO.	LAKE ERIE		SLOPE	RPP	1909-1910	SPRINGFIELD	TAZEWELL	25N	4W	6
3637	LAKE ERIE COAL & MNG. CO.	LAKE ERIE		SLOPE	RPP	1910-1917	SPRINGFIELD	TAZEWELL	25N	4W	6
3637	MAPLEWOOD SALES CO.	MAPLEWOOD	1	SLOPE	RPP	1917-1919	SPRINGFIELD	TAZEWELL	25N	4W	6
3637	LAKE ERIE MNG. CO.	LAKE ERIE		SLOPE	RPP	1919-1939	SPRINGFIELD	TAZEWELL	25N	4W	6
3638	DERING & BART	DERING & BART		SHAFT	RP	1895-1896	SPRINGFIELD	TAZEWELL	25N	4W	7
3638	DEERING (W. F.) & CO.	DEERING		SHAFT	RP	1896-1897	SPRINGFIELD	TAZEWELL	25N	4W	7
3638	GROVELAND COAL CO.	GROVELAND		SHAFT	RP	1897-1899	SPRINGFIELD	TAZEWELL	25N	4W	7
3638	DOERING (WILLIAM F.)	DOERING		SHAFT	RP	1899-1902	SPRINGFIELD	TAZEWELL	25N	4W	7

DIRECTORY OF COAL MINES FOR TAZEWELL COUNTY, ILLINOIS (February 2023)

ISGS INDEX	COMPANY NAME	MINE NAME	MINE NO.	MINE TYPE	METHOD	YEARS OPERATED	SEAM MINED	COUNTY	LOCATION		
									TWP	RGE	SEC
3638	B. & B. COAL CO.	B. & B.		SHAFT	RP	1902-1903	SPRINGFIELD	TAZEWELL	25N	4W	7
3638	DERING COAL CO.	DERING		SHAFT	RP	1903-1904	SPRINGFIELD	TAZEWELL	25N	4W	7
3639	LICK CREEK COAL CO.	LICK CREEK		SLOPE	RP	1940-1946	SPRINGFIELD	TAZEWELL	25N	4W	30
3640	GRANT (WILLIAM) & SONS	GRANT		SHAFT	RPP	1913-1914	SPRINGFIELD	TAZEWELL	25N	5W	36
3640	GRANT BROTHERS	GRANT		SHAFT	RPP	1913-1913	SPRINGFIELD	TAZEWELL	25N	5W	36
3640	GRANT (DAVID)	GRANT		SHAFT	RPP	1914-1925	SPRINGFIELD	TAZEWELL	25N	5W	36
3640	GRANT BROTHERS	GRANT		SHAFT	RPP	1925-1925	SPRINGFIELD	TAZEWELL	25N	5W	36
3640	GRANT (DAVID) COAL CO.	GRANT		SHAFT	RPB	1926-1936	SPRINGFIELD	TAZEWELL	25N	5W	36
3640	PEKIN MINING CO.	PEKIN		SHAFT	RPP	1936-1937	SPRINGFIELD	TAZEWELL	25N	5W	36
3640	SCHAEFER (FRED, JR.)	SCHAEFER		SHAFT	RPP	1938-1938	SPRINGFIELD	TAZEWELL	25N	5W	36
3640	PEKIN COAL MINING CO.	PEKIN		SHAFT	RPP	1939-1953	SPRINGFIELD	TAZEWELL	25N	5W	36
6808	HALLEY (NORMAN)	HALLEY		SHAFT	RP	1873-1879	SPRINGFIELD	TAZEWELL	24N	5W	23
6808	HAWLEY (NORMAN C.)	HAWLEY		SHAFT	RP	1881-1887	SPRINGFIELD	TAZEWELL	24N	5W	23
6808	PEKIN COAL & MNG. CO.	PEKIN		SHAFT	RP	1887-1889	SPRINGFIELD	TAZEWELL	24N	5W	23
6808	NEWSAM & LOWERY	NEWSAM & LOWERY		SHAFT	RP	1889-1890	SPRINGFIELD	TAZEWELL	24N	5W	23
6808	LOWERY (FRANK)	LOWERY		SHAFT	RP	1890-1892	SPRINGFIELD	TAZEWELL	24N	5W	23
6808	RANDLE (WILLIAM)	RANDLE		SHAFT	RP	1892-1894	SPRINGFIELD	TAZEWELL	24N	5W	23
6808	HAWLEY CO-OPERATIVE COAL CO.	HAWLEY		SHAFT	RP	1894-1895	SPRINGFIELD	TAZEWELL	24N	5W	23
6808	HAWLEY COAL CO.	HAWLEY		SHAFT	RP	1895-1896	SPRINGFIELD	TAZEWELL	24N	5W	23
7048				UG	RP		SPRINGFIELD	TAZEWELL	26N	4W	33
7178	LEA BROTHERS	LEA		SLOPE		1927-1930	SPRINGFIELD	TAZEWELL	25N	4W	4
7178	LEA BROTHERS & LAMBORN	LEA & LAMBORN		SLOPE		1931-1936	SPRINGFIELD	TAZEWELL	25N	4W	4
7258	DUFFY (M.)	DUFFY		SHAFT	RP	1885-1886	SPRINGFIELD	TAZEWELL	25N	4W	5
7258	DORING (HENRY)	DORING		SHAFT	RP	1886-1889	SPRINGFIELD	TAZEWELL	25N	4W	5
7258	WIELAND (GEORGE)	WIELAND		SHAFT	RP	1889-1892	SPRINGFIELD	TAZEWELL	25N	4W	5
7258	MORRITZ BROTHERS	MORRITZ		SHAFT	RP	1892-1893	SPRINGFIELD	TAZEWELL	25N	4W	5
7258	BECKER BROTHERS	BECKER		SHAFT	RP	1893-1898	SPRINGFIELD	TAZEWELL	25N	4W	5

DIRECTORY OF COAL MINES FOR TAZEWELL COUNTY, ILLINOIS (February 2023)

ISGS INDEX	COMPANY NAME	MINE NAME	MINE NO.	MINE TYPE	METHOD	YEARS OPERATED	SEAM MINED	COUNTY	LOCATION		
									TWP	RGE	SEC
7259	GIEBELHAUSEN (GUSTAV)	GIEBELHAUSEN		SHAFT	RP	1895-1918	SPRINGFIELD	TAZEWELL	25N	4W	5
7387	LEDTERMAN (JOHN)	LEDTERMAN		SHAFT	RP	1878-1886	SPRINGFIELD	TAZEWELL	24N	5W	1
7388				UG	UG		SPRINGFIELD	TAZEWELL	24N	5W	1
7389	RUNDLE (WILLIAM)	RUNDLE		SHAFT	RP	1873-1879	SPRINGFIELD	TAZEWELL	24N	5W	1
7389	RUNDLE & GOULD	VICTOR		SHAFT	RP	1881-1885	SPRINGFIELD	TAZEWELL	24N	5W	1
7389	RUNDLE (WILLIAM)	RUNDLE		SHAFT	RP	1885-1890	SPRINGFIELD	TAZEWELL	24N	5W	1
7389	BOHLANDER BROTHERS	BOHLANDER		SHAFT	RP	1890-1907	SPRINGFIELD	TAZEWELL	24N	5W	1
7390				DRIFT	UG		SPRINGFIELD	TAZEWELL	25N	4W	19
7391				UG	UG		SPRINGFIELD	TAZEWELL	24N	4W	1
7516	CUMMINGS (A.B.)	STANDARD		SHAFT	MRP	1905-1910	SPRINGFIELD	TAZEWELL	25N	4W	5

Coal Mines in Illinois
Marquette Heights Quadrangle

Tazewell County, Illinois

This map accompanies the Coal Mines Directory for the Marquette Heights Quadrangle. Consult the directory for a complete explanation of the information shown on this map.

Mining Method

- Room & Pillar (RP)
- Room & Pillar Basic (RPB)
- Modified Room & Pillar (MRP)
- Room & Pillar Panel (RPP)
- Blind Room & Pillar (BRP)
- Checkerboard Room & Pillar (CRP)
- High Extraction Retreat (HER)
- Longwall (LW)
- Underground, Method Unknown
- Strip Mine
- Auger Mine
- General Area of Mining

Other Areas Depicted

Non-Coal Mines

Source of Mine Outline

- Final Mine Map
- Not Final Mine Map
- Undated Mine Map
- Incomplete Mine Map
- Secondary Source Map

Tipple, Shaft, Slope, Drift Locations

- Strip Mine Tipple - Active
- Strip Mine Tipple - Abandoned
- Mine Shaft - Active
- Mine Shaft - Abandoned
- Mine Slope - Active
- Mine Slope - Abandoned
- Mine Drift - Active
- Mine Drift - Abandoned
- Air Shaft
- Uncertain Location
- Uncertain Type of Opening

Other Points Depicted

Non-Coal Mines

Location

Mine Annotation
(space permitting)

Company
Mine Name
ISGS Index No., Years of Operation

Disclaimer

Please check the Coal Section at the Illinois State Geological Survey's web site at <https://www.isgs.illinois.edu> for the most up-to-date version of these products.

Note that each quadrangle scale mined-out area map requires the use of the associated text directory for full explanation of map features and mine attributes. Also note that some quadrangles have multiple seams of mining and therefore more than one map may be available for a particular quadrangle. Please take care to check for multiple maps, as extensive mining may exist in the other seams.

The maps and digital files used for these studies were compiled from data obtained from a variety of public and private sources and have varying degrees of completeness and accuracy. This compilation map presents reasonable interpretation of the geology of the area and is based on available data. Locations of some mine features may be offset by 500 feet or more due to errors in the original source maps, the compilation process, digitizing, or a combination of these factors. These data are not intended for use in site-specific screening or decision-making. Use of these documents does not eliminate the need for detailed studies to fully understand the geology of a specific site. The Illinois State Geological Survey, Prairie Research Institute, or the University of Illinois make no guarantee, expressed or implied, regarding the correctness of the interpretations presented in this data set and accept no liability for the consequences of decisions made by others on the basis of the information presented here.

These maps were designed for use at 1:24,000. Enlarging the map may reduce accuracy, as the original scale of the source maps used to compile the outlines shown varies from 1:400 to 1:150,000, and some mine locations are known only from text descriptions. See the accompanying mine directory for the original scale of the source map used for a specific mine to check accuracy of a given portion of the map. Areas with no mines shown may still be undermined; see the unlocated mines list at the back of each mine directory.

The image of the U.S.G.S. topographic base map was projected from the original UTM to Lambert Conformal Conic.

Produced by the United States Geological Survey
Earth and Resource Information Systems (ERIS)

Map Scale: 1:24,000
Map Date: August 2010
Map Series: 7.5-Minute Series
Map Sheet: 24000
Map Projection: UTM
Map Datum: NAD 83
Map Contour Interval: 10 Feet
Map North Arrow: True North
Map Source: USGS Topographic Maps
Map Copyright: © 2010 USGS
Map Distribution: Public Domain
Map Contact: USGS
Map Address: 1220 National Mall, NW
Map City: Washington, DC 20540
Map Phone: (202) 835-4800
Map Fax: (202) 835-4801
Map Email: eris@usgs.gov
Map Website: eris.usgs.gov



SCALE 1:24,000

0 0.5 1 MILE
0 0.5 1 KILOMETER
CONTOUR INTERVAL: 10 FEET
NORTH ARROW: TRUE NORTH
This map was produced in conformity with the
National Geographic Program (© 2010 National Geographic)



Appendix L

MARQUETTE HEIGHTS, IL
2021

ILLINOIS
Illinois State Geological Survey
PRAIRIE RESEARCH INSTITUTE
Prairie Research Institute
Illinois State Geological Survey
615 E. Peabody Dr.
Champaign, IL 61820

Mine Outlines Compiled by
Jennifer M. O'Brien
December 16, 2010, Revised April 21, 2023

Mining Method

- Source of Mine Outline

- Final Mine Map
- Not Final Mine Map
- Undated Mine Map
- Incomplete Mine Map
- Secondary Source Map

Tipple, Shaft, Slope, Drift Locations

- * Strip Mine Tiptle - Active
- * Strip Mine Tiptle - Abandoned
- * Mine Shaft - Active
- * Mine Shaft - Abandoned
- * Mine Slope - Active
- * Mine Slope - Abandoned
- * Mine Drift - Active
- * Mine Drift - Abandoned
- * Air Shaft
- * Uncertain Location
- * Uncertain Type of Opening

Mine Annotation
(space permitting)

Company
Mine Name
ISGS Index No., Years of Operation

Disclaimer

Please check the Coal Section at the Illinois State Geological Survey's web site at <http://www.isgs.illinois.edu> for the most up-to-date version of these Products.

Note that each quadrangle line mined out map area requires the use of the associated text directory for full explanation of map features and mine attributes. Also note that some quadrangles have multiple scenes of mining and therefore more than one map may be available for a particular quadrangle. Please take care to check for multiple maps as extensive mining may exist in the other scenes.

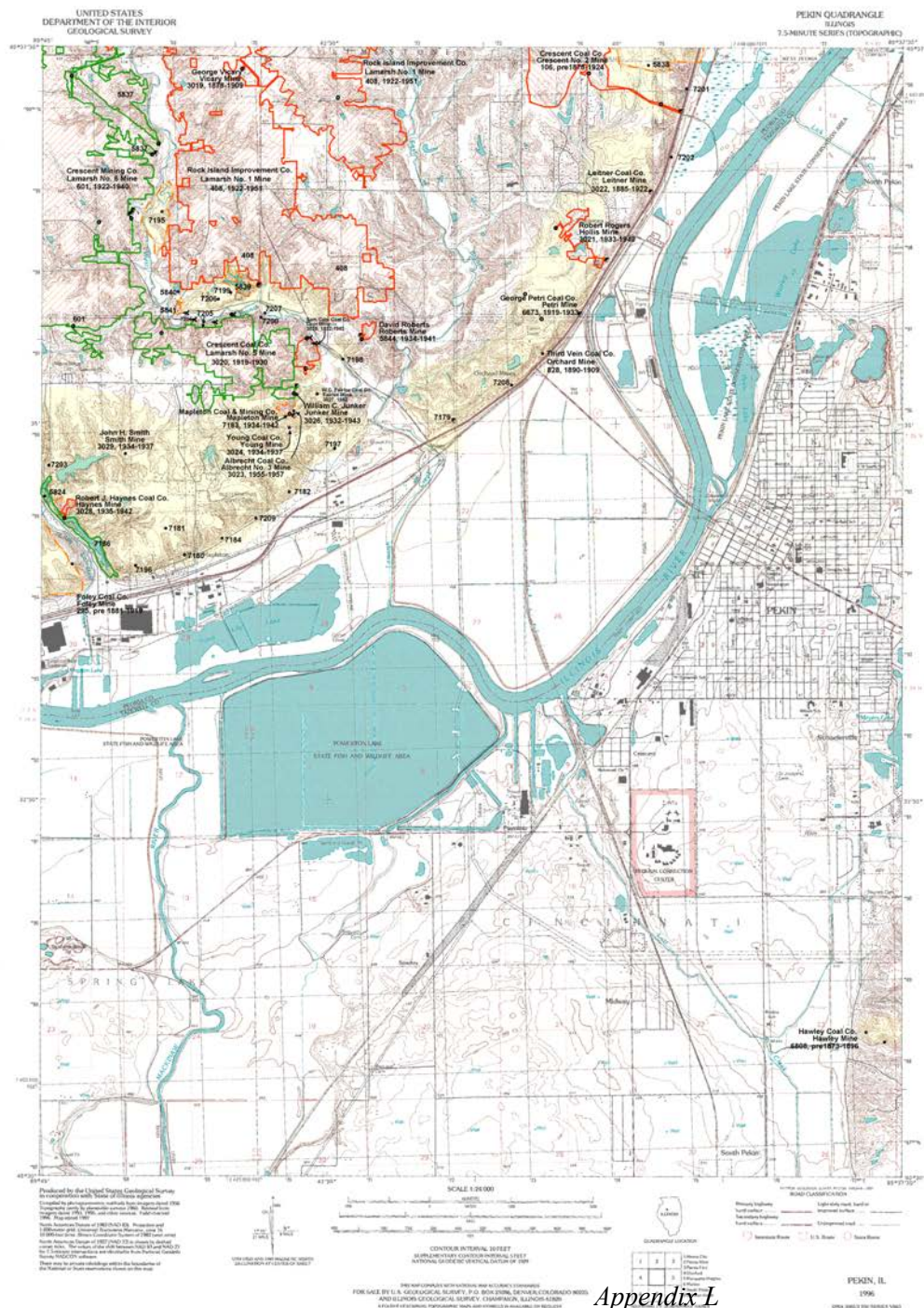
These maps were designed for use at 1:24,000. Enlarging the map may reduce accuracy, as the original scale of the source maps used to compile the outlines shown varies from 1:400 to 1:150,000, and some mine locations are known only from text descriptions. See the accompanying mine directory for the original scale of the source map used for a specific mine to check accuracy of a given portion of the map. Areas with no mines shown may still be undetermined.

The image of the U.S.G.S. Pekin Quadrangle used as a basemap was projected from the original UTM to Lambert Conformal Conic.



Institute of Natural Resource Sustainability
Illinois State Geological Survey
615 E. Peabody Dr.
Champaign, IL 61820

Mine Outlines Compiled by
Alan R. Myers Page
December 15, 2008



Coal Mines in Illinois Pekin Quadrangle Peoria and Tazewell Counties, Illinois

Colchester Coal

This map accompanies the Coal Mines Directory for the Pekin Quadrangle and map of mines in the Springfield Coal, Pekin Quadrangle. Consult the directory for a complete explanation of the information shown on this map.

- Mining Method**
- Room & Pillar (RP)
 - Room & Pillar Basic (RPB)
 - Modified Room & Pillar (MRP)
 - Room & Pillar Panel (RPP)
 - Blind Room & Pillar (BRP)
 - Checkerboard Room & Pillar (CRP)
 - High Extraction Retreat (HER)
 - Longwall (LW)
 - Underground, Method Unknown
 - Strip Mine
 - Auger Mine
 - General Area of Mining
- Other Areas Depicted**
- Non-Coal Mines
- Source of Mine Outline**
- Final Mine Map
 - Not Final Mine Map
 - Undated Mine Map
 - Incomplete Mine Map
 - Secondary Source Map

Tipple, Shaft, Slope, Drift Locations

- Strip Mine Tipple - Active
- Strip Mine Tipple - Abandoned
- Mine Shaft - Active
- Mine Shaft - Abandoned
- Mine Slope - Active
- Mine Slope - Abandoned
- Mine Drift - Active
- Mine Drift - Abandoned
- Air Shaft
- Uncertain Location
- Uncertain Type of Opening

Mine Annotation (space permitting)

- Company
- Mine Name
- ISGS Index No., Years of Operation

Disclaimer

Please check the Coal Section at the Illinois State Geological Survey's web site at <http://www.isgs.edu/coal> for the most up-to-date version of these products.

Note that each quadrangle scale inset and area map requires the use of the associated text directory for full explanation of map features and mine attributes. Also note that some quadrangles have multiple seams of mining and therefore more than one map may be available for a particular quadrangle. Please take care to check for multiple maps as extensive mining may exist in the other seams.

The maps and digital files used for these studies were compiled from data obtained from a variety of public and private sources and have varying degrees of completeness and accuracy. They present reasonable interpretations of the geology of the area and are based on available data. Locations of some features may be offset by 500 feet or more due to errors in the original source maps, the compilation process, digitizing, or a combination of these factors. These data are not intended for use in site-specific screening or decision-making. Use of these documents does not eliminate the need for detailed studies to fully understand the geology of a specific site. The Illinois State Geological Survey, Institute of Natural Resource Sustainability, or the University of Illinois make no guarantee, expressed or implied, regarding the correctness of the interpretations presented in this data set and accept no liability for the consequences of decisions made by others on the basis of the information presented here.

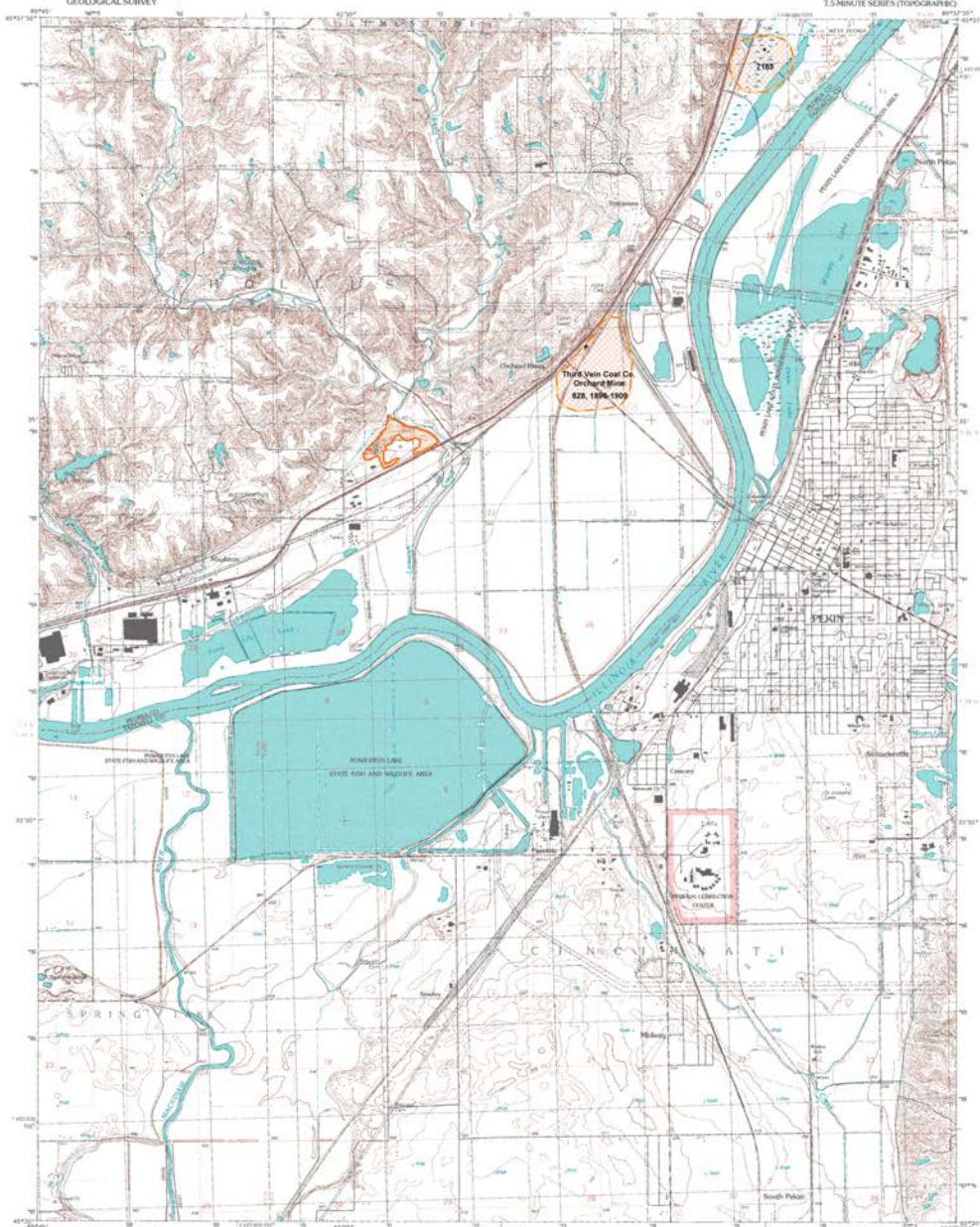
These maps were designed for use at 1:24,000. Enlarging the map may reduce accuracy, as the original scale of the source maps used to compile the outlines shown varies from 1:400 to 1:150,000, and some mine locations are known only from text descriptions. See the accompanying mine directory for the original scale of the source map used for a specific mine to check accuracy of a given portion of the map. Areas with no mines shown may still be underlain; see the uncolored mines list at the back of each mine directory.

The image of the U.S.G.S. Pekin Quadrangle used as a base map was projected from the original UTM to Lambert Conformal Conic.



Institute of Natural Resource Sustainability
Illinois State Geological Survey
615 E. Peabody Dr.
Champaign, IL 61820

Mine Outlines Compiled by
Alan R. Myers
December 15, 2008



Reproduced by the United States Geological Survey
in cooperation with the State of Illinois
Copyright by the United States Geological Survey
and the State of Illinois, 1986. All rights reserved.
This map is a reproduction of the original map
published by the United States Geological Survey
in 1986. It is not a substitute for the original map.
For more information, contact the Illinois State
Geological Survey, 615 E. Peabody Dr.,
Champaign, IL 61820.

Appendix L

PEKIN, IL
1996

USGS 7.5-MINUTE SERIES

Coal Mines in Illinois Peoria East Quadrangle

Peoria and Tazewell Counties, Illinois

This map accompanies the Coal Mines Directory for the Peoria East Quadrangle. Consult the directory for a complete explanation of the information shown on this map.

Mining Method

- Room & Pillar (RP)
- Room & Pillar Basic (RPB)
- Modified Room & Pillar (MRP)
- Room & Pillar Panel (RPP)
- Blind Room & Pillar (BRP)
- Checkerboard Room & Pillar (CRP)
- High Extraction Retreat (HER)
- Longwall (LW)
- Underground, Method Unknown
- Strip Mine
- Auger Mine
- General Area of Mining

Source of Mine Outline

- Final Mine Map
- Not Final Mine Map
- Undated Mine Map
- Incomplete Mine Map
- Secondary Source Map

Tipple, Shaft, Slope, Drift Locations

- Strip Mine Tipple - Active
- Strip Mine Tipple - Abandoned
- Mine Shaft - Active
- Mine Shaft - Abandoned
- Mine Slope - Active
- Mine Slope - Abandoned
- Mine Drift - Active
- Mine Drift - Abandoned
- Air Shaft
- Uncertain Location
- Uncertain Type of Opening

Mine Annotation

- (space permitting)
- Company
- Mine Name
- ISGS Index No., Years of Operation

Disclaimer

Please check the Coal Section at the Illinois State Geological Survey's web site at <http://www.isgs.illinois.edu> for the most up-to-date version of these products.

Note that each quadrangle scale mined-out area map requires the use of the associated text directory for full explanation of map features and mine attributes. Also note that some quadrangles have multiple seams of mining and therefore more than one map may be available for a particular quadrangle. Please take care to check for multiple maps, as extensive mining may exist in the other seams.

The maps and digital files used for these studies were compiled from data obtained from a variety of public and private sources and have varying degrees of completeness and accuracy. This compilation may present reasonable interpretation of the geologic map and is based on available data. Locations of some mine features may be offset by 500 feet or more due to errors in the original source maps, the compilation process, digitizing, or a combination of these factors. These data are not intended for use in site-specific screening or decision-making. Use of these documents does not eliminate the need for detailed studies to fully understand the geology of a specific site. The Illinois State Geological Survey, Institute of Natural Resource Sustainability, or the University of Illinois make no guarantee, expressed or implied, regarding the correctness of the interpretations presented in this data set and accept no liability for the consequences of decisions made by others on the basis of the information presented here.

These maps were designed for use at 1:24,000. Enlarging the map may reduce accuracy, as the original scale of the source maps used to compile the outlines shown varies from 1:400 to 1:150,000, and some mine locations are known only from text descriptions. See the accompanying mine directory for the original scale of the source map used for a specific mine to check accuracy of a given portion of the map. Areas with no mines shown may still be undermined; use the unmined areas list at the back of each mine directory.

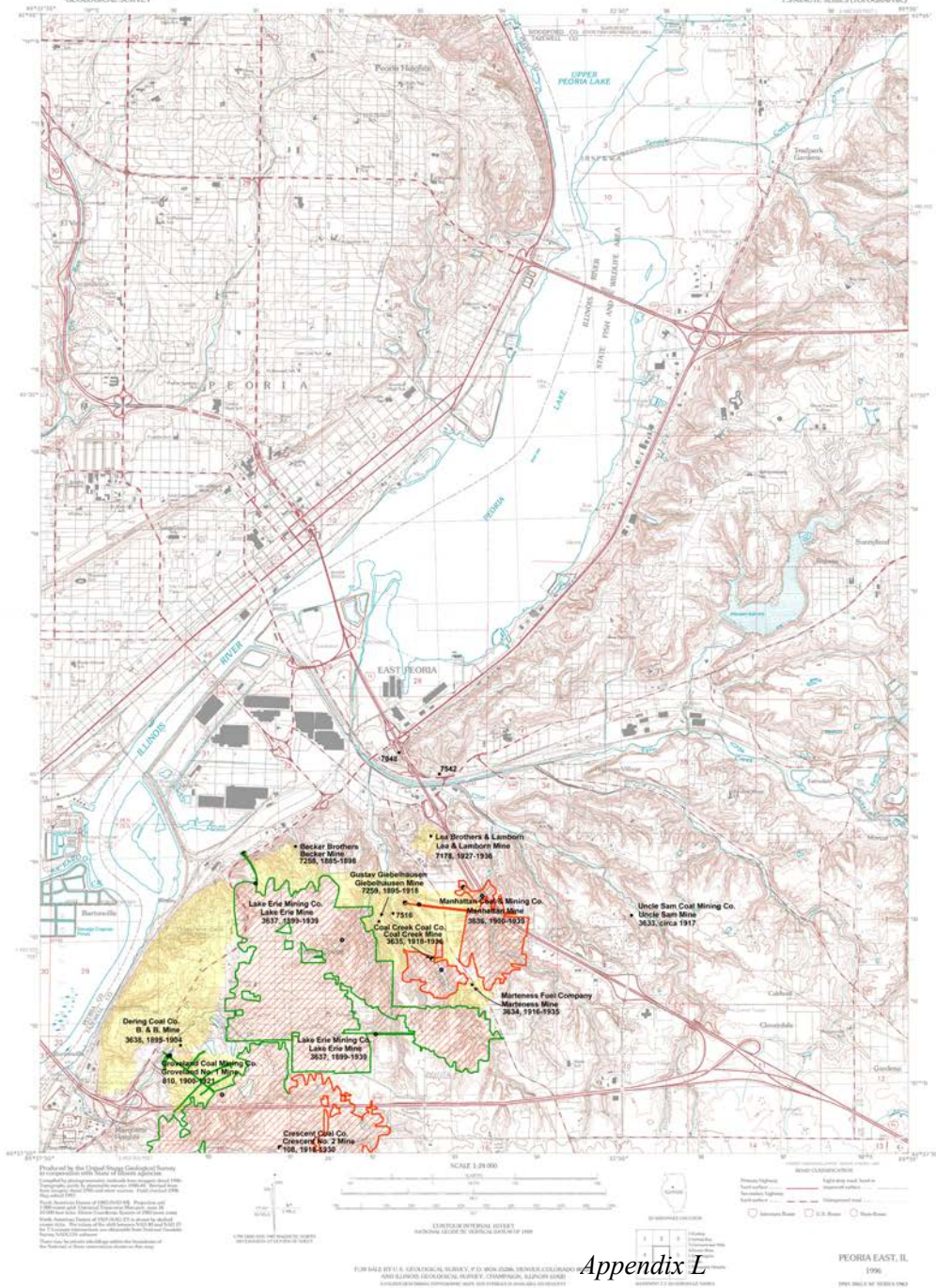
The image of the U.S.G.S. topographic base map was projected from the original UTM to Lambert Conformal Conic.



Institute of Natural Resource Sustainability
Illinois State Geological Survey
615 E. Peabody Dr.
Champaign, IL 61820

Mine Outlines Compiled by
Alan R. Myers
December 15, 2008
Page 807 of 912

Revised October 30, 2012



APPENDIX M

Plan Maintenance Checklist

We are in the process of conducting our annual evaluation/status update for our Multi-Jurisdictional Hazard Mitigation Plan. Please review the following tasks and complete and return this checklist along with the necessary forms. If you have any questions, please let us know.

Jurisdiction: _____

Prepared By: _____

Title: _____ Date: _____

TASK 1: DAMAGE INFORMATION

Has your jurisdiction sustained any natural hazard-related damages to critical facilities and infrastructure within the last year?

☐ Yes ☐ No ☐ Don't Know

If Yes, please complete and return the attached critical facilities damages questionnaire.

TASK 2: STATUS OF EXISTING PROJECTS/ACTIVITIES

Please look over the attached Mitigation Action Tables for your jurisdiction and determine whether any of the mitigation projects/activities listed have been completed or are in progress (in the planning stages.)

Does your jurisdiction have any mitigation projects/activities in progress (in the planning stages) or completed?

☐ Yes ☐ No

If Yes, please fill out and return the attached Mitigation Action Progress Report for each project/activity that has been completed or is in progress.

Has your jurisdiction undergone any changes in priorities within the last 12 months that would impact the implementation of the listed mitigation projects/activities?

☐ Yes ☐ No

If yes, please detail the changes in priorities.

Plan Maintenance Checklist

TASK 3: IDENTIFICATION OF NEW PROJECTS/ACTIVITIES

Are there any new mitigation projects/activities your jurisdiction would like to see add to the Plan? (Remember, only projects included in the Plan are potentially eligible for federal mitigation projects funding.)

☐ Yes ☐ No

If yes, please complete and return the attached New Mitigation Project Form.

TASK 4: JURISDICTION EVALUATION

Have there been any significant changes in development in your jurisdiction within the last 12 months (i.e. expansion of existing businesses, siting of new businesses, new subdivision development, or expansion of existing subdivisions, demolition of businesses/residents to create green spaces, etc.)

☐ Yes ☐ No

If yes, please specify the type of development changes.

Has your jurisdiction adopted any new/updated policies, plans, regulations, or reports (i.e., comprehensive plans, building codes, zoning ordinance, etc.) that could be incorporated into this Plan?

☐ Yes ☐ No

If yes, please provide the name of the policy, plan, regulation, or report and its purpose.

Were any components of the Hazard Mitigation Plan (i.e., mitigation actions, vulnerability analyses, etc.) integrated into any new/updated policies, plans, regulations, or reports (i.e., comprehensive plans, building codes, zoning ordinance, etc.)?

☐ Yes ☐ No

If yes, please provide the name of the policy, plan, regulation, or report and what component(s) of the hazard mitigation plan were integrated.

Plan Maintenance Checklist

TASK 4: JURISDICTION EVALUATION CONTINUED...

Do any new critical facilities or infrastructure need to be added to your jurisdiction's Critical Facilities Survey?

☐ Yes ☐ No

If yes, please provide the name and address of the facility.

What are your plans for sharing information on the Plan and its annual progress with your jurisdiction and constituents (i.e., informal presentation at board/council meeting, posting update to social media or website, etc.)?

Critical Facilities Damage Questionnaire

Supplemental information about ***damages to critical infrastructure/facilities*** (i.e., government buildings, schools, communication towers and radio equipment, water & sewer treatment facilities, hospitals, medical centers, etc.) that have ***taken place*** in the participating jurisdictions and County is needed for the risk assessment/vulnerability analysis portion of the Plan. If you could take a moment and think about the critical infrastructure damages caused by past natural hazard occurrences and provide any available information in the form below, it would be greatly appreciated.

Please complete one record for each natural hazard event that damaged a critical facility. Do not combine multiple events on one record. Additional forms are located on the back of this page. Please return the completed form(s) to Andrea or Zak. Thank you!

Jurisdiction: _____

Prepared By: _____ Date: _____

1.) Date of Event (month/day/year if possible): _____

2.) Critical Facility Damaged: _____

3.) Type of Hazard:

- | | | |
|--|---|--|
| ☐ thunderstorm
(straight-line winds) | ☐ tornado | ☐ landslide |
| ☐ hail | ☐ snow storm | ☐ sinkhole |
| ☐ lightning strike | ☐ ice storm | ☐ mine subsidence |
| ☐ heavy rain | ☐ extreme cold | ☐ earthquake |
| ☐ flood | ☐ drought | ☐ levee failure |
| | ☐ excessive heat | ☐ dam failure |

4.) Types of Damages: _____

5.) Estimate of Damages: \$ _____

Mitigation Action Progress Report

As part of the Plan Maintenance “monitoring” phase, the implementation status of each project and activity listed in the Plan for the participating jurisdictions needs to be identified.

- 1) Please review the Mitigation Action Tables provided for your jurisdiction to determine whether any of the projects/activities listed have been **“Completed”** or are **“In Progress”** (in the planning stages.)
- 2) For each project or activity that is **“Completed”** or **“In Progress”**, please fill out the following Progress Report.

Jurisdiction: _____

Prepared By: _____

Title: _____ Date: _____

Progress Report Period	From Date:	To Date:
Project/Activity Description		
Responsible Agency		
Project Status	☐ In Progress ☐ Approved by Council/Board ☐ Included in Capital Improvement Plan/Slated for Construction & Implementation ☐ Grant Completed & Submitted ☐ Letting/Contractor Selected ☐ Notice to Proceed Issued ☐ Construction Underway ☐ Anticipated Completion Date: _____ ☐ Other (please specify): _____ ☐ Completed ☐ Project Delayed ☐ Project Cancelled	

SUMMARY OF PROJECT PROGRESS FOR THIS REPORT PERIOD

What was accomplished during this reporting period for this project?			
Were any obstacles, problems or delays encountered?	☐ Yes	☐ No	☐ Don't Know
If Yes, please describe:			
If the project was delayed, is it still relevant?	☐ Yes	☐ No	☐ Don't Know
If Yes, should the project be changed/revised?			
Other comments:			

New Hazard Mitigation Projects Form

Multi-Jurisdictional Hazard Mitigation Plan

Participating Jurisdiction _____

Prepared by: _____

Title _____ Date: _____

	Project Description	Position/Organization Responsible for Implementation & Administration of the Project <i>(i.e. Mayor / City Council; Public Works Director; Fire Chief / Board of Trustees)</i>	Time Frame to Complete the Project <i>(i.e. 1 year; 5 years; 2-5 years)</i>
1.			
2.			
3.			
4.			

APPENDIX N

**REQUEST FOR COUNCIL ACTION**

Agenda Date: January 22, 2024
To: Members of the City Council
From: Dean Schneider, Public Works Director

AGENDA ITEM: Resolution No. 93-23/24 Approval for Airport T- Hanger Construction Overage due to Unsuitable Soil Conditions

DESCRIPTION: This resolution is to approve additional cost for increasing footing sizes due to unsuitable soil conditions found during excavation of the perimeter footings and interior pads. On-site inspections of soil density tests done by a licensed testing agency (see foundation plan) showed areas of unsuitable soil that could not be compacted sufficiently. The decision was made to over excavate and widen the foundation. This resulted in the placement and compaction of granular fill material prior to concrete placement. The extra cost is for the concrete overage of 141 yards of concrete and 80 tons of CA6 gravel. The extra cost is 95% reimbursable through IDOT Areonautics.

FINANCIAL IMPACT:

Requested Amount: \$47,255.81

Line Item: 525-000-150600

Budgeted Amount: \$1,441,100

Remaining Funds: \$591,819.63 (currently)

Notes: This will go over the original construction estimate for on the T-hanger. There was no contingency in the original plan.

REVIEWED BY:

Josie Esker, City Engineer
 Katherine Swise, City Attorney
 Robert Grogan, Finance Consultant
 John Dossey, City Manager
 Sue McMillan, City Clerk

Approved - 1/17/2024
 Approved - 1/18/2024
 Approved - 1/18/2024
 Approved - 1/18/2024
 Final Approval - 1/19/2024

Resolution No. 93-23/24 Approval for Airport T- Hanger Construction Overage due to Unsuitable Soil Conditions

WHEREAS, on October 24, 2022, the City Council approved a contract with Leander Construction for the construction of a T-hanger at the Pekin Municipal Airport; and

WHEREAS, due to unsuitable soil conditions discovered during excavation of the perimeter footings, Hanson Engineering has recommended revised construction plans for the foundation to compensate for the poor soil quality; and

WHEREAS, Leander Construction has provided a Change Order Request for the revised work, a copy of which is attached hereto as **Exhibit A**;and

WHEREAS, the City Council finds the revised work is necessary for the completion of the T-hanger and that the proposed Change Order is reasonable.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS, THAT:

Section 1. The foregoing findings and recitals are found to be true and correct and are incorporated herein.

Section 2. The Change Order Request submitted by Leander Construction and attached hereto as **Exhibit A** is approved.

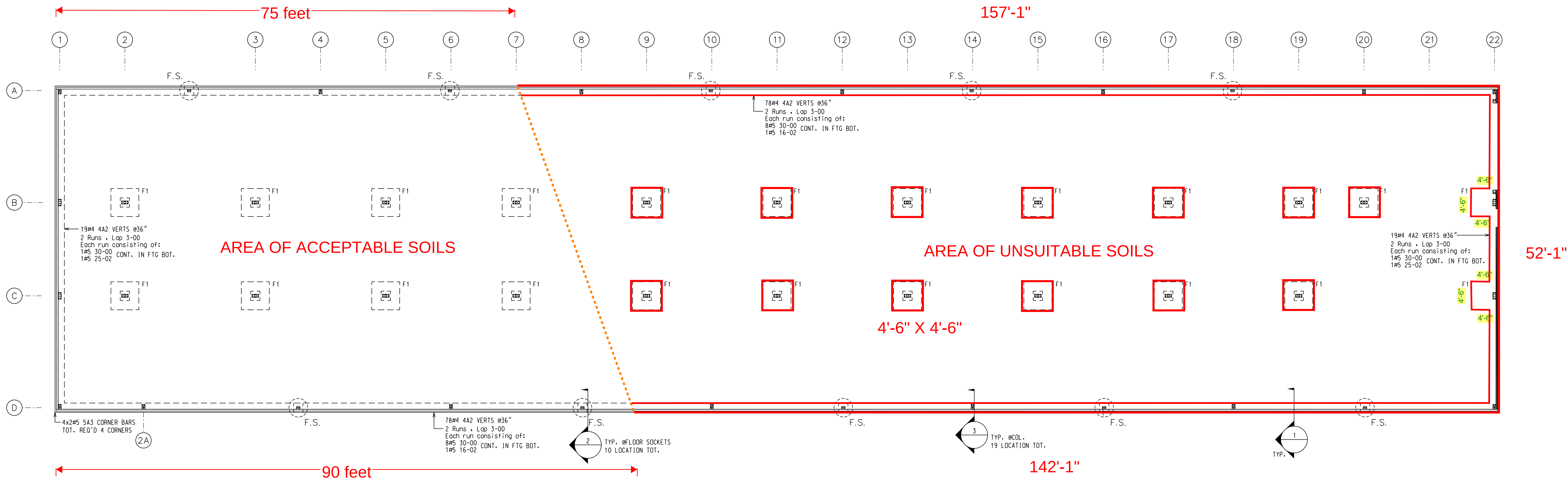
RESULT:	(0 TO 0)
MOVER:	None
SECONDER:	None
AYES:	None
NAYS:	None
ABSTAIN:	None

ADOPTED AND APPROVED at a Regular meeting of the City Council of the City of Pekin this _____ day of _____, 20____.

Mayor

ATTEST:

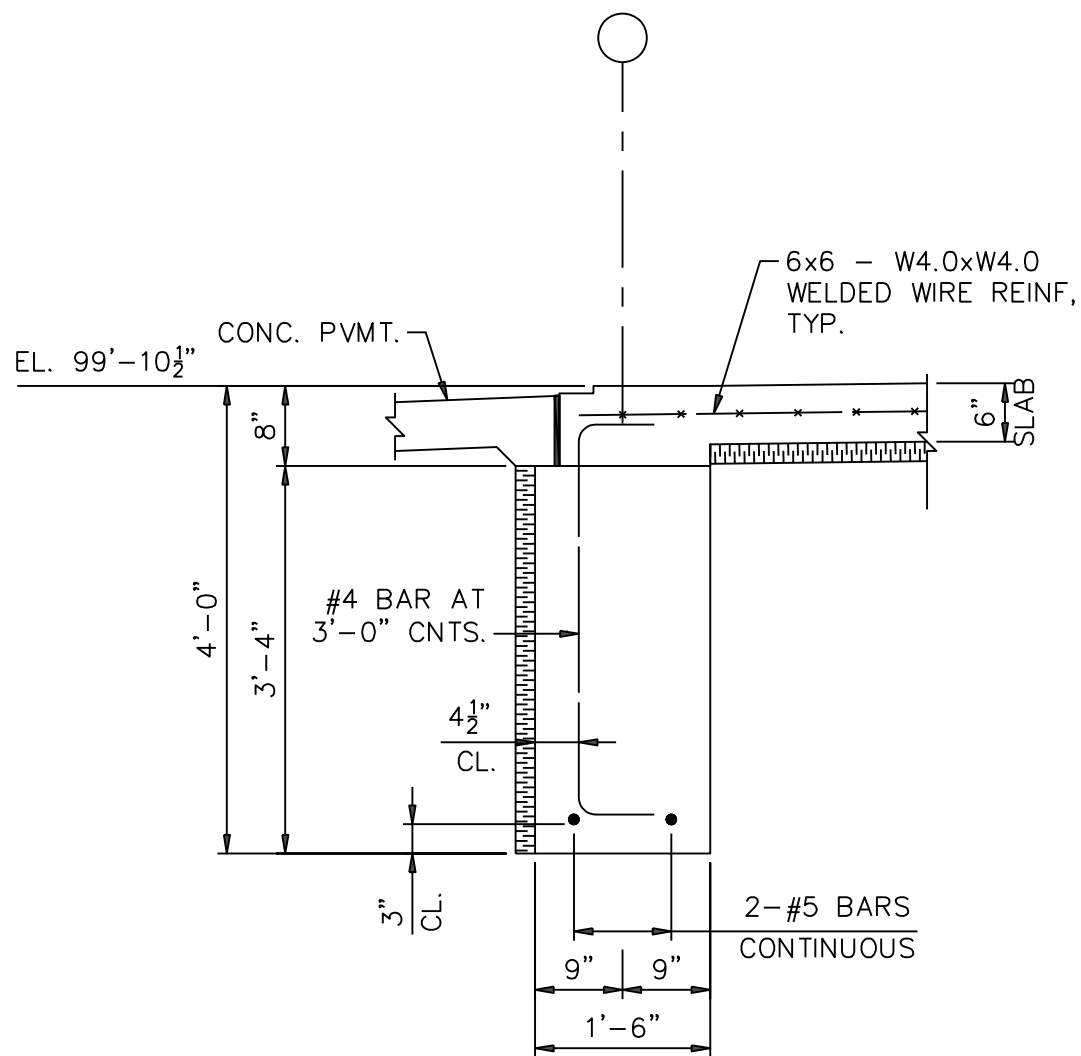
City Clerk



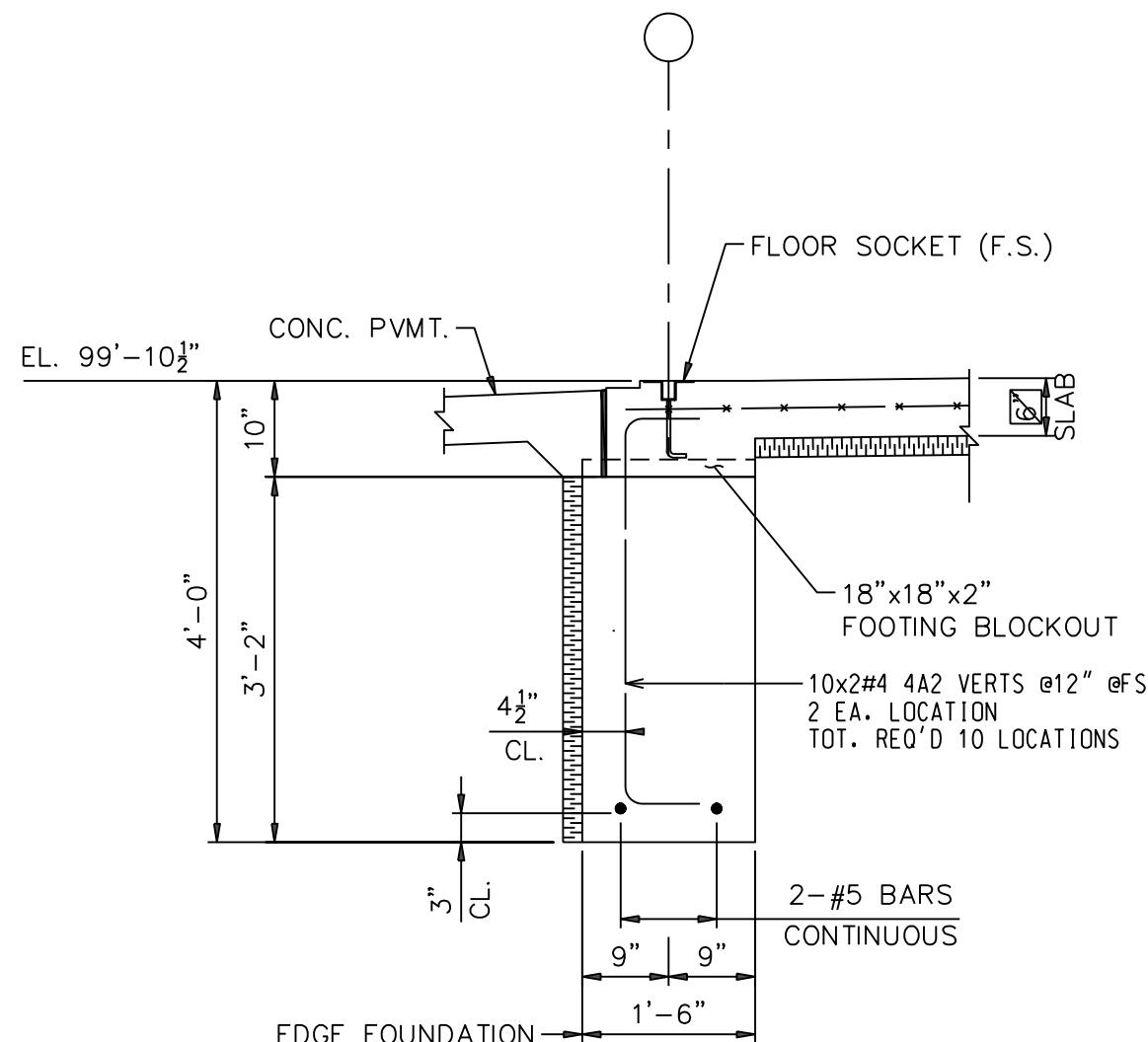
FOUNDATION PLAN

LABEL	RQ	PL	QTY	PLAN LOCATION: FDN		PLACING NOTES
				SIZE	LENGTH BARMARK	
F1	2x	10	Cross Ref.: F1			4'-6" x 4'-6" x 3'-4"
			5	4-00		IN FTG 1/2 EW 1/2 T&B EQ. SP.
			4		4A1	STANDEES @48" EW

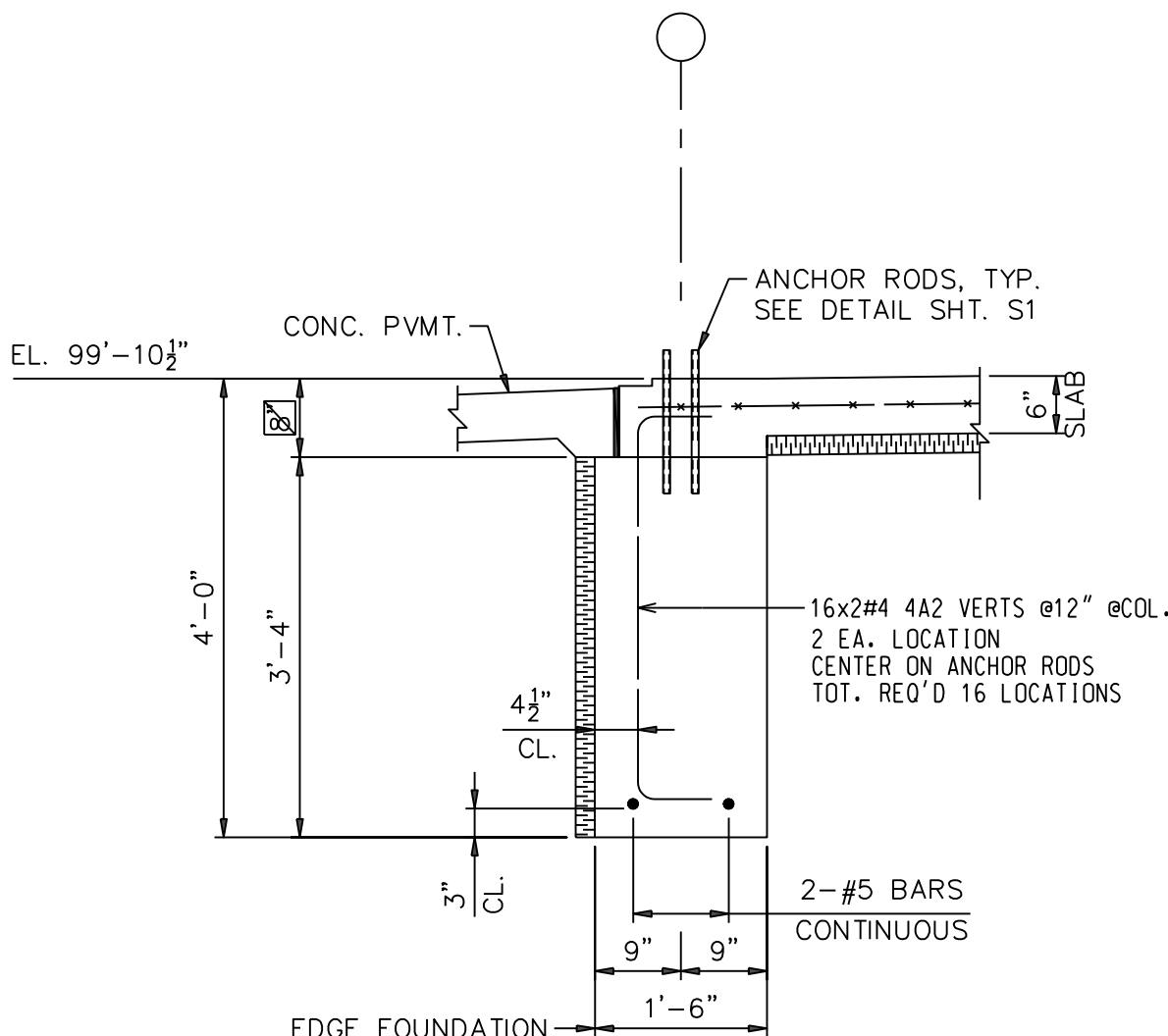
All interior footings and perimeter footings to be 4'6"x4'-6"x3'-4"- LCI



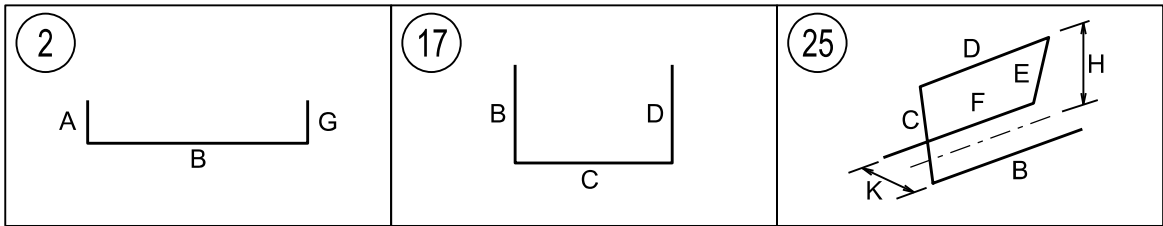
1 SECTION



2 SECTION



3 SECTION



SIZE	EP	BAR MARK	V	BND TYP	CD	BENDING DIMENSIONS									
						A	B	C	D	E	F/R	G	H	J	K O
5		5A3		17			3-00	3-00							
4		4A1		25		1-06	2-092	1-06	2-092	1-06			2-082		1-041
4		4A2		2		0-08	3-06					0-08			

IF Inside Face T Top ALT Alternate
OF Outside Face B Bottom ADDL Additional
EF Each Face V Vertical CONT Continuous
NF Near Face H Horizontal LONG Longitudinal
FF For Face BM Beam DNL Dowel
EA Each SB Support Bar FTG Footing
EW Each Way OC On Center SUPT Supporting

REBAR IS ASTM A615 GRADE 60 U.N.O.

Reinforcing steel placing drawings are only to be used in conjunction with the Engineer's and Architect's contract drawings. Any specifications, elevations, dimensions and etc. shown on this drawing are for detailing purposes only and should not be used for construction unless verified by the Engineer or Architect.

This drawing is the property of Midwest Construction Materials and shall not be electronically reproduced or modified without permission.

MIDWEST
Construction Materials

3825 S. Mount Zion Road
Decatur, IL 62521
Tel: 217.864.1278
Fax: 217.864.1285

TITLE FOUNDATION PLAN

ARCHITECT/ENGINEER FRANKENHOFF CONSULTING, INC.

PROJECT PEKIN MUNICIPAL AIRPORT T-HANGAR

LOCATION PEKIN, IL

CUSTOMER OTTO BAUM

DRAWN BY MWIEBER CHECKED BY DATE 26JUN23

JOB # MCM062623A

DWG # F1

REV	DATE	DESCRIPTION	SENT FOR
1	25JUL23	REVISED	RESUBMIT



Overdig Conc -

Perimeter :

$$157.08 + 52.08 + 142.08 = 351.25'$$

$$157.08 + 52.08 + 142.08 + 4(4.5 - 1.5) = 363.25'$$

$$714.5'$$

$$\text{Volume} = \frac{(714.5' \times 3'-4" \times 1')}{27} = 88.2 \text{ CY}$$

Interior foundations : (4'-6" x 4'-6")

$$\begin{array}{r} 5' \times 4 = 20' \\ \times 13 \text{ foundations} \\ \hline 260' \end{array}$$

$$\text{Volume} : \frac{(260 \times 3'-4" \times 1)}{27} = 32.1 \text{ CY}$$

$$\text{Total: } \underline{120.3 \text{ CY}}$$



Change Order Request

Leander Construction Inc
24472 N. County Highway 6
Canton, IL 61520
Phone: 309-647-7400

A/E : Hanson Professional Services, Inc.
1525 S. 6th Street
Springfield, IL 62703
Phone: 217-788-2450
Project #21A0016D

Date: Tuesday, January 9, 2024

Owner : City of Pekin
111 South Capitol Street
Pekin, IL 61544

Project: Pekin Airport T-Hanger
13906 Airport Lane
Pekin, IL 61554

Change Order Request #4: -Overdig Footings and Piers

Reference: See attached Otto Baum

Details:

Overdig perimeter footings and interior piers and backfill with 18" of CA6 backfill per MET recommendations and Bank Pour footings.

Item : 1 Overdig Footings and Piers

Phase	Description	U.O.M	Cost Type	Unit Cost	Estimated Cost
<u>Subs</u>					
030000-000-00-	z. Concrete - Otto Baum	0.00 LS	Subs	0.00	42,693.83
See attached Otto Baum Change Order No.1 dated 01-04-2024.					
Subtotal Item 1					42,693.83
Cost Type Recap:					
4 Subcontracts		% Mark up	Mark up Amt	Cost Types w/mrkup	
		5.00%	2,134.69	44,828.52	
Subtotal Item 1 w/mrkup					44,828.52
Bonds & Insurance					
				2.00%	896.57
Small Tool - % Labor				2.00%	0.00
Safety - % Labor				1.00%	0.00
Requested Total For Item 1 - Overdig Footings and Piers					\$45,725.09

Item : 2 Unsuitable Soils Testing

Phase	Description	U.O.M	Cost Type	Unit Cost	Estimated Cost
<u>Mat'l</u>					
015730-050-00-	ak. Project Testing Service	0.00 LS	Mat'l	0.00	1,429.25
See attached Millennia Invoice dated 10-13-2023.					
Subtotal Item 2					1,429.25
Cost Type Recap:					
1 Material		% Mark up	Mark up Amt	Cost Types w/mrkup	
		5.00%	71.46	1,500.71	
Subtotal Item 2 w/mrkup					1,500.71
Bonds & Insurance					
				2.00%	30.01
Small Tool - % Labor				2.00%	0.00
Safety - % Labor				1.00%	0.00
Requested Total For Item 2 - Unsuitable Soils Testing					\$1,530.72

Leander reserves the right to modify or cancel proposal if not Accepted within 30 days

Total For Change Order Request	4	\$47,255.81
--------------------------------	---	-------------

Total Additional Contract Work Days Required	0
--	---

Approved By: City of Pekin

Signed: _____

Date: _____

Submitted By: Leander Construction Inc

Signed:

Date:



Digitally signed by Mark Hoffman
DN: C=US,
E=mark@leandersonconstructioninc.com,
O="Leander Construction, Inc.",
CN=Mark Hoffman
Date: 2024.01.10 07:41:02-06'00'

CHANGE ORDER REQUEST #01

OTTO BAUM COMPANY, INC.

MASONRY-CONCRETE-EXCAVATING CONTRACTORS

866 N. Main Street, Morton IL 61550

Phone: 309- 266-7114 / Fax: 309-263-1050

To: Leander Construction

Date: 1/4/2024

Project: Pekin Airport New T-Hangar

OBCI Job #: 23-08-006

Attn:

EWO# 47701, 54413, 54414, 54415, 54420, 54824

Remove and replace unsuitable soils

**WE ARE REQUESTING THAT YOU PROMPTLY REVIEW THE FOLLOWING
MATTER AND ISSUE AN APPROPRIATE CHANGE ORDER TO OUR CONTRACT**

Enclosed are Time & Material Work Orders for work which exceeded the scope of our original contract.

*******This is not an invoice*******

Please issue a change order in the amount of

\$42,693.83

so we may add to our Schedule of Values and bill for this extra work.

If you have any questions you may contact:

Justin Thomas

or myself.

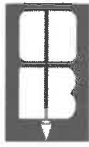
Thank you,

Stephanie Benson

Project Administrator, Commercial Concrete

stephaniebenson@ottobaum.com

EXTRA WORK ORDER



**OTTO BAUM
COMPANY, INC.**

CONTRACTORS

866 N. Main • Morton, IL 61550-0161
Phone: 309.266.7114 • Fax: 309.263.1050

Date 8-29-23

47701

Charge Contractor Leander

Address _____

Phone _____

Authorized by _____

Signature _____

Title Superintendent

Print Name Austin Snider

Job. No. 23-08-006

Project Pekin Airport

Location _____

Submitted by _____

Signature _____

Title _____

Print Name J-me Wahl

Description of Work overdig footings & add
CAB to accommodate poor subgrade
6 locations

CL-02-3130-00099

Reason for Charge (CHECK ONE)

- ☐ New Work (No Previous Agreement)
☒ Exceeds Scope of Original Agreement
☐ Other _____

LABOR	Name	Occupation	Straight Time		Overtime		Office Use Only Amount
			Hours	Rate	Hours	Rate	
	J. Wall	LF	8	112			896 -
	A. Hollis	Lab	8	94			768 -
	J. Braun	DE	8	130	.5	160	1120 -
	P. Wilkerson	FF	4	118			472 -

LABOR TOTAL → 3256 -

EQUIPMENT & TOOLS (Baum-Owned)

Hours	Rate	Amount
8.5	120	1020 -

EQUIPMENT & TOOLS TOTAL → 1020 -

MATERIAL / SUBCONTRACTORS / RENTALS

Item	Source (Attach Del. Tickets)	Quantity	Unit Price	Amount
✓ trucking	searle	1 hr	105	105 -
✓ C.A. 6	Pekin sand & Gravel	43.04	13/ton	559.52
✓ H ₂ O meter	R+E	TBD		
Compactor	A-2 Rental	TBD		
Ex - 315	Rental	8.5	70	595 -

Tax not included above

M / S / R Subtotal

O.H.P. Fee 15 %

MAT'L / SUBS / RENTAL TOTAL →

TOTAL DUE →

Revised

EXTRA WORK ORDER



**OTTO BAUM
COMPANY, INC.**

CONTRACTORS

866 N. Main • Morton, IL 61550-0161
Phone: 309.266.7114 • Fax: 309.263.1050

Date 8-30-2023

54413

Charge
Contractor Leader Con.

Address _____

Phone _____

Authorized by _____

Signature [Signature]

Title Superintendent

Print Name Austin Snider

Job. No. 23-8-006

Project Rekin Airport New T Hangar

Location Rekin

Submitted by _____

Signature [Signature]

Title Laborer

Print Name Jamie Wall

Description of Work Overdig in center footings
replacing with CA 6 in lifts 8" and Pouring
back 12 center footings

Reason for Charge (CHECK ONE)

☐ New Work (No Previous Agreement)

☐ Exceeds Scope of Original Agreement

☒ Other Overdigging center footings

LABOR	Name	Occupation	Straight Time		Overtime		Office Use Only Amount
			Hours	Rate	Hours	Rate	
	J. Wall	Laborer	8	112			896 -
	J. Braun	Operator	8	130	.5	160	1120 -
	A. Hollis	Laborer	8	96			768 -
	S. Baum	Laborer	5	112			560 -
	D. Vogel	Operator	3	130			390 -

LABOR TOTAL → 3734 -

EQUIPMENT & TOOLS (Baum-Owned)

	Hours	Rate	Amount
<u>Cat 299D</u>	8	110	880 -

EQUIPMENT & TOOLS TOTAL → 880 -

MATERIAL / SUBCONTRACTORS / RENTALS

Item	Source (Attach Del. Tickets)	Quantity	Unit Price	Amount
<u>Cat 315 ✓</u>	<u>Cat Rental</u>	3	70	210 -
<u>Water Trailer ✓</u>	<u>H-E Ego Serv.</u>		TBD	
<u>Trailer ✓</u>	<u>H-E Ego Serv A-2</u>		TBD	
<u>Room ✓</u>	<u>Cat Rental</u>		TBD	
<u>Rock Ca 6 ✓</u>	<u>Rekin Sand and Gravel</u>	57.66 tons	13	671 58
<u>Concrete ✓</u>	<u>Roanoke Con.</u>	42 yards	111.75	4693 50
<u>Rock Truck ✓</u>	<u>Sealke Trucking Inc.</u>	8 HRS	105	840 -

Tax not included above

M / S / R Subtotal

O.H.P. Fee 15 %

MAT'L / SUBS / RENTAL TOTAL → 7377 34

TOTAL DUE → 11991 34

EXTRA WORK ORDER



**OTTO BAUM
COMPANY, INC.**

CONTRACTORS

866 N. Main • Morton, IL 61550-0161
Phone: 309.266.7114 • Fax: 309.263.1050

Date 8-31-2023

54414

Charge
Contractor Heawder Construction Inc.

Address _____

Phone _____

Authorized by _____

Signature [Signature] Title Superintendent

Print Name Justin Snider

Description of Work Poured back center footings then we started overdig on East side footing where side walls fell in more after we dig to make them wider than 3'6".

Job. No. 23-8-006

Project Pekin Airport T Hangar

Location Pekin Ill

Reason for Charge (CHECK ONE)

☐ New Work (No Previous Agreement)

☐ Exceeds Scope of Original Agreement

☐ Other overdig on East side footing and Rock

Submitted by _____

Signature [Signature] Title Laborer

Print Name Jamie Wall

LABOR	Name	Occupation	Straight Time		Overtime		Office Use Only Amount
			Hours	Rate	Hours	Rate	
	J. Wall	Laborer	03	112			336 -
	J. Braun	Operator	8.0	130	.5	160	1120 -
	A. Hollis	Labor	03	96			288 -
	P. Wilkinson	Finisher	03	118			354 -
	D. Fogly	Operator	6	130			780 -

LABOR TOTAL → 2878 -

EQUIPMENT & TOOLS (Baum-Owned)	Hours	Rate	Amount
<u>Cat skid 299D18</u>	6	110	660 -

EQUIPMENT & TOOLS TOTAL → 660 -

MATERIAL / SUBCONTRACTORS / RENTALS				
Item	Source (Attach Del. Tickets)	Quantity	Unit Price	Amount
<u>Cathoe 315 ✓</u>	<u>Cat Rental</u>	8	70	560 -
<u>Broom ✓</u>	<u>Cat Rental</u>		TBD	
<u>Water trailer ✓</u>	<u>H.E. Rental Serv.</u>		TBD	
<u>Tramper</u>	<u>H.E. Rental Serv. A-Z</u>			
<u>Truck ✓</u>	<u>Scardle Trucking Inc.</u>	8	105	840 -
<u>Ca 6 ✓</u>	<u>Pekin Sand and Gravel Inc.</u>	39.28	13	510.64
<u>Concrete ✓</u>	<u>Roanoke Concrete Products Co.</u>	32.50	111.75	3631.88

Tax not included above

M / S / R Subtotal 5542.52

O.H.P. Fee 15 % 831.38

MAT'L / SUBS / RENTAL TOTAL → 6473.90

TOTAL DUE → 10,011.90

EXTRA WORK ORDER



**OTTO BAUM
COMPANY, INC.**
C O N T R A C T O R S

866 N. Main • Morton, IL 61550-0161
Phone: 309.266.7114 • Fax: 309.263.1050

Date 9-1-2023

54415

Charge
Contractor Leander Construction Inc.
Address _____

Phone _____

Authorized by
Signature [Signature] Title Superintendent

Print Name Andrew Snider

Job. No. 23-8-006

Project Pekin Airport New T Hangar

Location Pekin IL

Submitted by
Signature [Signature] Title Labor Foreman

Print Name Jamie Wall

Description of Work Poured back East Side footing
after over dig

Reason for Charge (CHECK ONE)

- ☐ New Work (No Previous Agreement)
☐ Exceeds Scope of Original Agreement
☒ Other Pour back after over dig

LABOR	Name	Occupation	Straight Time		Overtime		Office Use Only Amount
			Hours	Rate	Hours	Rate	
	Jamie Wall	Labor Foreman	3	112			336 -
	Andrew Hollis	Labor	3	96			288 -
	Thomas Bennett	Operator	3	130			390 -
	Jacob Braun	Operator	3	130			390 -
	Paul Wilkerson	Finisher Foreman	3	118			354 -

LABOR TOTAL → 1758 -

EQUIPMENT & TOOLS (Baum-Owned)		Hours	Rate	Amount
<u>Cat SKid 299 Dis</u>		3	110	330 -

EQUIPMENT & TOOLS TOTAL → 330 -

MATERIAL / SUBCONTRACTORS / RENTALS				
Item	Source (Attach Del. Tickets)	Quantity	Unit Price	Amount
Truck ✓	Searle Truck Inc	6.5	105	682 50
Water trailer ✓	H.E. Rental Serv.			
Tamper	H.E. Rental Serv.			
Ca 6 ✓	Pekin Sand and Gravel	40.43 tons	13	525 59
Broom ✓	Cat Rental			
Roanoke Concrete ✓	Roanoke Concrete	30	TBD	3352 50
315 Cat ✓	Attorfer	3	70	210 -

Tax not included above

M / S / R Subtotal 4770 59

O.H.P. Fee 15 % 715 59

MAT'L / SUBS / RENTAL TOTAL → 5486 18

TOTAL DUE → 7574 18

EXTRA WORK ORDER



**OTTO BAUM
COMPANY, INC.**

CONTRACTORS

866 N. Main • Morton, IL 61550-0161
Phone: 309.266.7114 • Fax: 309.263.1050

Date 9-5-2023

54420

Charge

Contractor Arander Construction

Address

Phone

Authorized by

Signature

Title Superintendent

Print Name Arthur Snider

Job. No. 23-8-006

Project Pekin Airport T Hangar

Location Pekin Ill

Submitted by

Signature J Wall

Title Lab/foreman

Print Name Jamie Wall

Description of Work Over dig west side footing
1'x1'x1'6" over - Pilled back in 8" lifts with
CaG

Reason for Charge (CHECK ONE)

☐ New Work (No Previous Agreement)

☐ Exceeds Scope of Original Agreement

☒ Other Over dig on west side footing and Pilled

LABOR	Name	Occupation	Straight Time		Overtime		Office Use Only Amount
			Hours	Rate	Hours	Rate	
	J. Wall	Lab/foreman	4	112			448 -
	J. Braun	Operator	4	130			520

LABOR TOTAL → 968 -

EQUIPMENT & TOOLS (Baum-Owned)	Hours		Rate	Amount
	Hours	Rate		
<u>299 D 15</u>	4	110		440 -

EQUIPMENT & TOOLS TOTAL → 440 -

MATERIAL / SUBCONTRACTORS / RENTALS				
Item	Source (Attach Del. Tickets)	Quantity	Unit Price	Amount
<u>Est 315 ✓</u>	<u>Car Rental</u>			
<u>Winter Tractor ✓</u>	<u>H.C. Rental Serv.</u>			
<u>Tractor</u>	<u>Netland Rental</u>			
<u>Broom ✓</u>	<u>Cost. Rental</u>			
<u>Truck ✓</u>	<u>Senio Trucking</u>	4 hrs	105	420 -
<u>CaG ✓</u>	<u>Pekin Sand and gravel</u>	414.85 tons	13	5393.05

Tax not included above

M / S / R Subtotal

O.H.P. Fee 15 %

MAT'L / SUBS / RENTAL TOTAL → 1153.51

TOTAL DUE → 2561.51

EXTRA WORK ORDER



**OTTO BAUM
COMPANY, INC.**

CONTRACTORS

866 N. Main • Morton, IL 61550-0161

Phone: 309.266.7114 • Fax: 309.263.1050

Date(s) 9-6-2023

No. 54824

Charge/

Contractor Heander Construction

Address

Phone

Authorized by

Signature

Title Superintendent

Print Name Arthur Snider

Job No. 23-8-006

Project Perkin Airport New Hangar

Location Perkin IL

Submitted by

Signature

Title Labor Foreman

Print Name James Wall

Description of Work Poured concrete in West Side

footings and split time in per back 150' x 3.6" x 40"

Reason for Charge (CHECK ONE)

☐ New Work (No previous Agreement)

☐ Exceeds Scope of Original Agreement

☒ Other Poured West Side footings

LABOR	Name	Occupation	Straight Time		Overtime		Office Use Only Amount
			Hours	Rate	Hours	Rate	
	J. Wall	Labor Foreman	2	112			224 -
	A. Hollis	Labor	2	96			192 -
	A. Finley	Finisher	2	102			204 -
	JACK Braun	Operator	1	130			130 -

LABOR TOTAL →

620 -

EQUIPMENT & TOOLS (Baum-Owned)

	Hours	Rate	Amount
<u>Cat Skid 299a</u>	1	110	110 -

EQUIPMENT & TOOLS TOTAL →

110 -

MATERIAL / SUBCONTRACTORS / RENTALS

Item	Source (Attach Del. Tickets)	Quantity	Unit Price	Amount
<u>Roanoke Concrete</u>	<u>Roanoke concrete Products</u>	<u>43 yds</u>	<u>11.75</u>	<u>4805.25</u>
<u>Barren for Skid</u>	<u>Cat Rental Sec.</u>	<u>40.7 yds</u>		<u>4548 22</u>

Tax not included above

M / S / R Subtotal

O.H.P. Fee 15 %

MATL / SUBS / RENTAL TOTAL →

TOTAL DUE →

4548 22

682 23

5230 45

5,850 45

Pekin Sand & Gravel LLC

P.O. Box 578
Pekin, IL 61554

INVOICE 13679

Telephone: 309347-8917

SEP 6 2023

Bill To: Otto Baum & Sons Inc.
866 N. Main St.
Morton, IL 61550-0161

Invoice Date: 09/01/2023

Account: OttoBaum&S

Terms: Net End of Month

Date	Ticket	Description	Qty	Units	Rate	Charge	Frft/Other	Tax	Total
08/29/2023	139738	410 CA-6	21.20	Tons	13.00	\$275.60		\$0.00	\$275.60
08/29/2023	139747	410 CA-6	21.84	Tons	13.00	\$283.92		\$0.00	\$283.92
08/30/2023	139811	410 CA-6	11.60	Tons	13.00	\$150.80		\$0.00	\$150.80
08/30/2023	139823	410 CA-6	13.17	Tons	13.00	\$171.21		\$0.00	\$171.21
08/30/2023	139826	410 CA-6	13.51	Tons	13.00	\$175.63		\$0.00	\$175.63
08/30/2023	139838	410 CA-6	13.38	Tons	13.00	\$173.94		\$0.00	\$173.94
08/31/2023	139902	410 CA-6	13.20	Tons	13.00	\$171.60		\$0.00	\$171.60
08/31/2023	139947	410 CA-6	12.78	Tons	13.00	\$166.14		\$0.00	\$166.14
08/31/2023	139972	410 CA-6	13.30	Tons	13.00	\$172.90		\$0.00	\$172.90
09/01/2023	139992	410 CA-6	13.86	Tons	13.00	\$180.18		\$0.00	\$180.18
09/01/2023	140010	410 CA-6	13.52	Tons	13.00	\$175.76		\$0.00	\$175.76
09/01/2023	140025	410 CA-6	13.05	Tons	13.00	\$169.65		\$0.00	\$169.65
12 Item/s (BaumAirpor) Pekin Airport 23-0			174.41	Tons		\$2,267.33		\$0.00	\$2,267.33
08/28/2023	139698 ✓	125 FA-6 Fill Sand	13.66	Tons	5.00	\$68.30		\$0.00	\$68.30
08/28/2023	139703 ✓	125 FA-6 Fill Sand	12.42	Tons	5.00	\$62.10		\$0.00	\$62.10
08/29/2023	139758 ✗	410 CA-6	13.28	Tons	13.00	\$172.64		\$0.00	\$172.64
08/29/2023	139769 ✗	410 CA-6	12.87	Tons	13.00	\$167.31		\$0.00	\$167.31
08/29/2023	139779 ✗	410 CA-6	13.70	Tons	13.00	\$178.10		\$0.00	\$178.10
08/29/2023	139783 ✗	410 CA-6	12.74	Tons	13.00	\$165.62		\$0.00	\$165.62
08/29/2023	139784 •	125 FA-6 Fill Sand	13.49	Tons	5.00	\$67.45		\$0.00	\$67.45
08/29/2023	139790 ✗	410 CA-6	13.45	Tons	13.00	\$174.85		\$0.00	\$174.85
08/29/2023	139791 •	125 FA-6 Fill Sand	12.23	Tons	5.00	\$61.15		\$0.00	\$61.15
08/29/2023	139798 ✗	125 FA-6 Fill Sand	12.71	Tons	5.00	\$63.55		\$0.00	\$63.55
08/30/2023	139819	125 FA-6 Fill Sand	13.14	Tons	5.00	\$65.70		\$0.00	\$65.70
08/30/2023	139820 ✗	125 FA-6 Fill Sand	13.45	Tons	5.00	\$67.25		\$0.00	\$67.25
08/30/2023	139821	125 FA-6 Fill Sand	12.41	Tons	5.00	\$62.05		\$0.00	\$62.05
08/30/2023	139870 □	125 FA-6 Fill Sand	13.56	Tons	5.00	\$67.80		\$0.00	\$67.80
08/30/2023	139896	125 FA-6 Fill Sand	12.62	Tons	5.00	\$63.10		\$0.00	\$63.10
08/31/2023	139907	125 FA-6 Fill Sand	13.16	Tons	5.00	\$65.80		\$0.00	\$65.80
08/31/2023	139913	125 FA-6 Fill Sand	13.15	Tons	5.00	\$65.75		\$0.00	\$65.75
08/31/2023	139917 ✗	410 CA-6	13.57	Tons	13.00	\$176.41		\$0.00	\$176.41
08/31/2023	139929 ✗	410 CA-6	13.70	Tons	13.00	\$178.10		\$0.00	\$178.10
09/01/2023	139994 Δ	125 FA-6 Fill Sand	13.38	Tons	5.00	\$66.90		\$0.00	\$66.90
20 Item/s (BaumDerby) Derby St.23-03-011			262.69	Tons		\$2,059.93		\$0.00	\$2,059.93 ✓

7 02-7200-00099 \$61.80
 31101200 CA6 \$123.03
 ✓ 550A0050 \$130.40
 K 20056650 \$130.80
 Δ 20056652 \$66.90
 • 20056648 \$128.60

8/30 + 8/31
 no tickets
 unknown \$322.40

P.O. Box 578
Pekin, IL 61554

Telephone: 309347-8917

Terms: Net End of Month

Page 830 of 912

Invoice



Remit To: **Roanoke Concrete Products**
1275 Spring Bay Road
East Peoria, IL 61611
309-698-7882

Invoice No.: **233585**
Invoice Date.: **08/30/2023**

Sold To: **Otto Baum Company, Inc.**
866 North Main St.
Morton IL 61550

Account Code: **BAUMO**
Purchase Order: **23-08-006**

23-08-006

Project Name: **Pekin Airport Hanger-Pekin**
Delivery Addr: **AIRPORT PEKIN**

Job Name: **Pekin Airport Hanger**
Terms: **None**

Ticket Date	Ticket#	Order #	Product Description	Quantity	Price	Extended
08/30/2023	2059471	203	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/30/2023	2059472	203	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/30/2023	2059475	203	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/30/2023	2059477	203	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/30/2023	2059479	203	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/30/2023	2059484	203	4500# CONCRETE WHITE ROCK	3.00	111.75	335.25
08/30/2023	2059485	203	4500# CONCRETE WHITE ROCK	8.00	111.75	894.00
08/30/2023	2059487	203	4500# CONCRETE WHITE ROCK	8.00	111.75	894.00
08/30/2023	2059488	203	4500# CONCRETE WHITE ROCK	8.00	111.75	894.00

42 CY Is Additional

Discount of: 0.00 may be taken if paid by: 09/29/2023
Total Quantity: 72.00 cy

Pre-Tax Amount:	8,046.00
Tax Amount:	0.00
Invoice Amount:	8,046.00

The above named debtor is liable for all legal fees and costs incurred in connection with any legal action taken to collect the balance due herein.

We will not assume any responsibility for damage beyond curb line 1-1/2% per month (18% annual rate) service charge after 30 days. (\$3.00 minimum) Return merchandise carries a 25% restocking, plus pickup charge if applicable.

Net payable by 10th of following month

The "Beautiful Concrete" People

Invoice



Remit To: **Roanoke Concrete Products**
1275 Spring Bay Road
East Peoria, IL 61611
309-698-7882

Invoice No.: 233665
Invoice Date.: 08/31/2023

Sold To: Otto Baum Company, Inc.
866 North Main St.
Morton IL 61550

Account Code: BAUMO
Purchase Order: 23-08-006

Project Name: Pekin Airport Hanger-Pekin
Delivery Addr: AIRPORT PEKIN

Job Name: Pekin Airport Hanger
Terms: None

Ticket Date	Ticket#	Order #	Product Description	Quantity	Price	Extended
08/31/2023	2059498	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/31/2023	2059499	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/31/2023	2059502	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/31/2023	2059503	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/31/2023	2059506	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/31/2023	2059508	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
08/31/2023	2059512	201	4500# CONCRETE WHITE ROCK	1.00	111.75	111.75

32.5 CY Is Additional

Discount of: 0.00 **may be taken if paid by:** 09/30/2023

Total Quantity: 55.00 cy

The above named debtor is liable for all legal fees and costs incurred in connection with any legal action taken to collect the balance due herein.

We will not assume any responsibility for damage beyond curb line. 1-1/2% per month (18% annual rate) service charge after 30 days. (\$3.00 minimum) Return merchandise carries a 25% restocking, plus pickup charge if applicable.

Net payable by 10th of following month.

Pre-Tax Amount:	6,146.25
Tax Amount:	0.00
Invoice Amount:	6,146.25

The "Beautiful Concrete" People

Invoice



Remit To: **Roanoke Concrete Products**
1275 Spring Bay Road
East Peoria, IL 61611
309-698-7882

Invoice No.: 233751
Invoice Date.: 09/01/2023

Sold To: Otto Baum Company, Inc.
866 North Main St.
Morton IL 61550

Account Code: BAUMO
Purchase Order: 23-08-006

Project Name: Pekin Airport Hanger-Pekin
Delivery Addr: AIRPORT PEKIN

Job Name: Pekin Airport Hanger
Terms: None

Ticket Date	Ticket#	Order #	Product Description	Quantity	Price	Extended
09/01/2023	2059533	206	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/01/2023	2059536	206	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/01/2023	2059536	206	SUPERPLASTICIZER per Yard	9.00	5.00	45.00
09/01/2023	2059538	206	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/01/2023	2059538	206	SUPERPLASTICIZER per Yard	9.00	5.00	45.00
09/01/2023	2059546	206	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/01/2023	2059549	206	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/01/2023	2059551	206	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/01/2023	2059556	206	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/01/2023	2059559	206	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75

30 CY Is Additional

Discount of: 0.00 may be taken if paid by: 10/01/2023
Total Quantity: 72.00 cy

The above named debtor is liable for all legal fees and costs incurred in connection with any legal action taken to collect the balance due herein.

We will not assume any responsibility for damage beyond curb line. 1-1/2% per month (18% annual rate) service charge after 30 days. (\$3.00 minimum) Return merchandise carries a 25% restocking, plus pickup charge if applicable.

Net payable by 10th of following month.

Pre-Tax Amount:	8,136.00
Tax Amount:	0.00
Invoice Amount:	8,136.00

The "Beautiful Concrete" People

Invoice



Remit To: **Roanoke Concrete Products**
1275 Spring Bay Road
East Peoria, IL 61611
309-698-7882

Invoice No.: 233902
Invoice Date.: 09/06/2023

Sold To: Otto Baum Company, Inc.
866 North Main St.
Morton IL 61550

Account Code: BAUMO
Purchase Order: 23-08-006

Project Name: Pekin Airport Hanger-Pekin
Delivery Addr: AIRPORT PEKIN

Job Name: Pekin Airport Hanger
Terms: None

Ticket Date	Ticket#	Order #	Product Description	Quantity	Price	Extended
09/06/2023	2059592	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/06/2023	2059593	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/06/2023	2059595	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/06/2023	2059597	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/06/2023	2059598	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/06/2023	2059600	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/06/2023	2059602	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75
09/06/2023	2059605	201	4500# CONCRETE WHITE ROCK	9.00	111.75	1,005.75

40.7 CY Is Additional

Discount of: 0.00 may be taken if paid by: 10/06/2023
Total Quantity: 72.00 cy

The above named debtor is liable for all legal fees and costs incurred in connection with any legal action taken to collect the balance due herein.

We will not assume any responsibility for damage beyond curb line. 1-1/2% per month (18% annual rate) service charge after 30 days. (\$3.00 minimum) Return merchandise carries a 25% restocking, plus pickup charge if applicable.

Net payable by 10th of following month.

Pre-Tax Amount:	8,046.00
Tax Amount:	0.00
Invoice Amount:	8,046.00

The "Beautiful Concrete" People



2600 6th St SW
Cedar Rapids, IA 52404
319-365-0551
www.althorfer.com

Bill To:

OTTO BAUM COMPANY INC
866 N MAIN ST
MORTON IL 61550

Ship To:
530 NE GLEN OAK AVE
PEORIA, IL
61637

23-08-006

OK per
Terry

CT 10

ORIGINAL INVOICE

INVOICE NUMBER P 005503
Invoice Date 09/18/2023
Total Due \$ 5,512.00

Terms	
Make	AA
Model	315FLCR 2
Serial #	TDY12998
Machine ID	192N130
Equipment #	
Meter Reading	2190.3
Document #	P10055

TO VIEW AND PAY ONLINE: <https://althorfer.billtrust.com>
USING THIS TOKEN: QVH VHK HZV

PLEASE REMIT TO:

ALTORFER INC.
PO Box 809629
Chicago, IL 60680-8802

Page 1 of 1

Customer #	Customer PO #	Doc Date	Sales Representative	Division	Store	Account Status
092495	23-02-007	07/31/2023	185	B	08	2

CUSTOMER CONTACT: BEAU BEWLEY

EQUIPMENT RENTAL FROM 08/29/23 THRU 09/08/23

1.0 ID NO: 192N130 SERIAL NO: OTDY12998 5400.00
315 EXCAVATOR - 315FLCR 2D
PIN: *CAT0315FTTDY12998*

HRS OUT: 2015.6 CURRENT SMU: 2190.3 Total: 174.7

EQUIPMENT RENTAL FROM 08/29/23 THRU 09/08/23

1.0 ID NO: 222NA695 SERIAL NO: OXC754363

315 - 36" BUCKET - 315 36

**** RENTAL RETURN OF EQUIPMENT

*

**** TERMS: NET DUE UPON RECEIPT OF INVOICE

*

*** THANKS FOR DOING BUSINESS WITH ALTORFER RENTS

WILL SEND ADDITIONAL BILLING FOR HOLE REPAIR IN

TRENCH BOX

1.0 ENVIRONMENTL FEE 12.00

1.0 PICK-UP CHARGE 100.00

PLEASE NOTE OUR NEW REMIT TO ADDRESS

Altorfer Inc

PO Box 809629

Chicago, IL 60680-8802

Contact ar@althorfer.com for any questions. Thank you!

TOTAL AMOUNT DUE

\$ 5,512.00

THIS INVOICE AND ALL DOCUMENTS AND TRANSACTIONS RELATED THERETO ARE GOVERNED BY THE TERMS AND CONDITIONS AVAILABLE AT WWW.ALTORFER.COM/TERMS/ (AS REVISED FROM TIME TO TIME, THE "TERMS"), WHICH ARE INCORPORATED BY REFERENCE. ACCEPTANCE OF GOOD OR SERVICES ASSOCIATED WITH THIS INVOICE, OR PAYMENT THEREOF, CONSTITUTES ACCEPTANCE OF AND AGREEMENT TO THE TERMS. A HARD COPY OF THE TERMS IS AVAILABLE UPON REQUEST

Searle Trucking Inc

Bartonville IL 61607-2129
Trucking & Material Services

309-370-3890 mobile 309-222-8923 fax
searletrkn@comcast.net

Bill To	Date	Invoice #
Otto Baum Construction 866 N Main St Morton IL 61550	7/1/2023	7123 233007
Project/Job		
23-03-007 Peo Public Works		
Total	\$10,972.50	DUE ON RECEIPT

Haul Date	Hauling Details	Qty	Rate	Amount
6/12/2023	Tic# 40326, TD# 3, rock onsite/ dirt	6.75	105.00	708.75
6/13/2023	Tic# 41503, TD# DNL, hauling	8	105.00	840.00
6/14/2023	Tic# 41431, TD# 106, sod/recon	8.25	105.00	866.25
6/14/2023	Tic# 41504, TD# DNL, hauling	8.25	105.00	866.25
6/15/2023	Tic# 41505, TD# DNL, hauling	8.5	105.00	892.50
6/16/2023	Tic# 41506, TD# DNL, hauling	7	105.00	735.00
6/19/2023	Tic# 41507, TD# DNL, hauling	8.25	105.00	866.25
6/20/2023	Tic# 41508, TD# DNL, hauling	8.75	105.00	918.75
6/21/2023	Tic# 39846, TD# 5HHS, dirt	7.75	105.00	813.75
6/21/2023	Tic# 41509, TD# DNL, hauling	9.25	105.00	971.25
6/22/2023	Tic# 41510, TD# DNL, hauling	8.5	105.00	892.50
6/23/2023	Tic# 41511, TD# DNL, hauling	8	105.00	840.00
6/27/2023	Tic# 41512, TD# DNL, hauling	7.25	105.00	761.25

Millennia Professional Services
850 N Main Street
Morton, IL 61550



Leander Construction, Inc.
Mark Hoffman
24472 N. County Hwy 6
Canton, IL 61520

Invoice number MM23080-2
Date 10/13/2023

Project **MM23080 LCI - Pekin Airport T-Hanger**

Professional Services Provided through 08/26/2023

Professional Fees

Unsuitable Soil

	Date	Hours	Rate	Billed Amount
Materials Coordinator				
Christopher A. Rossman				
	08/24/2023	0.50	125.00	62.50
	08/25/2023	0.50	125.00	62.50
Technician II				
James E. Andrews				
	08/24/2023	7.00	77.50	542.50
	08/25/2023	4.50	77.50	348.75
Professional Fees subtotal		12.50		1,016.25

Reimbursables

Unsuitable Soil

	Date	Units	Rate	Billed Amount
Dynamic Core Penetrometer (DCP)				
	08/24/2023	1.00	50.00	50.00
Nuclear Density Gauge				
	08/24/2023	1.00	150.00	150.00
	08/25/2023	1.00	150.00	150.00
Mileage - Company Owned Vehicle				
	08/24/2023	42.00	0.75	31.50
	08/25/2023	42.00	0.75	31.50
Reimbursables subtotal				413.00

Invoice total **1,429.25**

**REQUEST FOR COUNCIL ACTION**

Agenda Date: January 22, 2024
To: Members of the City Council
From: Josie Esker, City Engineer

AGENDA ITEM: Resolution No. 94-23/24 Adopting Amendment to Court Street Engineering Design Agreement with Hanson

DESCRIPTION: The original agreement with Hanson Professional Services was approved by resolution 129-20/21 for engineering design services for Court Street. Since the original agreement in 2020, there has been additional work above and beyond the scope of the original agreement. This resolution is to approve an Addendum to the original agreement. The original agreement was for \$2,013,500. The supplement request is \$580,000 for a new total fee of \$2,593,500, which includes Phase I preliminary Phase I design and Project Report, Phase II final design and plan preparation, and land acquisition services. For the total construction cost of approximately \$22,850,000, that is approximately 11.3% of the construction cost. The agreement is an hourly rate agreement, and there has been additional utility coordination, environmental sign offs required by IDOT, land acquisition services that have caused the costs to increase. IDOT has also requested that the remaining project from 8th to Stadium be split into two sets of project plans, which requires additional up front engineering but should decrease construction and construction engineering costs. See attached supplement from Hanson, which further explains the overages.

FINANCIAL IMPACT:

Requested Amount: \$580,000
 Line Item: 445-041-561200
 Budgeted Amount: \$1,860,000
 Remaining Funds: \$1,211,454 (before this request is approved)
 Notes:

REVIEWED BY:

Dean Schneider, Public Works Director	Approved - 1/17/2024
Katherine Swise, City Attorney	Approved - 1/17/2024
Robert Grogan, Finance Consultant	Approved - 1/18/2024
John Dossey, City Manager	Approved - 1/18/2024
Sue McMillan, City Clerk	Final Approval - 1/19/2024

Hanson Professional Services Inc.
PSA Amendment
LEGL0200- 13L0177A
Amendment No. 1

WHEREAS, City of Pekin, subsequently referred to as “Client,” and Hanson Professional Services Inc., subsequently referred to as “Hanson,” have previously entered into a Professional Services Agreement 13L0177A dated July 7, 2020, in connection with the Rehabilitation of Court Street , subsequently referred to as “Project,” and

WHEREAS, the Client has ordered certain additions to the services being provided by Hanson for the Project.

NOW, THEREFORE, this AMENDMENT to the PSA is made this 20th day of November, 2023 to revise the Scope of Services and Cost of Services as provided herein. All other terms and conditions of the Agreement remain unchanged.

The Scope of Services is modified as follows:

A. Survey

1. Stake ROW and easement limits as needed for negotiations.
2. Stake utility pole relocations (2x).
3. Update control points for 8th to Stadium section.
4. Prepare 83 additional plats and legal descriptions.
5. Supplemental field survey.

B. Environmental Studies

1. Update PESA before 1st letting
2. Update PESA for 8th to Stadium
3. Conduct PSI – additional 10 sampling locations

C. Roadway Design & Plans (8th to Stadium):

1. Update IDS for Court/10th intersection to reduce impact to adjacent property owner.
2. Additional sheets are required from the original agreement
 - i. Plans and Profile Sheets: Original 10, now 14
 - ii. Intersection Details: Original 8, now 21
 - iii. Alignments and Ties: Original 2, now 4
 - iv. Ret Wall/Steps Detail: Original 9, now 21 (9 walls, 12 steps)
3. Separate plans into two sets of documents
 - i. Compile additional set of plans for prefinal and final submittal.
 - ii. Prepare front end specifications for local letting.

D. Land Acquisition Services

1. Prepare Relocation Plan
2. Update relocation plan
3. Relocation services for 11 property tenants
4. Appraisals and Appraisal Reviews
 - i. Original estimate included 20 appraisals. Project requires up to 40.
 - ii. Stadium to Valle Vista required 30 appraisals.

- iii. 8th to Stadium will require 6 to 10 appraisals.
- iv. Update Market study for 2023 rates
- 5. Order later date title commitments before recording.
- 6. Record documents

E. Project Management

- 1. Project length has extended 2 years.
- 2. Financial and schedule control for additional time.
- 3. Coordination with the City
- 4. Coordination with IDOT
- 5. Utility coordination
 - i. Hold monthly utility coordination meetings (48 months).
 - ii. Site visit with utilities to discuss conflicts and solutions in the field (4).

The Schedule for the Services is modified as follows:

Complete final plans and land acquisition services for 8th to Stadium for November 2024 letting.

- 8th to 10th will be a local letting
- 10th to Stadium will be an IDOT letting

The Cost of Services is modified as follows:

Tasks	Total Hours	Average Hourly Rate	Labor+Overhead+Profit Costs	Direct Costs	Fee
Survey	32	\$232.32	\$7,434	\$136,780	\$144,214
Environmental Signoffs	134	\$155.98	\$20,902	\$20,850	\$41,752
8 th to Stadium Plans	932	\$133.46	\$124,383	\$300	\$124,683
Land Acquisition Services					
Appraisals	20 @ \$3,000				\$60,000
Appraisal Review	20 @ \$1,500				\$30,000
Market Analysis	1 @ \$5,000				\$5,000
Relocation Services	600	\$158.93	\$95,360	\$2,516	\$97,876
Updated title and Recording				\$23,700	\$23,700
Project Management	242	\$216.43	\$52,375	\$400	\$52,775
SubTotal	1940				\$580,000

Cost of Services in Agreement	\$	2,013,500
Total of Previous Amendments	\$	0
Increase this Amendment	\$	580,000
Cost of Services with all Amendments	\$	2,593,500

Client and Hanson hereby agree to and accept the terms as stated herein.

Hanson Professional Services Inc.

Client Name: **City of Pekin**

By: _____

By: _____

Title: Sr. Vice President

Title: _____

Date: _____

Date: _____

Hanson is requesting a supplement for this project due to changes in scope after the agreement was executed. The following items have been added to the project. The following items required additional effort from the original contract scope.

Utility coordination: There are 102 poles along the corridor and other additional underground utilities that need relocated. After initial coordination with the utilities and discussions with the city, the city decided it would benefit the project to hold monthly utility coordination meetings. These meetings have helped keep the utility relocations on track. This process will continue through design of the last section, from 8th to Stadium, totaling forty-eight (48) months of additional meetings. In addition, we have completed several site walk-throughs with the utilities to talk through where poles and appurtenances can be relocated. The surveyor has staked proposed right-of-way and back of sidewalk for utility relocations. These efforts are all above the normal utility coordination for the project.

Environmental Signoffs: During the special waste review, ten (10) additional soil borings were required to test the soil for contaminants. In addition, the Preliminary Environmental Site Assessment (PESA) needed to be updated twice due to the length of time from the original documentation.

Land Acquisition Services: In the original contract, we assumed the project would require twenty (20) appraisals. The project actually required forty (40) appraisals. This doubled the cost. It was determined that several buildings would require removal for construction of the project. A total of eleven (11) tenants needed to be relocated. Due to the federal funds for the project, this required a relocation plan. The relocation plan needs to be updated for the second stage of construction. During land acquisition, the city decided to have Hanson record the documents with the county. Updated title commitment were required before Hanson could record the documents and confirm the current owner.

Roadway Design & Plans: The original agreement assumed a specific number of construction plan sheets would be required for the project. During plan preparation, additional sheets were required for plan and profiles, intersection details, alignment and ties, and retaining wall details. These efforts have resulted in preparing over thirty (30) additional sheets. IDOT has requested that the project section from 8th to Stadium be separated into two separate plan sets for construction. IDOT's request requires compilation of an additional set of plans and specifications, including new front-end documents for a local letting.

Project Management: The original agreement assumed the project would be completed in four (4) years. Due to the length of time it took IDOT to approve the Phase I design report, the project has been extended two (2) years. This has resulted in additional time for managing the project and coordinating with the city and IDOT.

We respectfully request your consideration for the supplement. The original agreement was for \$2,013,500. The supplement request is \$580,000 for a new total fee of \$2,593,500, which includes Phase I preliminary Phase I design and Project Report, Phase II final design and plan preparation, and land acquisition services. For the total construction cost of approximately \$22,850,000, that is approximately 11.3% of the construction cost.

Resolution No. 129 - 20/21 Approving Agreement with Hanson for Design Engineering of Court Street from Valle Vista to 8th Street

WHEREAS, the City of Pekin is a home rule municipality as described in Section 6(a), Article VII of the 1970 Constitution of the State of Illinois; and

WHEREAS, the City of Pekin, as a home rule municipality, may exercise power and perform any function pertaining to its government and affairs, including, but not limited to, the power to legislate for the protection of the public health, safety, and welfare; and

WHEREAS, in 2014, the City currently entered into an agreement with Hanson Professional Services for the preliminary design of the Court Street Project, pursuant to which some preliminary engineering for the Project has been completed; and

WHEREAS, due to the changes made to the proposed plan for Court Street since the execution of the original agreement in 2014, the City desires to terminate the 2014 agreement and enter into a new agreement with Hanson Professional Services for engineering services to develop contract documents, plans, and specifications for phase two (final design) work on the Court Street Project between Valle Vista and 8th Street.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PEKIN, TAZEWELL COUNTY, ILLINOIS, THAT:

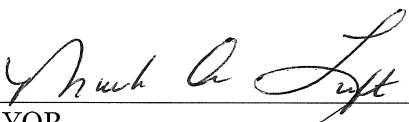
Section 1. The findings and recitations set forth above are adopted and found to be true and correct.

Section 2. The Mayor and/or the City Manager is authorized and directed to enter into the Professional Services Agreement with Hanson Professional Services in substantially the form attached hereto as Exhibit A, with such revisions and modifications as the Mayor and/or City Manager deem necessary and appropriate.

Section 3. The Mayor and/or City Manager is further directed to terminate the Professional Services Agreement entered into with Hanson Professional Services in 2014 upon the execution of the Agreement approved herein.

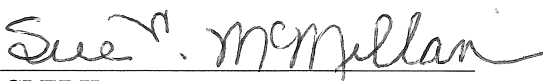
Section 4. The City Clerk is directed to attest to the execution of the Agreement as negotiated and approved by the Mayor and/or City Manager.

ADOPTED AND APPROVED at a regular meeting of the City Council of the City of Pekin this 22nd day of June, 2020.



MAYOR

ATTEST:



CITY CLERK

Municipality City of Pekin	L O C A L A G E N C Y	Preliminary Engineering Services Agreement For Motor Fuel Tax Funds Supplement 1	C O N S U L T A N T	Name Hanson Professional Services Inc.
Township				Address 7625 N. University St., Ste 200
County Tazewell				City Peoria
Section				State IL

THIS AGREEMENT is made and entered into this 8th day of June, 2020 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Motor Fuel Tax Funds, allotted to the LA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT", will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Section Description

Name Rehabilitation of Court Street (Illinois Route 9)

Route FAP 693 Length 3.20 Mi. 16,920 FT (Structure No.)

Termini Court Street from Broadway Street to Veterans Drive

Description:

Potential improvements for Court Street may include new curb & gutter, pavt. patching and repair, HMA mill/overlay, pavement marking, traffic signals, storm sewer, sidewalk, ADA ramps, and retaining wall repair.

Agreement Provisions

The Engineer Agrees,

1. To perform or be responsible for the performance of the following engineering services for the LA, in connection with the proposed improvements herein before described, and checked below:
 - a. ☐ Make such detailed surveys as are necessary for the preparation of detailed roadway plans
 - b. ☐ Make stream and flood plain hydraulic surveys and gather high water data, and flood histories for the preparation of detailed bridge plans.
 - c. ☐ Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of the DEPARTMENT.
 - d. ☐ Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
 - e. ☐ Prepare Army Corps of Engineers Permit, Department of Natural Resources-Office of Water Resources Permit, Bridge waterway sketch, and/or Channel Change sketch, Utility plan and locations, and Railroad Crossing work agreements.
 - f. ☐ Prepare Preliminary Bridge design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.
 - g. ☐ Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with five (5) copies of the plans, special provisions, proposals and estimates. Additional copies of any or all documents, if required, shall be furnished to the LA by the ENGINEER at his actual cost for reproduction.
 - h. ☐ Furnish the LA with survey and drafts in quadruplicate of all necessary right-of-way dedications, construction easement and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

Note: Four copies to be submitted to the Regional Engineer

- i. ☐ Assist the LA in the tabulation and interpretation of the contractors' proposals
 - j. ☐ Prepare the necessary environmental documents in accordance with the procedures adopted by the DEPARTMENT's Bureau of Local Roads & Streets.
 - k. ☐ Prepare the Project Development Report when required by the DEPARTMENT.
 - l. ☒ **See Attachment A.**
- (2) That all reports, plans, plats and special provisions to be furnished by the ENGINEER pursuant to the AGREEMENT, will be in accordance with current standard specifications and policies of the DEPARTMENT. It is being understood that all such reports, plats, plans and drafts shall, before being finally accepted, be subject to approval by the LA and the DEPARTMENT.
- (3) To attend conferences at any reasonable time when requested to do so by representatives of the LA or the Department.
- (4) In the event plans or surveys are found to be in error during construction of the SECTION and revisions of the plans or survey corrections are necessary, the ENGINEER agrees that he will perform such work without expense to the LA, even though final payment has been received by him. He shall give immediate attention to these changes so there will be a minimum delay to the Contractor.
- (5) That basic survey notes and sketches, charts, computations and other data prepared or obtained by the Engineer pursuant to this AGREEMENT will be made available, upon request, to the LA or the DEPARTMENT without cost and without restriction or limitations as to their use.
- (6) That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by him and will show his professional seal where such is required by law.

The LA Agrees,

1. To pay the ENGINEER as compensation for all services performed as stipulated in paragraphs 1l, 2, 3, 5 and 6 in accordance with one of the following methods indicated by a check mark:
 - a. ☐ A sum of money equal to _____ percent of the awarded contract cost of the proposed improvement as approved by the DEPARTMENT.
 - b. ☐ A sum of money equal to the percent of the awarded contract cost for the proposed improvement as approved by the DEPARTMENT based on the following schedule:

Schedule for Percentages Based on Awarded Contract Cost

Awarded Cost	Percentage Fees	(see note)
Under \$50,000	_____	%
	_____	%
	_____	%
	_____	%
	_____	%

Note: Not necessarily a percentage. Could use per diem, cost-plus or lump sum.

- c. ☒ **See Attachment B**
2. To pay for services stipulated in paragraphs 1b, 1c, 1d, 1e, 1f, 1h, 1j & 1k of the ENGINEER AGREES at actual cost of performing such work plus _____ percent to cover profit, overhead and readiness to serve - "actual cost" being defined

as salary costs. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided under the paragraph 1b, 1c, 1d, 1e, 1f, 1h, 1j & 1k. If the ENGINEER sublets all or part of this work, the LA will pay the cost to the ENGINEER plus a five (5) percent service charge.

"Cost to Engineer" to be verified by furnishing the LA and the DEPARTMENT copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm, including the Principal Engineer, perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed.

3. That payments due the ENGINEER for services rendered in accordance with this AGREEMENT will be made as soon as practicable after the services have been performed in accordance with the following schedule:
 - a. Upon completion of detailed plans, special provisions, proposals and estimate of cost - being the work required by paragraphs 1a through 1g under THE ENGINEER AGREES - to the satisfaction of the LA and their approval by the DEPARTMENT, 90 percent of the total fee due under this AGREEMENT based on the approved estimate of cost.
 - b. Upon award of the contract for the improvement by the LA and its approval by the DEPARTMENT, 100 percent of the total fee due under the AGREEMENT based on the awarded contract cost, less any amounts paid under "a" above.

By Mutual agreement, partial payments, not to exceed 90 percent of the amount earned, may be made from time to time as the work progresses.

4. That, should the improvement be abandoned at any time after the ENGINEER has performed any part of the services provided for in paragraphs 1a, through 1h and prior to the completion of such services, the LA shall reimburse the ENGINEER for his actual costs plus 200 percent incurred up to the time he is notified in writing of such abandonment - "actual cost" being defined as in paragraph 2 of THE LA AGREES.
5. That, should the LA require changes in any of the detailed plans, specifications or estimates except for those required pursuant to paragraph 4 of THE ENGINEER AGREES, after they have been approved by the DEPARTMENT, the LA will pay the ENGINEER for such changes on the basis of actual cost plus 200 percent to cover profit, overhead and readiness to serve - "actual cost" being defined as in paragraph 2 of THE LA AGREES. It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of his responsibility to prepare a complete and adequate set of plans and specifications.

It is Mutually Agreed,

1. That any difference between the ENGINEER and the LA concerning their interpretation of the provisions of this Agreement shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER, one member appointed by the LA and a third member appointed by the two other members for disposition and that the committee's decision shall be final.
2. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at his last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all surveys, permits, agreements, preliminary bridge design & hydraulic report, drawings, specifications, partial and completed estimates and data, if any from traffic studies and soil survey and subsurface investigations with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with Section 4 of THE LA AGREES.
3. That if the contract for construction has not been awarded one year after the acceptance of the plans by the LA and their approval by the DEPARTMENT, the LA will pay the ENGINEER the balance of the engineering fee due to make 100 percent of the total fees due under this AGREEMENT, based on the estimate of cost as prepared by the ENGINEER and approved by the LA and the DEPARTMENT.
4. That the ENGINEER warrants that he/she has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract, and that he/she has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, any fee, commission, percentage, brokerage fee, gifts or any other consideration, contingent upon or resulting from the award or making of this contract. For Breach or violation of this warranty the LA shall have the right to annul this contract without liability.
5. That the attached General Conditions (C/S) Rev. 8 are included in and made a part of this Agreement.

IN WITNESS WHEREOF, the parties have caused the AGREEMENT to be executed in quadruplicate counterparts, each of which shall be considered as an original by their duly authorized officers.

Executed by the LA:

City of Pekin of the
(Municipality/Township/County)

ATTEST:

State of Illinois, acting by and through its

By Sue J. McMillan
City Clerk
(Seal)

By Mark A. Lutz
Title Mayor

Executed by the ENGINEER:

Hanson Professional Services Inc.

7625 N. University Street, Suite 200

ATTEST:

Peoria, IL 61614

By _____

By _____

Title Assistant Vice President

Title Vice President

Approved _____ Date Department of Transportation _____ Regional Engineer

General Conditions

Hanson Agreement: C13L0177

Agreement Date: June 8, 2020

Project Name: Court Street Rehabilitation

1. Invoices: Charges for services will be billed at least as frequently as monthly, and at the completion of the Project. CLIENT shall compensate HANSON for any sales or value added taxes which apply to the services rendered under this agreement or any addendum thereto. CLIENT shall reimburse HANSON for the amount of such taxes in addition to the compensation due for services. Payment of invoices shall not be subject to any discounts or set-offs by the CLIENT unless agreed to in writing by HANSON. Invoices are delinquent if payment has not been received within 30 days from date of invoice. There will be an additional charge of 1 1/2 percent per month compounded on amounts outstanding more than 30 days. All time spent and expenses incurred (including attorney's fees) in connection with collection of any delinquent amount will be paid by CLIENT to HANSON per HANSON's current fee schedules.

2. Termination: This Agreement may be terminated by either party upon written notice. Any termination shall only be for good cause such as legal, unavailability of adequate financing or major changes in the scope of services. In the event of any termination, HANSON will be paid for all services and expenses rendered to the date of termination on a basis of payroll cost times a multiplier of 3.0 (if not previously provided for) plus reimbursable expenses, plus reasonable termination expenses, including the cost of completing analyses, records, and reports necessary to document job status at the time of termination.

3. Reuse of Documents: All documents including reports, drawings, specifications, and electronic media furnished by HANSON pursuant to this Agreement are instruments of its services. They are not intended or represented to be suitable for reuse by CLIENT or others on extensions of this project, or on any other project. Any reuse without specific written verification or adaptation by HANSON will be at CLIENT's sole risk, and without liability to HANSON, and CLIENT shall indemnify and hold harmless HANSON from all claims, damages, losses

and expenses including court costs and attorney's fees arising out of or resulting there from. Any such verification or adaptation will entitle HANSON to further compensation at rates to be agreed upon by CLIENT and HANSON.

4. Standard of Care: Services performed by HANSON under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other representation expressed or implied, and no warranty or guarantee is included or intended in this Agreement, or in any report, opinion, document or otherwise. Nothing in this Agreement is intended to create, nor shall it be construed to create, a fiduciary duty owed by either party to the other party. Hanson is not acting as a municipal advisor to CLIENT as defined by the Securities and Exchange Commission.

5. General Liability Insurance and Limitation: HANSON is covered by general liability insurance for bodily injury and property damage arising directly from its negligent acts or omissions, with limits which HANSON considers reasonable. Certificates of insurance shall be provided to CLIENT upon request in writing. HANSON shall not be responsible for any loss, damage or liability beyond the amounts, limits and conditions of such insurance. HANSON shall not be responsible for any loss, damage or liability arising from any act or omission by CLIENT, its agents, staff, other consultants, independent contractors, third parties or others working on the Project over which HANSON has no supervision or control.

6. Suspension of Services: If CLIENT fails to make payments when due or otherwise is in breach of this Agreement, HANSON may suspend performance of services upon five (5) calendar days' notice to CLIENT. HANSON shall have no liability whatsoever to CLIENT, and CLIENT agrees to make no claim for any delay or damage as a result of such suspension.

7. Delays: The CLIENT agrees that HANSON is not responsible for damages arising directly or indirectly

from any delays for causes beyond HANSON's control. For purposes of this Agreement, such causes include, but are not limited to, strikes or other labor disputes; severe weather disruptions or other natural disasters or acts of God; fires, riots, epidemics, war or other emergencies; failure of any government agency to act in a timely manner; failure of performance by the CLIENT or the CLIENT's contractors or consultants; or discovery of any hazardous substances or differing site conditions.

In addition, if the delays resulting from any such causes increase the cost or time required by HANSON to perform its services in an orderly and efficient manner, HANSON shall be entitled to negotiate a reasonable adjustment in schedule and compensation, or, if encountering severe disruptions or emergencies, shall be entitled to terminate services.

8. Consequential Damages: Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither CLIENT nor HANSON, their respective officers, directors, partners, employees, contractors or subconsultants shall be liable to the other or shall make any claim for incidental, indirect, or consequential damages arising out of or connected in any way to this Project or this Agreement. This mutual waiver of consequential damages shall include, but not be limited to, loss of use, loss of profit, loss of business, loss of income, loss of reputation and any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract and breach of strict and implied warranty. Both CLIENT and HANSON shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in the Project.

9. Contingency Fund: The Client and Hanson acknowledge that changes may be required during construction because of possible omissions, ambiguities or inconsistencies in the plans and specifications and, therefore, that the costs of the project may exceed the construction contract sum. The Client agrees to set aside a reserve in the amount of Five Percent (5%) of the actual project construction costs as a contingency reserve to be used, as required, to pay for any such increased project costs. The Client further agrees to make no claim by way of direct or third-party action against Hanson or sub-contractors and subconsultants with respect to any payments within the limit of the contingency reserve made to the construction contractors because of such

changes or because of any claims made by the construction contractors relating to such changes.

10. Additional Limitation: In recognition of the relative risks and benefits of the Project to both the CLIENT and HANSON, the risks have been allocated such that the CLIENT agrees that for the compensation herein provided HANSON cannot expose itself to damages disproportionate to the nature and scope of HANSON's services or the compensation payable to it hereunder. Therefore, the CLIENT agrees to limit its remedies against HANSON arising from HANSON's professional acts, errors or omissions, in any action based on strict liability, breach of contract, negligence or any other cause of action, such that the total aggregate amount of the CLIENT's damages shall not exceed ~~\$50,000~~ **\$1,000,000** ~~or HANSON's total net fee for services rendered on the Project, whichever is greater.~~ This limitation pertains to HANSON and to its subcontractors and subconsultants, and applies as a single aggregate amount to all work performed under the Agreement, including all work performed under an amendment or modification. If CLIENT desires a limit greater than that provided above, CLIENT and HANSON shall include in this Agreement the amount of such limit and the additional compensation to be paid to HANSON for assumption of such additional risk. CLIENT must notify HANSON in writing, before HANSON commences any services, of CLIENT's intention to negotiate a greater limitation of remedies against Hanson and its associated impact on services, schedules, and compensation. Absent CLIENT's written notification to the contrary, HANSON will proceed on the basis that the total remedies against HANSON is limited as set forth above.

11. Personal Liability: It is intended by the parties to this Agreement that HANSON's services in connection with the Project shall not subject HANSON's individual employees, officers or directors to any personal legal exposure for the risks associated with this Project. Therefore, and notwithstanding anything to the contrary contained herein, the Client agrees that as the Client's sole and exclusive remedy, any claim, demand or suit shall be directed and/or asserted only against HANSON, a Delaware corporation, and not against any of HANSON's individual employees, officers or directors.

12. Assignment: Neither party to this Agreement shall transfer, sublet, or assign any rights or duties under or interest in this Agreement, including but not limited to monies that are due or monies that may become due, without the written consent of the other party.

Subcontracting to subconsultants, normally contemplated by HANSON as generally accepted business practice, shall not be considered an assignment for purposes of this Agreement.

13. Statutes of Repose and Limitation: All legal causes of action between the parties to this Agreement shall accrue and any applicable statutes of repose or limitation shall begin to run not later than the date of Substantial Completions. If the act or failure to act complained of occurs after the date of Substantial Completion, then the date of final completion shall be used, but in no event shall any statute of repose or limitation begin to run any later than the date HANSON's services are completed or terminated.

14. Dispute Resolution: In an effort to resolve any conflicts that arise during the design and construction of this Project or following completion of this Project, the CLIENT and HANSON agree that all disputes between them arising out of or relating to this Agreement or this Project shall be submitted to nonbinding mediation.

15. Authority and Responsibility: HANSON shall not guarantee the work of any Contractor or Subcontractor, shall have no authority to stop work, shall have no supervision or control as to the work or persons doing the work, shall not have charge of the work, and shall not be responsible for safety in, on, or about the job site or have any control of the safety or adequacy of any equipment, building component, scaffolding, supports, forms or other work aids.

16. Right of Entry: CLIENT shall provide for HANSON's right to enter property owned by CLIENT and/or others in order for HANSON to fulfill the scope of services for this Project. CLIENT understands that use of exploration equipment may unavoidably cause some damage, the correction of which is not the responsibility of HANSON.

17. Utilities: CLIENT shall be responsible for designating the location of all utility lines and subterranean structures within the property line of the Project. CLIENT agrees to waive any claim against HANSON, and to defend, indemnify and hold harmless from any claim or liability for injury or loss arising from HANSON or other persons encountering utilities or other man-made objects that were not called to HANSON's attention or which were not properly located on plans furnished to HANSON. CLIENT further agrees to compensate HANSON in defense of any such claim, in accordance with

HANSON's prevailing fee schedule and expense reimbursement policy.

18. Job Site: Services performed by HANSON during construction will be limited to providing assistance in quality control and to deal with questions by the CLIENT's representative concerning conformance with drawings and specifications. This activity is not to be interpreted as an inspection service, a construction supervision service, or guaranteeing the Contractor's performance. HANSON will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs. HANSON will not be responsible for the Contractor's obligation to carry out the work in accordance with the Contract Documents. HANSON will not be considered an agent of the owner and will not have authority to direct the Contractor's work or to stop work.

19. Opinions of Cost: Since HANSON has no control over the cost of labor, materials or equipment or over a Contractor's method of determining prices, or over competitive bidding or market conditions, its opinions of probable Project cost or construction cost for this Project will be based solely upon its own experience with construction, but HANSON cannot and does not guarantee that proposals, bids or the construction cost will not vary from its opinions of probable costs. If the CLIENT wishes greater assurance as to the construction cost, he shall employ an independent cost estimator.

20. Shop Drawing Review: CLIENT agrees that HANSON's review of shop drawings, when such review is included in the scope of services, shall be solely for their conformance with HANSON's design intent and conformance with information given in the construction documents. HANSON shall not be responsible for any aspects of a shop drawing submission that affect or are affected by the means, methods, techniques, sequences and operations of construction, safety precautions and programs incidental thereto, all of which are the Contractor's responsibility. The Contractor will be responsible for lengths, dimensions, elevations, quantities and coordination of the work with other trades. CLIENT warrants that the Contractor shall be made aware of his responsibilities to review shop drawings and approve them in these respects before submitting them to HANSON.

21. Record Drawings: CLIENT agrees that HANSON's preparation of record drawings, when such preparation is included in the scope of services

and such preparation is based on information furnished by the Contractor and/or other third parties, will be made under the assumption that all furnished information is reliable and that HANSON cannot and does not warrant the accuracy of the furnished information. In the event that the scope of services additionally provides for HANSON to conduct surveys, investigations, and field measurements to collect or verify the information needed for the record drawings, HANSON will conduct such services with the standard of care as set forth in these General Conditions

22. Confidentiality: Each party shall retain as confidential, all information and data furnished to it by the other party which are designated in writing by such other party as confidential at the time of transmission, and are obtained or acquired by the receiving party in connection with this Agreement, and said party shall not disclose such information to any third party.

23. Third Party Beneficiaries: Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either CLIENT or HANSON. HANSON's services under this Agreement are being performed solely for the CLIENT's benefit, and no other party or entity shall have any claim against HANSON because of this Agreement or the performance or nonperformance of services hereunder. CLIENT and HANSON agree to require a similar provision in all contracts with contractors, subcontractors, subconsultants, vendors, and other entities involved in this Project to carry out the intent of this provision.

24. Severability: If any term or provision of this Agreement is held to be invalid or unenforceable under any applicable statute or rule of law, such holding shall be applied only to the provision so held, and the remainder of this Agreement shall remain in full force and effect.

25. Survival: Notwithstanding completion or termination of the Agreement for any reason, all rights, duties, obligations of the parties to this Agreement shall survive such completion or termination and remain in full force and effect until fulfilled.

26. Entire Agreement: This Agreement is the entire Agreement between the CLIENT and HANSON. It supersedes all prior communications, understandings and agreements, whether written or oral. Both parties have participated fully in the preparation and revision of this Agreement, and each party and its counsel have

reviewed the final document. Any rule of contract construction regarding ambiguities being construed against the drafting party shall not apply in the interpreting of this Agreement, including any Section Headings or Captions. Amendments to this Agreement must be in writing and signed by both CLIENT and HANSON.

27. Modification to the Agreement: CLIENT or HANSON may, from time to time, request modifications or changes in the scope of services to be performed hereunder. Such changes, including any increase or decrease in the amount of HANSON's compensation, to which CLIENT and HANSON mutually agree shall be incorporated in this Agreement by a written amendment to the Agreement.

28. Governing Law: This Agreement shall be governed by and interpreted pursuant to the laws of the State of Illinois.

ATTACHMENT A
SCOPE OF SERVICES
REHABILITATION OF COURT STREET

Hanson Professional Services Inc. shall prepare project development studies for roadway improvements to Court Street between 8th Street and Valle Vista Boulevard and final design and construction documents for roadway improvements to Court Street from 8th Street to Stadium Drive and Stadium Drive to Valle Vista Boulevard, in the City of Pekin (LA). The desire is to bring sidewalks and traffic signals up to current design standards, and to rehabilitate the existing pavement. The scope, fees, and schedule provided represent the expected upper limit of effort needed to complete the Phase I and Phase II design of the improvements associated with the federal funding for construction.

The proposed improvements will consist of:

- Improving intersection geometry and adjusting lane widths,
- Upgrading the existing sidewalks to meet current ADA/PROWAG standards including sidewalk curb ramps at intersections,
- Evaluating and adjusting drainage features to work with the proposed design and correcting any existing concerns,
- Conducting public involvement activities related to the proposed improvements, and
- Replacing existing traffic signals.

Potential improvements for Court Street may include new curb & gutter, pavement patching and repair, HMA mill and overlay, areas of reconstruction, new pavement marking, new traffic signals, storm sewers repairs and modifications, new sidewalk and curb ramps., and retaining wall repair or replacement. The documents will be prepared in English units using Microstation and in accordance with Federal Guidelines in IDOT's Bureau of Local Roads and Streets Manual.

SCOPE OF SERVICES:

The Scope of Services will be broken into two phases as noted below:

- Phase 1: Project Development Services
- Phase 2: Design and Plan Preparation Services

The Scope of Services to be provided is expected to include all of the following:

I. Project Development Services

The corridor boundaries for data collection are along Court Street from Broadway Street to Valle Vista Boulevard. Data collection will extend 100 feet down all intersecting side roads within the corridor boundaries and 500 feet beyond the project termini at 8th Street and Valle Vista Boulevard.

A. Public Involvement

1. One (1) public meeting
 - a. Prepare and coordinate newspaper advertisements for each Public Meeting. Notices will be published in the Pekin Daily Times and on the CITY website.
 - b. Prepare exhibits and tabletop rollouts of the project area depicting planned improvements for discussion.
 - c. Provide comment forms, name tags, directional signage, sign-in forms and other items for each public meeting
 - d. Attend and Facilitate Meeting
 - e. Prepare meeting minutes summarizing the meeting
 - f. Update the project information database with comments
 - g. Prepare responses to stakeholder comments for use by the City in public coordination.
2. Traffic Safety Committee Meetings – expected to be two (2)
 - a. Prepare exhibits of the project area depicting planned improvements for discussion.
 - b. Present proposed improvements and recommendations
 - c. Discuss options and concerns
3. One (1) City Council Meeting
 - a. Prepare of the project area depicting planned improvements for discussion.
 - b. Present proposed improvements and recommendations
 - c. Respond to questions
4. Chamber of Commerce Communications (2)
5. Meetings with individual stakeholders including Pekin High School and Pekin Park District (Assume 10)

B. Traffic Study

Prepare and submit a traffic study memorandum for the project corridor. The study is expected to include the following:

1. Review previous turning movement counts at ten (10) intersections along Court Street:
 - a. Broadway Street/Court Street/Margaret
 - b. Broadway Street/S. 8th Street
 - c. S. 8th Street
 - d. S. 10th Street
 - e. S. 14th Street
 - f. Stadium Drive
 - g. S. Parkway Drive/Sunset Drive
 - h. Allentown Road

- i. Valle Vista Boulevard
- 2. Using the Travel Demand Model (TDM):
 - a. Review existing network conditions within the study area.
 - b. Change network 2020 condition to proposed condition (1 alternative).
 - c. Change land uses in the study area gradually between 2020 and 2045.
 - d. Complete and reconcile 2045 no build and build Average Daily Traffic and peak hour turning movement traffic projections within the study area along Court Street.
- 3. Complete capacity and safety intersection analysis.
- 4. Complete Synchro corridor analysis for Court Street from Broadway Street to Valle Vista Street. (1 alternative)
- 5. Complete a traffic study, in memorandum form, including recommendations for cross-section and intersection improvements. Recommendations will be based on improving levels of safety, capacity Level of Service (LOS), and not volumes.
- 6. Prepare Traffic Management Plan – Court Street is a red route
 - a. Use TDM to project distribution of trips
 - b. Synchro Analysis (2 Stages, 2 Peaks)
 - c. Safety Analysis
 - d. Report and Comments
- 7. Attend and participate in the public open house, Traffic Safety Committee, and City Council meetings to address any traffic concerns associated with the proposed improvements.

C. Survey (Millennia Professional Services Inc.)

- 1. General Pickup Survey:
 - a. Parkway Drive north of Court Street from the existing survey limits to the shopping center entrance (approximately 225')
 - b. Additional parking lot topo in the northeast quadrant of the Parkway Drive and Court Street intersection. Approximately 25' behind existing sidewalk from the gas station canopy to approximately 325' north of Court Street
 - c. Additional parking lot topo in the southeast quadrant of the Sunset Drive and Court Street intersection
 - d. Sunset Drive south of Court Street from the existing survey limits to Brookview Terrace intersection (approximately 175')
 - e. Miscellaneous other areas identified during design.
- 2. Prepare ROW and/or Easement plats for 140 parcels
 - a. Obtain title commitments
 - b. Prepare legal descriptions

D. Retaining Wall Investigation

Investigate the condition and make recommendations for the existing concrete retaining wall located on the south side of Court Street between Easling Ct. and 17th St.

1. Review existing data:

The City will provide the existing information available for the wall and railing. This includes plans, repair history, survey information, etc. which are related to the walls.

2. Site Visits: Perform site visits to observe existing conditions, obtain field measurements, and document findings by an Illinois Licensed Structural Engineer. The purpose of the site visits will be to determine which elements of the structure, if any, need to be repaired or replaced. A list of these repair and replacement elements will be tabulated and quantified, and unit costs will be assigned. The site visit will be limited to visual observations, and sounding of concrete surfaces by hammer to locate spalled or delaminated concrete. Hanson will perform additional field survey to obtain elevations, topographic information, etc. as part of the basic scope of services.

3. Material sampling: Extract two concrete core samples from the existing concrete wall and test the compressive strength of the concrete. Petrographic and chemical analysis of the concrete is not included.

4. Coordinate design with known existing utilities.

5. Existing concrete retaining wall:

a. Based on the results of the investigation prepare a report to document an opinion of probable cause for any deterioration of the wall and a description of recommended alternatives for restoration/replacement of the structure.

b. Provide schematic level drawings of any proposed work.

c. Prepare an opinion of probable construction cost to complete the recommended restoration/replacement if needed to serve as a preliminary budget for the project.

6. Railing:

a. Review existing railing and document the current condition and any recommendations.

b. Prepare schematic level design calculations if warranted.

c. Prepare an opinion of probable construction cost to complete any recommended actions.

E. Geometric and Roadway Studies

Prepare roadway geometry and Intersection Design Studies (IDS), which are expected to include the following tasks: Conduct a field review of the study area to examine existing conditions, evaluate available improvement options, and determine a recommended course of action.

1. Pavement Condition Survey Conduct an on-site walk through to identify and rank locations of distressed pavement and determine possible maintenance activities required to correct the problem.
2. Prepare roadway pavement designs to cover various pavement and traffic conditions throughout the project. Approximately six (6) designs are expected.
3. Field review of existing conditions
4. Identify horizontal and vertical alignment controls.
5. Create existing horizontal and vertical alignments.
6. Develop design criteria for Court Street and cross roads.
7. Develop existing and proposed typical sections for Court Street. Review as-built plans of the existing roadway to determine pavement age and composition.
8. Complete cross section studies to determine proposed horizontal/vertical alignments and limits of proposed improvements.
9. Complete intersection design studies at each of the existing/proposed signalized intersections.
 - a. Court and Broadway
 - b. 8th and Broadway
 - c. Court and 8th
 - d. Court and 10th
 - e. Court and 14th
 - f. Court and Stadium/East Shore
 - g. Court and South Parkway
 - h. Court and Allentown
 - i. Court and Valle Vista
10. Retaining wall planning (Short walls along the ROW)
 - a. Preliminary layout of walls
 - b. Preliminary layout of stairs

11. Utility coordination
 - a. Call JULIE and request utility locates and utilities within the project area.
 - b. Draft letters to the utility companies in the project area requesting they provide data on the location of their facilities.
 - c. Keep a log of what utility data is received.
12. Review the data from the utility companies and evaluate perceived conflicts.
13. Prepare plan and profile exhibits.
14. Prepare a preliminary construction cost estimate
15. Coordination with Geotech for soil borings and pavement cores
 - a. Pavement cores will be taken along the length of the project to confirm existing pavement thickness and condition. Soil samples will be obtained at designated locations by standard split spoon (ASTM D 1586) methods according to the Standard Penetration Test (SPT). Sampling will be performed continuously to a depth of 5-1/2 feet below the existing grade at each of the borings. This will result in three (3) samples per boring.
 - b. Laboratory Testing: Samples retained from the borings will be examined by laboratory personnel to verify field descriptions and to estimate soil classifications in accordance with the Unified and/or Illinois Department of Transportation (IDOT) Soil Classification Systems. Laboratory testing will include moisture content determinations, as well as measurements of unconfined compressive strength, as appropriate. Atterberg Limits and particles size analysis will also be completed on representative subgrade soil samples. Density tests will also be completed on four (4) of the pavement cores.
 - c. Report of Data: Upon completion of sampling and testing, an engineering report will be prepared summarizing field and laboratory test data, including computer generated boring logs and test data sheets along with photo logs of the pavement cores. The report will address anticipated soil and groundwater conditions impacting site subgrade preparation and pavement design.

F. Preliminary Drainage Design

1. Review project information and attend one coordination meeting with the City of Pekin to discuss impacts.
2. Review known flooding history and any existing drainage deficiencies which are brought to the attention of the design engineer.
3. Storm water drainage will be designed in accordance with the current edition of the IDOT Drainage Manual. It is anticipated that the hydrology will be designed using the Rational Method. It is anticipated that the conveyance

system will generally be the existing storm sewer system with minor modifications to match revised curb line locations.

4. Examine existing drainage structures to help identify structures which may need to be replaced.
5. Existing conditions will be compared against proposed design to determine recommendations for upgrading the existing system. Recommendations will be based upon the incremental cost to upgrade the existing system to current design standards against the severity of known deficiencies.
6. Prepare drainage memo for PDR.
7. No storm water detention/retention design will be included.

G. Environmental Studies

1. Data collection of environmental resources and mapping.
2. Conduct a site reconnaissance survey to inventory environmental resources in the vicinity of the project area.
3. Coordination for cultural resources review.
4. Coordinate with Pekin Park District for possible 4(f) de Minimis involvement at Mineral Springs Park.
5. Conduct a Preliminary Environmental Site Assessment (PESA).
6. Prepare environmental documentation for the Project Development Report.
7. Assumptions for the environmental scope of services:
 - a. This project will be processed under federal guidelines of IDOT and will be processed as a Categorical Exclusion. It will not be processed as an Environmental Assessment (EA) or Environmental Impact Statement (EIS).
 - b. This project will not include conversion of any 6(f) lands.
 - c. This project will not include programmatic or individual Section 4(f) Evaluation.
 - d. No noise analysis will be required.

H. Lighting

1. Light Fixture Selections / Schedule
2. Photometric Calculations utilizing AGI 32
3. Preliminary Site Plans indicating fixture locations
4. Review Meeting and Disposition of comments
5. Internal coordination

Note: The lighting layout will be determined by IDOT Chapter 56 Highway Lighting and IES RP-8 requirements.

I. Project Development Report

1. Prepare report.
2. Prepare exhibits.
3. Print and Submit preliminary report to CITY and IDOT for review.
4. Address comments.
5. Print, and submit final PDR to IDOT for approval.
6. Coordination with IDOT

J. Project Management

1. Financial and schedule controls
2. Prepare project management plan
3. Administer project kick-off meeting with City
4. Internal kick-off meeting
5. Coordination with CITY
6. IDOT Coordination Meetings (2)
7. Prepare and Review meeting minutes
8. Coordinate & Attend two (2) Bi-monthly Coordination Meetings

K. Quality Control/Quality Assurance Review

Provide proper quality assurance prior to sending any construction plans and specifications for review. The following items as a minimum will be reviewed prior to submitting any construction plans or specifications for review:

1. Every item shown in the construction plans either has a pay item or is specifically discussed in a pay item special provision.
2. Items to be constructed have been reviewed for constructability and directly correspond to a standard pay item or a special provision.
3. Existing utilities have been checked against proposed facilities for horizontal and vertical conflict (based on information received from the utility companies) during construction.
4. Address CITY comments and concerns.

L. The following items are not included in the scope of work but could be provided as an addendum to the contract:

1. Sewer televising
2. Preparation of NEPA documentation for Environmental Assessment (EA) or Environmental Impact Statement (EIS). It is assumed the project will be processed as a Categorical Exclusion.
3. Mitigation planning and design for impacts to threatened and endangered species, wetlands/waters, or historic/archaeological resources.
4. Preparation of and coordination for a Section 404 permit and Section 401

Water Quality Certification.

5. Necessary permitting and/or mitigation for floodplain impacts.

II. Phase II Final Design and Plan Preparation

Prepare construction documents for two sets of plans:

1. 8th Street to Stadium Drive
2. Stadium Drive to Valle Vista Boulevard

A. Environmental Sign-offs

1. Update Biological Sign-off before final construction documents as necessary.
2. Conduct PSI – assume 18 sampling locations will be required.

B. Geometric & Roadway Studies

1. Develop existing and proposed typical sections.
2. Complete cross section studies to finalize proposed grading and limits of improvements.
3. Determine utility conflicts if any, and coordinate with impacted utilities.
4. Prepare plan and profile sheets (@ 1"=20' H., 1"=5' V.)
5. Finalize Easement limits
6. Determine proposed maintenance of traffic plan for project corridor. Construction will be performed using lane closures per IDOT standard details. Two-way traffic will be maintained at all times where possible.
7. Design retaining walls @ ROW (less than 4 ft)
 - a. Final design of walls
 - b. Final design of stairs
 - c. Handrailing details
 - d. Wall Details

C. Final Drainage Design & Plans

1. Prepare Drainage sheets (@ 1"=20' H., 1"=5' V.) and schedules.
2. Drainage Details
3. Prepare Storm Water Pollution Prevention Plan (SWPPP) if required per IEPA.
4. Storm water drainage will be designed in accordance with the current edition of the IDOT Drainage Manual. It is anticipated that the hydrology will be designed using the Rational Method. It is anticipated that the conveyance system will be storm sewers with the inlet spacing, capacity and hydraulic grade line designed per IDOT standards. It is anticipated that the existing conveyance system will remain and will accommodate proposed runoff.
5. Any existing drainage deficiencies which are brought to the attention of the design engineer will be addressed on a case-by-case basis using the design methodology of the IDOT Drainage Manual, as appropriate. It is not anticipated that any existing conditions hydrologic modeling will be performed for the completion of this task.

6. Incorporate drainage improvement recommendations for study being complete by others for the area within this project.

D. Traffic Signal Design & Plans

1. Traffic Signal Plans and Details (7 intersections)
 - a. 8th Street
 - b. 10th Street
 - c. 14th Street
 - d. Stadium Drive
 - e. Parkway Drive
 - f. Allentown Road
 - g. Valle Vista Boulevard
2. Traffic Signal Interconnect Plans
3. Temporary Traffic Signal Plans (1 locations, Parkway Drive, assumed)

E. Lighting Final Design & Plans (2 Plan Sets)

1. Adjust Photometric Calculations based no IDOT provided comments.
2. Coordination with the Utility for new electrical Service(s)
3. Site Visit to survey existing conditions and to meet with Utility Company
4. Finalize electrical Site Plans, conduit and wire routing
5. Schematic Circuit Diagrams
6. Lighting Control Details, Lighting Details, Handhole Details, Finalize Fixture Schedule, General Notes and Legend
7. Voltage Drop Calculations, wire and conduit sizing
8. Special Provisions & Opinion of Probable Construction Costs, Summary of Quantities.
9. Review Meetings and Comment Disposition

F. Roadway Design & Plans (2 Plan Sets)

The following sheet types may be included based upon the agreed to final scope of roadway improvements for the corridor.

1. Title Sheet (w/ Sheet Index)
2. General Notes, Standard List, Legend/Abbrev.
3. Summary of Quantities Sheets
4. Schedule of Quantities
5. Existing/Proposed Typical Sections
6. H/V Control Schematic including control points and any required curve data
7. Control ties, TBM Locations
8. Construction Sequencing and Detour Plans
9. Removal/Relocation Plans
10. Plan / Profile Sheets (1" = 20' H & 1" = 5' V)

11. Erosion Control Plans
12. Erosion Control Details
13. Intersection Details
14. Sidewalk Ramp Grading Details
15. Pavement Marking / Signing and Details
16. Retaining wall/steps plans & details
17. Miscellaneous Details (CITY Standards, special details, misc., etc.)
18. Cross Section Sheets (with cross-sections every 50' (min.) and at all driveways)
19. IDOT District 4 Details
20. Coordinate submittal of the concept plans to the utility companies for their review.

G. Prefinal Plans, Specifications, and Estimates (2 Plan Sets)

1. State Standard Drawings (compile)
2. Bidding Documents on MFT forms
3. Preparation of Opinion of Probable Construction Cost and Estimate of Time
4. Provide special provisions covering construction work.
5. Prepare special provision for every pay item not being constructed per IDOT Standard Specifications.
6. Identify and incorporate IDOT BDE and Local Roads Special Provisions

H. Final Bid Documents (2 Plan Sets)

1. Prepare response to comments
2. Revise Prefinal Plans, Specifications, and Estimates
3. Compile and submit information for local letting
4. Update Opinion of Probable Construction Cost and Estimate of Time
5. Prepare required addendums

I. Land Acquisition Services

1. Property Appraisal and Appraisal Review Services: Provide property appraisal services and review appraisal services in conformity with the IDOT Land Acquisition Guidelines and Uniform Standards of Professional Appraisal Practice (USPAP) associated with the proposed right-of-way, easement, and parcel purchases (as required). A total of one hundred forty (140) properties will be appraised. Waiver valuations will be assumed for one hundred twenty (120) parcels and property appraisal/review appraisals will be assumed for twenty (20) parcels. It is assumed that a City Engineer will complete IDOT's 3-hour online course in order to write the waiver valuations.
 - a. Appraisals and Appraisal Reviews
 - i. Hanson will provide the City with property appraisal services and review appraisal services for the above assumed properties. The appraisals will involve a visual inspection of the subject

property and comparable properties in the market area, an analysis of market trends and the application of valuation methods to arrive at an opinion of market value based upon relevant market evidence.

- ii. If Hanson concludes, during parcel inspection or during the course of preparing the appraisal report for a parcel, that a more complex appraisal report is required, then Hanson and the City will negotiate new compensation amounts appropriate for the change in appraisal reports.
 - iii. Hanson will provide the City with market data to support the City's preparation of a waiver valuation when a waiver valuation is appropriate for a parcel's acquisition.
- b. Negotiations
- i. Hanson will prepare offer documents and conveyance documents for one hundred forty (140) parcels as appropriate for the nature of property ownership. This effort will include an attempt to present the offer package in person to the property owner, if the property owner or their representatives are located near the project site, and a minimum of three personal contacts per parcel, if required, to reach a negotiated settlement.
 - ii. In the event that settlement is reached, Hanson's negotiation efforts will be considered complete when the conveyance documents and documents to clear title encumbrances for each parcel are delivered to the City for approval and recording. In the event that settlement is not reached, Hanson's negotiation effort will be considered complete when each parcel is referred to the City for condemnation after attempts to negotiate the acquisition have failed and 120 days for the offer date have expired.
 - iii. Hanson will initiate negotiations upon the City's certification of the parcels' review appraisals or upon the City's certification of waiver valuations.
 - iv. Hanson will prepare condemnation request packets, if necessary, if negotiations have failed and upon the direction of the City.

J. Project Management

- 1. Financial and schedule controls
- 2. Kickoff meeting with CITY (2)
- 3. Internal kickoff meeting (2)
- 4. Coordination with CITY
- 5. Coordination with IDOT
- 6. Coordination with property owners
- 7. Prepare and Review meeting minutes

K. Quality Control/Quality Assurance Review

Provide proper quality assurance prior to sending any construction plans and specifications for review. The following items as a minimum will be reviewed prior to submitting any construction plans or specifications for review:

5. Every item shown in the construction plans either has a pay item or is specifically discussed in a pay item special provision.
6. Items to be constructed have been reviewed for constructability and directly correspond to a standard pay item or a special provision.
7. Existing utilities have been checked against proposed facilities for horizontal and vertical conflict (based on information received from the utility companies) during construction.
8. Address CITY comments and concerns.

L. Project Deliverables

The following are the number of copies of project documents to be submitted for each progress review:

1. 90% Pre-final Documents
3 Sets and Special Provisions and one pdf set
2. Final Construction Documents
5 Sets and Special Provisions and one pdf set

M. Project Progress Reviews

Project progress review meetings will be held at the following milestones:

1. Preliminary Geometric Design
2. 90% Pre-final Construction Documents

N. Furnish the originals and a reasonable number of prints of all necessary plans and documents, as determined by the CITY, including five copies of any Draft Report that is being submitted for review and one copy of all meeting minutes.

O. The CITY will provide or cause to be furnished the following:

1. Existing Roadway and Retaining Wall Plans
2. Existing Sewer Plans
3. Existing Sanitary and Storm sewer conditions and locations of any desired repairs to occur with this project.
4. Existing Field Topography (if any is available)
5. GIS topographic and parcel data and orthographic aerial photography of the study area
6. Proposed Roadway Plans for any adjacent improvements
7. Plat/Easement Information

- P.** The following items are not included in the scope of work but could be provided as an addendum to the contract:
1. Construction observation activities or answering questions during construction.
 2. Sewer televising
 3. Utility relocation plans
 4. Landscaping plans other than turf restoration will not be included in the plans. Any tree replacements necessary will be not be included in the plans, but will be coordinated with the City of Pekin to be replaced at an offsite location.
 5. Sanitary sewer plans and details.
 6. Reconstruction of the roadway including full pavement replacement, major change in horizontal/vertical alignments, etc, except south of Stadium Drive to avoid impacts to the school and at the Parkway intersection.
 7. Storm water retention/detention.
 8. Type, Size, and Location (TS&L) drawings for any retaining wall work.
 9. Retaining wall design for large wall between Easling & 17th.

ATTACHMENT B

Payment
Court Street Rehabilitation
Section No. 20-00196-00-EG

The CITY agrees to pay the ENGINEER as compensation for all services rendered in accordance with this AGREEMENT, on the basis hourly rates using the multiplier of 3.0, with a maximum compensation for these services not to exceed \$2,013,500 without prior authorization from the CITY. Billings will be issued at least monthly and will be based upon total services completed and expenses incurred at the time of billing.

Tasks	Total Hours	Average Hourly Rate	Labor+Overhead +Profit Costs	Direct Costs	Fee
PHASE I					
Public Involvement	182	\$185.30	\$33,725	\$480	\$34,205
Traffic Study	486	\$129.68	\$63,025	\$105	\$63,130
Survey	240	\$148.35	\$35,604	\$185,000	\$220,604
Retaining Wall Investigation	66	\$170.91	\$11,280	\$6,060	\$17,340
Geometric & Roadway Studies	1903	\$126.22	\$240,193	\$20,130	\$260,323
Preliminary Drainage Design	280	\$110.36	\$30,900	\$120	\$31,020
Environmental Studies	238	\$134.08	\$31,910	\$813	\$32,723
Preliminary Lighting Design	140	\$150.30	\$21,042	\$30	\$21,072
Project Development Report	136	\$146.82	\$19,968	\$285	\$20,253
Project Management	139	\$187.67	\$26,086	\$190	\$26,276
QC/QA	90	\$210.00	\$18,900	\$0	\$18,900
Subtotal	3,900	\$136.57	\$532,632	\$213,213	\$745,845

City of Pekin
County Tazewell
Route FAP 693
Section 20-00196-00-EG

Tasks	Total Hours	Average Hourly Rate	Labor+Overhead +Profit Costs	Direct Costs	Fee
PHASE II					
Environmental Signoffs	134	\$149.33	\$20,011	\$20,850	\$40,861
Geometric & Roadway Studies	825	\$122.27	\$100,875	\$0	\$100,875
Final Drainage Design & Plans	322	\$113.14	\$36,432	\$0	\$36,432
Traffic Signal Design & Plans	908	\$156.39	\$142,004	\$0	\$142,004
Lighting Design & Plans	374	\$148.62	\$55,584	\$60	\$55,644
8 th to Stadium					
Roadway Plans	1,555	\$117.43	\$182,601	\$0	\$182,601
Prefinal Plans	150	\$156.93	\$23,540	\$150	\$23,690
Final Plans	140	\$124.98	\$17,497	\$150	\$17,647
Stadium to Valle Vista					
Roadway Plans	1,418	\$117.95	\$167,256	\$0	\$167,256
Prefinal Plans	126	\$158.64	\$19,989	\$150	\$20,139
Final Plans	140	\$124.98	\$17,497	\$150	\$17,647
Land Acquisition Services					
Appraisals			20 @ \$3,000		\$60,000
Appraisal Review			20 @ \$1,500		\$30,000
Market Analysis			1 @ \$5,000		\$5,000
Waiver Valuations			120 @ \$750		\$90,000
Negotiations			140 @ \$1,500		\$210,000
Project Management	178	\$205.00	\$36,490	\$289	\$36,779
QC/QA	140	\$222.00	\$31,080	\$0	\$31,080
SubTotal	6,410	\$132.74	\$850,856	\$21,799	\$1,267,655
Total	10,310		\$1,383,488	\$235,012	\$2,013,500

Municipality City of Pekin	LOCAL AGENCY	Preliminary Engineering Services Agreement For Motor Fuel Tax Funds Supplement 1	CONSULTANT	Name Hanson Professional Services Inc.
Township				Address 7625 N. University St., Ste 200
County Tazewell				City Peoria
Section				State IL

THIS AGREEMENT is made and entered into this 8th day of June, 2020 between the above Local Agency (LA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Motor Fuel Tax Funds, allotted to the LA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT", will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Section Description

Name Rehabilitation of Court Street (Illinois Route 9)

Route FAP 693 Length 3.20 Mi. 16,920 FT (Structure No.)

Termini Court Street from Broadway Street to Veterans Drive

Description:

Potential improvements for Court Street may include new curb & gutter, pavt. patching and repair, HMA mill/overlay, pavement marking, traffic signals, storm sewer, sidewalk, ADA ramps, and retaining wall repair.

Agreement Provisions

The Engineer Agrees,

1. To perform or be responsible for the performance of the following engineering services for the LA, in connection with the proposed improvements herein before described, and checked below:
 - a. ☐ Make such detailed surveys as are necessary for the preparation of detailed roadway plans
 - b. ☐ Make stream and flood plain hydraulic surveys and gather high water data, and flood histories for the preparation of detailed bridge plans.
 - c. ☐ Make or cause to be made such soil surveys or subsurface investigations including borings and soil profiles and analyses thereof as may be required to furnish sufficient data for the design of the proposed improvement. Such investigations are to be made in accordance with the current requirements of the DEPARTMENT.
 - d. ☐ Make or cause to be made such traffic studies and counts and special intersection studies as may be required to furnish sufficient data for the design of the proposed improvement.
 - e. ☐ Prepare Army Corps of Engineers Permit, Department of Natural Resources-Office of Water Resources Permit, Bridge waterway sketch, and/or Channel Change sketch, Utility plan and locations, and Railroad Crossing work agreements.
 - f. ☐ Prepare Preliminary Bridge design and Hydraulic Report, (including economic analysis of bridge or culvert types) and high water effects on roadway overflows and bridge approaches.
 - g. ☐ Make complete general and detailed plans, special provisions, proposals and estimates of cost and furnish the LA with five (5) copies of the plans, special provisions, proposals and estimates. Additional copies of any or all documents, if required, shall be furnished to the LA by the ENGINEER at his actual cost for reproduction.
 - h. ☐ Furnish the LA with survey and drafts in quadruplicate of all necessary right-of-way dedications, construction easement and borrow pit and channel change agreements including prints of the corresponding plats and staking as required.

Note: Four copies to be submitted to the Regional Engineer

- i. ☐ Assist the LA in the tabulation and interpretation of the contractors' proposals
 - j. ☐ Prepare the necessary environmental documents in accordance with the procedures adopted by the DEPARTMENT's Bureau of Local Roads & Streets.
 - k. ☐ Prepare the Project Development Report when required by the DEPARTMENT.
 - l. ☒ **See Attachment A.**
- (2) That all reports, plans, plats and special provisions to be furnished by the ENGINEER pursuant to the AGREEMENT, will be in accordance with current standard specifications and policies of the DEPARTMENT. It is being understood that all such reports, plats, plans and drafts shall, before being finally accepted, be subject to approval by the LA and the DEPARTMENT.
- (3) To attend conferences at any reasonable time when requested to do so by representatives of the LA or the Department.
- (4) In the event plans or surveys are found to be in error during construction of the SECTION and revisions of the plans or survey corrections are necessary, the ENGINEER agrees that he will perform such work without expense to the LA, even though final payment has been received by him. He shall give immediate attention to these changes so there will be a minimum delay to the Contractor.
- (5) That basic survey notes and sketches, charts, computations and other data prepared or obtained by the Engineer pursuant to this AGREEMENT will be made available, upon request, to the LA or the DEPARTMENT without cost and without restriction or limitations as to their use.
- (6) That all plans and other documents furnished by the ENGINEER pursuant to this AGREEMENT will be endorsed by him and will show his professional seal where such is required by law.

The LA Agrees,

1. To pay the ENGINEER as compensation for all services performed as stipulated in paragraphs 1i, 2, 3, 5 and 6 in accordance with one of the following methods indicated by a check mark:
- a. ☐ A sum of money equal to _____ percent of the awarded contract cost of the proposed improvement as approved by the DEPARTMENT.
 - b. ☐ A sum of money equal to the percent of the awarded contract cost for the proposed improvement as approved by the DEPARTMENT based on the following schedule:

Schedule for Percentages Based on Awarded Contract Cost

Awarded Cost	Percentage Fees	(see note)
Under \$50,000	_____	%
	_____	%
	_____	%
	_____	%
	_____	%

Note: Not necessarily a percentage. Could use per diem, cost-plus or lump sum.

- c. ☒ **See Attachment B**
2. To pay for services stipulated in paragraphs 1b, 1c, 1d, 1e, 1f, 1h, 1j & 1k of the ENGINEER AGREES at actual cost of performing such work plus _____ percent to cover profit, overhead and readiness to serve - "actual cost" being defined

as salary costs. Traveling and other out-of-pocket expenses will be reimbursed to the ENGINEER at his actual cost. Subject to the approval of the LA, the ENGINEER may sublet all or part of the services provided under the paragraph 1b, 1c, 1d, 1e, 1f, 1h, 1j & 1k. If the ENGINEER sublets all or part of this work, the LA will pay the cost to the ENGINEER plus a five (5) percent service charge.

"Cost to Engineer" to be verified by furnishing the LA and the DEPARTMENT copies of invoices from the party doing the work. The classifications of the employees used in the work should be consistent with the employee classifications for the services performed. If the personnel of the firm, including the Principal Engineer, perform routine services that should normally be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the work performed.

3. That payments due the ENGINEER for services rendered in accordance with this AGREEMENT will be made as soon as practicable after the services have been performed in accordance with the following schedule:
 - a. Upon completion of detailed plans, special provisions, proposals and estimate of cost - being the work required by paragraphs 1a through 1g under THE ENGINEER AGREES - to the satisfaction of the LA and their approval by the DEPARTMENT, 90 percent of the total fee due under this AGREEMENT based on the approved estimate of cost.
 - b. Upon award of the contract for the improvement by the LA and its approval by the DEPARTMENT, 100 percent of the total fee due under the AGREEMENT based on the awarded contract cost, less any amounts paid under "a" above.

By Mutual agreement, partial payments, not to exceed 90 percent of the amount earned, may be made from time to time as the work progresses.

4. That, should the improvement be abandoned at any time after the ENGINEER has performed any part of the services provided for in paragraphs 1a, through 1h and prior to the completion of such services, the LA shall reimburse the ENGINEER for his actual costs plus 200 percent incurred up to the time he is notified in writing of such abandonment -"actual cost" being defined as in paragraph 2 of THE LA AGREES.
5. That, should the LA require changes in any of the detailed plans, specifications or estimates except for those required pursuant to paragraph 4 of THE ENGINEER AGREES, after they have been approved by the DEPARTMENT, the LA will pay the ENGINEER for such changes on the basis of actual cost plus 200 percent to cover profit, overhead and readiness to serve -"actual cost" being defined as in paragraph 2 of THE LA AGREES. It is understood that "changes" as used in this paragraph shall in no way relieve the ENGINEER of his responsibility to prepare a complete and adequate set of plans and specifications.

It is Mutually Agreed,

1. That any difference between the ENGINEER and the LA concerning their interpretation of the provisions of this Agreement shall be referred to a committee of disinterested parties consisting of one member appointed by the ENGINEER, one member appointed by the LA and a third member appointed by the two other members for disposition and that the committee's decision shall be final.
2. This AGREEMENT may be terminated by the LA upon giving notice in writing to the ENGINEER at his last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LA all surveys, permits, agreements, preliminary bridge design & hydraulic report, drawings, specifications, partial and completed estimates and data, if any from traffic studies and soil survey and subsurface investigations with the understanding that all such material becomes the property of the LA. The ENGINEER shall be paid for any services completed and any services partially completed in accordance with Section 4 of THE LA AGREES.
3. That if the contract for construction has not been awarded one year after the acceptance of the plans by the LA and their approval by the DEPARTMENT, the LA will pay the ENGINEER the balance of the engineering fee due to make 100 percent of the total fees due under this AGREEMENT, based on the estimate of cost as prepared by the ENGINEER and approved by the LA and the DEPARTMENT.
4. That the ENGINEER warrants that he/she has not employed or retained any company or person, other than a bona fide employee working solely for the ENGINEER, to solicit or secure this contract, and that he/she has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the ENGINEER, any fee, commission, percentage, brokerage fee, gifts or any other consideration, contingent upon or resulting from the award or making of this contract. For Breach or violation of this warranty the LA shall have the right to annul this contract without liability.
5. That the attached General Conditions (C/S) Rev. 8 are included in and made a part of this Agreement.

IN WITNESS WHEREOF, the parties have caused the AGREEMENT to be executed in quadruplicate counterparts, each of which shall be considered as an original by their duly authorized officers.

Executed by the LA:

City of Pekin of the
(Municipality/Township/County)

ATTEST:

State of Illinois, acting by and through its

By Sue M. McMillan
City Clerk
(Seal)

By Mark A. Lutz
Title MAYOR

Executed by the ENGINEER:

Hanson Professional Services Inc.

7625 N. University Street, Suite 200

ATTEST:

Peoria, IL 61614

By _____

By _____

Title Assistant Vice President

Title Vice President

Approved _____ Date Department of Transportation _____ Regional Engineer

General Conditions

Hanson Agreement: C13L0177

Agreement Date: June 8, 2020

Project Name: Court Street Rehabilitation

1. Invoices: Charges for services will be billed at least as frequently as monthly, and at the completion of the Project. CLIENT shall compensate HANSON for any sales or value added taxes which apply to the services rendered under this agreement or any addendum thereto. CLIENT shall reimburse HANSON for the amount of such taxes in addition to the compensation due for services. Payment of invoices shall not be subject to any discounts or set-offs by the CLIENT unless agreed to in writing by HANSON. Invoices are delinquent if payment has not been received within 30 days from date of invoice. There will be an additional charge of 1 1/2 percent per month compounded on amounts outstanding more than 30 days. All time spent and expenses incurred (including attorney's fees) in connection with collection of any delinquent amount will be paid by CLIENT to HANSON per HANSON's current fee schedules.

2. Termination: This Agreement may be terminated by either party upon written notice. Any termination shall only be for good cause such as legal, unavailability of adequate financing or major changes in the scope of services. In the event of any termination, HANSON will be paid for all services and expenses rendered to the date of termination on a basis of payroll cost times a multiplier of 3.0 (if not previously provided for) plus reimbursable expenses, plus reasonable termination expenses, including the cost of completing analyses, records, and reports necessary to document job status at the time of termination.

3. Reuse of Documents: All documents including reports, drawings, specifications, and electronic media furnished by HANSON pursuant to this Agreement are instruments of its services. They are not intended or represented to be suitable for reuse by CLIENT or others on extensions of this project, or on any other project. Any reuse without specific written verification or adaptation by HANSON will be at CLIENT's sole risk, and without liability to HANSON, and CLIENT shall indemnify and hold harmless HANSON from all claims, damages, losses

and expenses including court costs and attorney's fees arising out of or resulting there from. Any such verification or adaptation will entitle HANSON to further compensation at rates to be agreed upon by CLIENT and HANSON.

4. Standard of Care: Services performed by HANSON under this Agreement will be conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other representation expressed or implied, and no warranty or guarantee is included or intended in this Agreement, or in any report, opinion, document or otherwise. Nothing in this Agreement is intended to create, nor shall it be construed to create, a fiduciary duty owed by either party to the other party. Hanson is not acting as a municipal advisor to CLIENT as defined by the Securities and Exchange Commission.

5. General Liability Insurance and Limitation: HANSON is covered by general liability insurance for bodily injury and property damage arising directly from its negligent acts or omissions, with limits which HANSON considers reasonable. Certificates of insurance shall be provided to CLIENT upon request in writing. HANSON shall not be responsible for any loss, damage or liability beyond the amounts, limits and conditions of such insurance. HANSON shall not be responsible for any loss, damage or liability arising from any act or omission by CLIENT, its agents, staff, other consultants, independent contractors, third parties or others working on the Project over which HANSON has no supervision or control.

6. Suspension of Services: If CLIENT fails to make payments when due or otherwise is in breach of this Agreement, HANSON may suspend performance of services upon five (5) calendar days' notice to CLIENT. HANSON shall have no liability whatsoever to CLIENT, and CLIENT agrees to make no claim for any delay or damage as a result of such suspension.

7. Delays: The CLIENT agrees that HANSON is not responsible for damages arising directly or indirectly

from any delays for causes beyond HANSON's control. For purposes of this Agreement, such causes include, but are not limited to, strikes or other labor disputes; severe weather disruptions or other natural disasters or acts of God; fires, riots, epidemics, war or other emergencies; failure of any government agency to act in a timely manner; failure of performance by the CLIENT or the CLIENT's contractors or consultants; or discovery of any hazardous substances or differing site conditions.

In addition, if the delays resulting from any such causes increase the cost or time required by HANSON to perform its services in an orderly and efficient manner, HANSON shall be entitled to negotiate a reasonable adjustment in schedule and compensation, or, if encountering severe disruptions or emergencies, shall be entitled to terminate services.

8. Consequential Damages: Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither CLIENT nor HANSON, their respective officers, directors, partners, employees, contractors or subconsultants shall be liable to the other or shall make any claim for incidental, indirect, or consequential damages arising out of or connected in any way to this Project or this Agreement. This mutual waiver of consequential damages shall include, but not be limited to, loss of use, loss of profit, loss of business, loss of income, loss of reputation and any other consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract and breach of strict and implied warranty. Both CLIENT and HANSON shall require similar waivers of consequential damages protecting all the entities or persons named herein in all contracts and subcontracts with others involved in the Project.

9. Contingency Fund: The Client and Hanson acknowledge that changes may be required during construction because of possible omissions, ambiguities or inconsistencies in the plans and specifications and, therefore, that the costs of the project may exceed the construction contract sum. The Client agrees to set aside a reserve in the amount of Five Percent (5%) of the actual project construction costs as a contingency reserve to be used, as required, to pay for any such increased project costs. The Client further agrees to make no claim by way of direct or third-party action against Hanson or sub-contractors and subconsultants with respect to any payments within the limit of the contingency reserve made to the construction contractors because of such

changes or because of any claims made by the construction contractors relating to such changes.

10. Additional Limitation: In recognition of the relative risks and benefits of the Project to both the CLIENT and HANSON, the risks have been allocated such that the CLIENT agrees that for the compensation herein provided HANSON cannot expose itself to damages disproportionate to the nature and scope of HANSON's services or the compensation payable to it hereunder. Therefore, the CLIENT agrees to limit its remedies against HANSON arising from HANSON's professional acts, errors or omissions, in any action based on strict liability, breach of contract, negligence or any other cause of action, such that the total aggregate amount of the CLIENT's damages shall not exceed ~~\$50,000 or~~ ^{\$1,000,000} HANSON's total net fee for services rendered on the Project, whichever is greater. This limitation pertains to HANSON and to its subcontractors and subconsultants, and applies as a single aggregate amount to all work performed under the Agreement, including all work performed under an amendment or modification. If CLIENT desires a limit greater than that provided above, CLIENT and HANSON shall include in this Agreement the amount of such limit and the additional compensation to be paid to HANSON for assumption of such additional risk. CLIENT must notify HANSON in writing, before HANSON commences any services, of CLIENT's intention to negotiate a greater limitation of remedies against Hanson and its associated impact on services, schedules, and compensation. Absent CLIENT's written notification to the contrary, HANSON will proceed on the basis that the total remedies against HANSON is limited as set forth above.

11. Personal Liability: It is intended by the parties to this Agreement that HANSON's services in connection with the Project shall not subject HANSON's individual employees, officers or directors to any personal legal exposure for the risks associated with this Project. Therefore, and notwithstanding anything to the contrary contained herein, the Client agrees that as the Client's sole and exclusive remedy, any claim, demand or suit shall be directed and/or asserted only against HANSON, a Delaware corporation, and not against any of HANSON's individual employees, officers or directors.

12. Assignment: Neither party to this Agreement shall transfer, sublet, or assign any rights or duties under or interest in this Agreement, including but not limited to monies that are due or monies that may become due, without the written consent of the other party.

Subcontracting to subconsultants, normally contemplated by HANSON as generally accepted business practice, shall not be considered an assignment for purposes of this Agreement.

13. Statutes of Repose and Limitation: All legal causes of action between the parties to this Agreement shall accrue and any applicable statutes of repose or limitation shall begin to run not later than the date of Substantial Completions. If the act or failure to act complained of occurs after the date of Substantial Completion, then the date of final completion shall be used, but in no event shall any statute of repose or limitation begin to run any later than the date HANSON's services are completed or terminated.

14. Dispute Resolution: In an effort to resolve any conflicts that arise during the design and construction of this Project or following completion of this Project, the CLIENT and HANSON agree that all disputes between them arising out of or relating to this Agreement or this Project shall be submitted to nonbinding mediation.

15. Authority and Responsibility: HANSON shall not guarantee the work of any Contractor or Subcontractor, shall have no authority to stop work, shall have no supervision or control as to the work or persons doing the work, shall not have charge of the work, and shall not be responsible for safety in, on, or about the job site or have any control of the safety or adequacy of any equipment, building component, scaffolding, supports, forms or other work aids.

16. Right of Entry: CLIENT shall provide for HANSON's right to enter property owned by CLIENT and/or others in order for HANSON to fulfill the scope of services for this Project. CLIENT understands that use of exploration equipment may unavoidably cause some damage, the correction of which is not the responsibility of HANSON.

17. Utilities: CLIENT shall be responsible for designating the location of all utility lines and subterranean structures within the property line of the Project. CLIENT agrees to waive any claim against HANSON, and to defend, indemnify and hold harmless from any claim or liability for injury or loss arising from HANSON or other persons encountering utilities or other man-made objects that were not called to HANSON's attention or which were not properly located on plans furnished to HANSON. CLIENT further agrees to compensate HANSON for any time or expenses incurred by HANSON in defense of any such claim, in accordance with

HANSON's prevailing fee schedule and expense reimbursement policy.

18. Job Site: Services performed by HANSON during construction will be limited to providing assistance in quality control and to deal with questions by the CLIENT's representative concerning conformance with drawings and specifications. This activity is not to be interpreted as an inspection service, a construction supervision service, or guaranteeing the Contractor's performance. HANSON will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs. HANSON will not be responsible for the Contractor's obligation to carry out the work in accordance with the Contract Documents. HANSON will not be considered an agent of the owner and will not have authority to direct the Contractor's work or to stop work.

19. Opinions of Cost: Since HANSON has no control over the cost of labor, materials or equipment or over a Contractor's method of determining prices, or over competitive bidding or market conditions, its opinions of probable Project cost or construction cost for this Project will be based solely upon its own experience with construction, but HANSON cannot and does not guarantee that proposals, bids or the construction cost will not vary from its opinions of probable costs. If the CLIENT wishes greater assurance as to the construction cost, he shall employ an independent cost estimator.

20. Shop Drawing Review: CLIENT agrees that HANSON's review of shop drawings, when such review is included in the scope of services, shall be solely for their conformance with HANSON's design intent and conformance with information given in the construction documents. HANSON shall not be responsible for any aspects of a shop drawing submission that affect or are affected by the means, methods, techniques, sequences and operations of construction, safety precautions and programs incidental thereto, all of which are the Contractor's responsibility. The Contractor will be responsible for lengths, dimensions, elevations, quantities and coordination of the work with other trades. CLIENT warrants that the Contractor shall be made aware of his responsibilities to review shop drawings and approve them in these respects before submitting them to HANSON.

21. Record Drawings: CLIENT agrees that HANSON's preparation of record drawings, when such preparation is included in the scope of services

and such preparation is based on information furnished by the Contractor and/or other third parties, will be made under the assumption that all furnished information is reliable and that HANSON cannot and does not warrant the accuracy of the furnished information. In the event that the scope of services additionally provides for HANSON to conduct surveys, investigations, and field measurements to collect or verify the information needed for the record drawings, HANSON will conduct such services with the standard of care as set forth in these General Conditions

22. Confidentiality: Each party shall retain as confidential, all information and data furnished to it by the other party which are designated in writing by such other party as confidential at the time of transmission, and are obtained or acquired by the receiving party in connection with this Agreement, and said party shall not disclose such information to any third party.

23. Third Party Beneficiaries: Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either CLIENT or HANSON. HANSON's services under this Agreement are being performed solely for the CLIENT's benefit, and no other party or entity shall have any claim against HANSON because of this Agreement or the performance or nonperformance of services hereunder. CLIENT and HANSON agree to require a similar provision in all contracts with contractors, subcontractors, subconsultants, vendors, and other entities involved in this Project to carry out the intent of this provision.

24. Severability: If any term or provision of this Agreement is held to be invalid or unenforceable under any applicable statute or rule of law, such holding shall be applied only to the provision so held, and the remainder of this Agreement shall remain in full force and effect.

25. Survival: Notwithstanding completion or termination of the Agreement for any reason, all rights, duties, obligations of the parties to this Agreement shall survive such completion or termination and remain in full force and effect until fulfilled.

26. Entire Agreement. This Agreement is the entire Agreement between the CLIENT and HANSON. It supersedes all prior communications, understandings and agreements, whether written or oral. Both parties have participated fully in the preparation and revision of this Agreement, and each party and its counsel have

reviewed the final document. Any rule of contract construction regarding ambiguities being construed against the drafting party shall not apply in the interpreting of this Agreement, including any Section Headings or Captions. Amendments to this Agreement must be in writing and signed by both CLIENT and HANSON.

27. Modification to the Agreement: CLIENT or HANSON may, from time to time, request modifications or changes in the scope of services to be performed hereunder. Such changes, including any increase or decrease in the amount of HANSON's compensation, to which CLIENT and HANSON mutually agree shall be incorporated in this Agreement by a written amendment to the Agreement.

28. Governing Law: This Agreement shall be governed by and interpreted pursuant to the laws of the State of Illinois.

ATTACHMENT A
SCOPE OF SERVICES
REHABILITATION OF COURT STREET

Hanson Professional Services Inc. shall prepare project development studies for roadway improvements to Court Street between 8th Street and Valle Vista Boulevard and final design and construction documents for roadway improvements to Court Street from 8th Street to Stadium Drive and Stadium Drive to Valle Vista Boulevard, in the City of Pekin (LA). The desire is to bring sidewalks and traffic signals up to current design standards, and to rehabilitate the existing pavement. The scope, fees, and schedule provided represent the expected upper limit of effort needed to complete the Phase I and Phase II design of the improvements associated with the federal funding for construction.

The proposed improvements will consist of:

- Improving intersection geometry and adjusting lane widths,
- Upgrading the existing sidewalks to meet current ADA/PROWAG standards including sidewalk curb ramps at intersections,
- Evaluating and adjusting drainage features to work with the proposed design and correcting any existing concerns,
- Conducting public involvement activities related to the proposed improvements, and
- Replacing existing traffic signals.

Potential improvements for Court Street may include new curb & gutter, pavement patching and repair, HMA mill and overlay, areas of reconstruction, new pavement marking, new traffic signals, storm sewers repairs and modifications, new sidewalk and curb ramps., and retaining wall repair or replacement. The documents will be prepared in English units using Microstation and in accordance with Federal Guidelines in IDOT's Bureau of Local Roads and Streets Manual.

SCOPE OF SERVICES:

The Scope of Services will be broken into two phases as noted below:

- Phase 1: Project Development Services
- Phase 2: Design and Plan Preparation Services

The Scope of Services to be provided is expected to include all of the following:

I. Project Development Services

The corridor boundaries for data collection are along Court Street from Broadway Street to Valle Vista Boulevard. Data collection will extend 100 feet down all intersecting side roads within the corridor boundaries and 500 feet beyond the project termini at 8th Street and Valle Vista Boulevard.

A. Public Involvement

1. One (1) public meeting
 - a. Prepare and coordinate newspaper advertisements for each Public Meeting. Notices will be published in the Pekin Daily Times and on the CITY website.
 - b. Prepare exhibits and tabletop rollouts of the project area depicting planned improvements for discussion.
 - c. Provide comment forms, name tags, directional signage, sign-in forms and other items for each public meeting
 - d. Attend and Facilitate Meeting
 - e. Prepare meeting minutes summarizing the meeting
 - f. Update the project information database with comments
 - g. Prepare responses to stakeholder comments for use by the City in public coordination.
2. Traffic Safety Committee Meetings – expected to be two (2)
 - a. Prepare exhibits of the project area depicting planned improvements for discussion.
 - b. Present proposed improvements and recommendations
 - c. Discuss options and concerns
3. One (1) City Council Meeting
 - a. Prepare of the project area depicting planned improvements for discussion.
 - b. Present proposed improvements and recommendations
 - c. Respond to questions
4. Chamber of Commerce Communications (2)
5. Meetings with individual stakeholders including Pekin High School and Pekin Park District (Assume 10)

B. Traffic Study

Prepare and submit a traffic study memorandum for the project corridor. The study is expected to include the following:

1. Review previous turning movement counts at ten (10) intersections along Court Street:
 - a. Broadway Street/Court Street/Margaret
 - b. Broadway Street/S. 8th Street
 - c. S. 8th Street
 - d. S. 10th Street
 - e. S. 14th Street
 - f. Stadium Drive
 - g. S. Parkway Drive/Sunset Drive
 - h. Allentown Road

- i. Valle Vista Boulevard
- 2. Using the Travel Demand Model (TDM):
 - a. Review existing network conditions within the study area.
 - b. Change network 2020 condition to proposed condition (1 alternative).
 - c. Change land uses in the study area gradually between 2020 and 2045.
 - d. Complete and reconcile 2045 no build and build Average Daily Traffic and peak hour turning movement traffic projections within the study area along Court Street.
- 3. Complete capacity and safety intersection analysis.
- 4. Complete Synchro corridor analysis for Court Street from Broadway Street to Valle Vista Street. (1 alternative)
- 5. Complete a traffic study, in memorandum form, including recommendations for cross-section and intersection improvements. Recommendations will be based on improving levels of safety, capacity Level of Service (LOS), and not volumes.
- 6. Prepare Traffic Management Plan – Court Street is a red route
 - a. Use TDM to project distribution of trips
 - b. Synchro Analysis (2 Stages, 2 Peaks)
 - c. Safety Analysis
 - d. Report and Comments
- 7. Attend and participate in the public open house, Traffic Safety Committee, and City Council meetings to address any traffic concerns associated with the proposed improvements.

C. Survey (Millennia Professional Services Inc.)

- 1. General Pickup Survey:
 - a. Parkway Drive north of Court Street from the existing survey limits to the shopping center entrance (approximately 225')
 - b. Additional parking lot topo in the northeast quadrant of the Parkway Drive and Court Street intersection. Approximately 25' behind existing sidewalk from the gas station canopy to approximately 325' north of Court Street
 - c. Additional parking lot topo in the southeast quadrant of the Sunset Drive and Court Street intersection
 - d. Sunset Drive south of Court Street from the existing survey limits to Brookview Terrace intersection (approximately 175')
 - e. Miscellaneous other areas identified during design.
- 2. Prepare ROW and/or Easement plats for 140 parcels
 - a. Obtain title commitments
 - b. Prepare legal descriptions

D. Retaining Wall Investigation

Investigate the condition and make recommendations for the existing concrete retaining wall located on the south side of Court Street between Easling Ct. and 17th St.

1. Review existing data:
The City will provide the existing information available for the wall and railing. This includes plans, repair history, survey information, etc. which are related to the walls.
2. Site Visits: Perform site visits to observe existing conditions, obtain field measurements, and document findings by an Illinois Licensed Structural Engineer. The purpose of the site visits will be to determine which elements of the structure, if any, need to be repaired or replaced. A list of these repair and replacement elements will be tabulated and quantified, and unit costs will be assigned. The site visit will be limited to visual observations, and sounding of concrete surfaces by hammer to locate spalled or delaminated concrete. Hanson will perform additional field survey to obtain elevations, topographic information, etc. as part of the basic scope of services.
3. Material sampling: Extract two concrete core samples from the existing concrete wall and test the compressive strength of the concrete. Petrographic and chemical analysis of the concrete is not included.
4. Coordinate design with known existing utilities.
5. Existing concrete retaining wall:
 - a. Based on the results of the investigation prepare a report to document an opinion of probable cause for any deterioration of the wall and a description of recommended alternatives for restoration/replacement of the structure.
 - b. Provide schematic level drawings of any proposed work.
 - c. Prepare an opinion of probable construction cost to complete the recommended restoration/replacement if needed to serve as a preliminary budget for the project.
6. Railing:
 - a. Review existing railing and document the current condition and any recommendations.
 - b. Prepare schematic level design calculations if warranted.
 - c. Prepare an opinion of probable construction cost to complete any recommended actions.

E. Geometric and Roadway Studies

Prepare roadway geometry and Intersection Design Studies (IDS), which are expected to include the following tasks: Conduct a field review of the study area to examine existing conditions, evaluate available improvement options, and determine a recommended course of action.

1. Pavement Condition Survey Conduct an on-site walk through to identify and rank locations of distressed pavement and determine possible maintenance activities required to correct the problem.
2. Prepare roadway pavement designs to cover various pavement and traffic conditions throughout the project. Approximately six (6) designs are expected.
3. Field review of existing conditions
4. Identify horizontal and vertical alignment controls.
5. Create existing horizontal and vertical alignments.
6. Develop design criteria for Court Street and cross roads.
7. Develop existing and proposed typical sections for Court Street. Review as-built plans of the existing roadway to determine pavement age and composition.
8. Complete cross section studies to determine proposed horizontal/vertical alignments and limits of proposed improvements.
9. Complete intersection design studies at each of the existing/proposed signalized intersections.
 - a. Court and Broadway
 - b. 8th and Broadway
 - c. Court and 8th
 - d. Court and 10th
 - e. Court and 14th
 - f. Court and Stadium/East Shore
 - g. Court and South Parkway
 - h. Court and Allentown
 - i. Court and Valle Vista
10. Retaining wall planning (Short walls along the ROW)
 - a. Preliminary layout of walls
 - b. Preliminary layout of stairs

11. Utility coordination
 - a. Call JULIE and request utility locates and utilities within the project area.
 - b. Draft letters to the utility companies in the project area requesting they provide data on the location of their facilities.
 - c. Keep a log of what utility data is received.
12. Review the data from the utility companies and evaluate perceived conflicts.
13. Prepare plan and profile exhibits.
14. Prepare a preliminary construction cost estimate
15. Coordination with Geotech for soil borings and pavement cores
 - a. Pavement cores will be taken along the length of the project to confirm existing pavement thickness and condition. Soil samples will be obtained at designated locations by standard split spoon (ASTM D 1586) methods according to the Standard Penetration Test (SPT). Sampling will be performed continuously to a depth of 5-1/2 feet below the existing grade at each of the borings. This will result in three (3) samples per boring.
 - b. Laboratory Testing: Samples retained from the borings will be examined by laboratory personnel to verify field descriptions and to estimate soil classifications in accordance with the Unified and/or Illinois Department of Transportation (IDOT) Soil Classification Systems. Laboratory testing will include moisture content determinations, as well as measurements of unconfined compressive strength, as appropriate. Atterberg Limits and particles size analysis will also be completed on representative subgrade soil samples. Density tests will also be completed on four (4) of the pavement cores.
 - c. Report of Data: Upon completion of sampling and testing, an engineering report will be prepared summarizing field and laboratory test data, including computer generated boring logs and test data sheets along with photo logs of the pavement cores. The report will address anticipated soil and groundwater conditions impacting site subgrade preparation and pavement design.

F. Preliminary Drainage Design

1. Review project information and attend one coordination meeting with the City of Pekin to discuss impacts.
2. Review known flooding history and any existing drainage deficiencies which are brought to the attention of the design engineer.
3. Storm water drainage will be designed in accordance with the current edition of the IDOT Drainage Manual. It is anticipated that the hydrology will be designed using the Rational Method. It is anticipated that the conveyance

system will generally be the existing storm sewer system with minor modifications to match revised curb line locations.

4. Examine existing drainage structures to help identify structures which may need to be replaced.
5. Existing conditions will be compared against proposed design to determine recommendations for upgrading the existing system. Recommendations will be based upon the incremental cost to upgrade the existing system to current design standards against the severity of known deficiencies.
6. Prepare drainage memo for PDR.
7. No storm water detention/retention design will be included.

G. Environmental Studies

1. Data collection of environmental resources and mapping.
2. Conduct a site reconnaissance survey to inventory environmental resources in the vicinity of the project area.
3. Coordination for cultural resources review.
4. Coordinate with Pekin Park District for possible 4(f) de Minimis involvement at Mineral Springs Park.
5. Conduct a Preliminary Environmental Site Assessment (PESA).
6. Prepare environmental documentation for the Project Development Report.
7. Assumptions for the environmental scope of services:
 - a. This project will be processed under federal guidelines of IDOT and will be processed as a Categorical Exclusion. It will not be processed as an Environmental Assessment (EA) or Environmental Impact Statement (EIS).
 - b. This project will not include conversion of any 6(f) lands.
 - c. This project will not include programmatic or individual Section 4(f) Evaluation.
 - d. No noise analysis will be required.

H. Lighting

1. Light Fixture Selections / Schedule
2. Photometric Calculations utilizing AGI 32
3. Preliminary Site Plans indicating fixture locations
4. Review Meeting and Disposition of comments
5. Internal coordination

Note: The lighting layout will be determined by IDOT Chapter 56 Highway Lighting and IES RP-8 requirements.

I. Project Development Report

1. Prepare report.
2. Prepare exhibits.
3. Print and Submit preliminary report to CITY and IDOT for review.
4. Address comments.
5. Print, and submit final PDR to IDOT for approval.
6. Coordination with IDOT

J. Project Management

1. Financial and schedule controls
2. Prepare project management plan
3. Administer project kick-off meeting with City
4. Internal kick-off meeting
5. Coordination with CITY
6. IDOT Coordination Meetings (2)
7. Prepare and Review meeting minutes
8. Coordinate & Attend two (2) Bi-monthly Coordination Meetings

K. Quality Control/Quality Assurance Review

Provide proper quality assurance prior to sending any construction plans and specifications for review. The following items as a minimum will be reviewed prior to submitting any construction plans or specifications for review:

1. Every item shown in the construction plans either has a pay item or is specifically discussed in a pay item special provision.
2. Items to be constructed have been reviewed for constructability and directly correspond to a standard pay item or a special provision.
3. Existing utilities have been checked against proposed facilities for horizontal and vertical conflict (based on information received from the utility companies) during construction.
4. Address CITY comments and concerns.

L. The following items are not included in the scope of work but could be provided as an addendum to the contract:

1. Sewer televising
2. Preparation of NEPA documentation for Environmental Assessment (EA) or Environmental Impact Statement (EIS). It is assumed the project will be processed as a Categorical Exclusion.
3. Mitigation planning and design for impacts to threatened and endangered species, wetlands/waters, or historic/archaeological resources.
4. Preparation of and coordination for a Section 404 permit and Section 401

Water Quality Certification.

5. Necessary permitting and/or mitigation for floodplain impacts.

II. Phase II Final Design and Plan Preparation

Prepare construction documents for two sets of plans:

1. 8th Street to Stadium Drive
2. Stadium Drive to Valle Vista Boulevard

A. Environmental Sign-offs

1. Update Biological Sign-off before final construction documents as necessary.
2. Conduct PSI – assume 18 sampling locations will be required.

B. Geometric & Roadway Studies

1. Develop existing and proposed typical sections.
2. Complete cross section studies to finalize proposed grading and limits of improvements.
3. Determine utility conflicts if any, and coordinate with impacted utilities.
4. Prepare plan and profile sheets (@ 1"=20' H., 1"=5' V.)
5. Finalize Easement limits
6. Determine proposed maintenance of traffic plan for project corridor. Construction will be performed using lane closures per IDOT standard details. Two-way traffic will be maintained at all times where possible.
7. Design retaining walls @ ROW (less than 4 ft)
 - a. Final design of walls
 - b. Final design of stairs
 - c. Handrailing details
 - d. Wall Details

C. Final Drainage Design & Plans

1. Prepare Drainage sheets (@ 1"=20' H., 1"=5' V.) and schedules.
2. Drainage Details
3. Prepare Storm Water Pollution Prevention Plan (SWPPP) if required per IEPA.
4. Storm water drainage will be designed in accordance with the current edition of the IDOT Drainage Manual. It is anticipated that the hydrology will be designed using the Rational Method. It is anticipated that the conveyance system will be storm sewers with the inlet spacing, capacity and hydraulic grade line designed per IDOT standards. It is anticipated that the existing conveyance system will remain and will accommodate proposed runoff.
5. Any existing drainage deficiencies which are brought to the attention of the design engineer will be addressed on a case-by-case basis using the design methodology of the IDOT Drainage Manual, as appropriate. It is not anticipated that any existing conditions hydrologic modeling will be performed for the completion of this task.

6. Incorporate drainage improvement recommendations for study being complete by others for the area within this project.

D. Traffic Signal Design & Plans

1. Traffic Signal Plans and Details (7 intersections)
 - a. 8th Street
 - b. 10th Street
 - c. 14th Street
 - d. Stadium Drive
 - e. Parkway Drive
 - f. Allentown Road
 - g. Valle Vista Boulevard
2. Traffic Signal Interconnect Plans
3. Temporary Traffic Signal Plans (1 locations, Parkway Drive, assumed)

E. Lighting Final Design & Plans (2 Plan Sets)

1. Adjust Photometric Calculations based no IDOT provided comments.
2. Coordination with the Utility for new electrical Service(s)
3. Site Visit to survey existing conditions and to meet with Utility Company
4. Finalize electrical Site Plans, conduit and wire routing
5. Schematic Circuit Diagrams
6. Lighting Control Details, Lighting Details, Handhole Details, Finalize Fixture Schedule, General Notes and Legend
7. Voltage Drop Calculations, wire and conduit sizing
8. Special Provisions & Opinion of Probable Construction Costs, Summary of Quantities.
9. Review Meetings and Comment Disposition

F. Roadway Design & Plans (2 Plan Sets)

The following sheet types may be included based upon the agreed to final scope of roadway improvements for the corridor.

1. Title Sheet (w/ Sheet Index)
2. General Notes, Standard List, Legend/Abbrev.
3. Summary of Quantities Sheets
4. Schedule of Quantities
5. Existing/Proposed Typical Sections
6. H/V Control Schematic including control points and any required curve data
7. Control ties, TBM Locations
8. Construction Sequencing and Detour Plans
9. Removal/Relocation Plans
10. Plan / Profile Sheets (1" = 20' H & 1" = 5' V)

11. Erosion Control Plans
12. Erosion Control Details
13. Intersection Details
14. Sidewalk Ramp Grading Details
15. Pavement Marking / Signing and Details
16. Retaining wall/steps plans & details
17. Miscellaneous Details (CITY Standards, special details, misc., etc.)
18. Cross Section Sheets (with cross-sections every 50' (min.) and at all driveways)
19. IDOT District 4 Details
20. Coordinate submittal of the concept plans to the utility companies for their review.

G. Prefinal Plans, Specifications, and Estimates (2 Plan Sets)

1. State Standard Drawings (compile)
2. Bidding Documents on MFT forms
3. Preparation of Opinion of Probable Construction Cost and Estimate of Time
4. Provide special provisions covering construction work.
5. Prepare special provision for every pay item not being constructed per IDOT Standard Specifications.
6. Identify and incorporate IDOT BDE and Local Roads Special Provisions

H. Final Bid Documents (2 Plan Sets)

1. Prepare response to comments
2. Revise Prefinal Plans, Specifications, and Estimates
3. Compile and submit information for local letting
4. Update Opinion of Probable Construction Cost and Estimate of Time
5. Prepare required addendums

I. Land Acquisition Services

1. Property Appraisal and Appraisal Review Services: Provide property appraisal services and review appraisal services in conformity with the IDOT Land Acquisition Guidelines and Uniform Standards of Professional Appraisal Practice (USPAP) associated with the proposed right-of-way, easement, and parcel purchases (as required). A total of one hundred forty (140) properties will be appraised. Waiver valuations will be assumed for one hundred twenty (120) parcels and property appraisal/review appraisals will be assumed for twenty (20) parcels. It is assumed that a City Engineer will complete IDOT's 3-hour online course in order to write the waiver valuations.
 - a. Appraisals and Appraisal Reviews
 - i. Hanson will provide the City with property appraisal services and review appraisal services for the above assumed properties. The appraisals will involve a visual inspection of the subject

property and comparable properties in the market area, an analysis of market trends and the application of valuation methods to arrive at an opinion of market value based upon relevant market evidence.

- ii. If Hanson concludes, during parcel inspection or during the course of preparing the appraisal report for a parcel, that a more complex appraisal report is required, then Hanson and the City will negotiate new compensation amounts appropriate for the change in appraisal reports.
 - iii. Hanson will provide the City with market data to support the City's preparation of a waiver valuation when a waiver valuation is appropriate for a parcel's acquisition.
- b. Negotiations
- i. Hanson will prepare offer documents and conveyance documents for one hundred forty (140) parcels as appropriate for the nature of property ownership. This effort will include an attempt to present the offer package in person to the property owner, if the property owner or their representatives are located near the project site, and a minimum of three personal contacts per parcel, if required, to reach a negotiated settlement.
 - ii. In the event that settlement is reached, Hanson's negotiation efforts will be considered complete when the conveyance documents and documents to clear title encumbrances for each parcel are delivered to the City for approval and recording. In the event that settlement is not reached, Hanson's negotiation effort will be considered complete when each parcel is referred to the City for condemnation after attempts to negotiate the acquisition have failed and 120 days for the offer date have expired.
 - iii. Hanson will initiate negotiations upon the City's certification of the parcels' review appraisals or upon the City's certification of waiver valuations.
 - iv. Hanson will prepare condemnation request packets, if necessary, if negotiations have failed and upon the direction of the City.

J. Project Management

- 1. Financial and schedule controls
- 2. Kickoff meeting with CITY (2)
- 3. Internal kickoff meeting (2)
- 4. Coordination with CITY
- 5. Coordination with IDOT
- 6. Coordination with property owners
- 7. Prepare and Review meeting minutes

K. Quality Control/Quality Assurance Review

Provide proper quality assurance prior to sending any construction plans and specifications for review. The following items as a minimum will be reviewed prior to submitting any construction plans or specifications for review:

5. Every item shown in the construction plans either has a pay item or is specifically discussed in a pay item special provision.
6. Items to be constructed have been reviewed for constructability and directly correspond to a standard pay item or a special provision.
7. Existing utilities have been checked against proposed facilities for horizontal and vertical conflict (based on information received from the utility companies) during construction.
8. Address CITY comments and concerns.

L. Project Deliverables

The following are the number of copies of project documents to be submitted for each progress review:

1. 90% Pre-final Documents
3 Sets and Special Provisions and one pdf set
2. Final Construction Documents
5 Sets and Special Provisions and one pdf set

M. Project Progress Reviews

Project progress review meetings will be held at the following milestones:

1. Preliminary Geometric Design
2. 90% Pre-final Construction Documents

N. Furnish the originals and a reasonable number of prints of all necessary plans and documents, as determined by the CITY, including five copies of any Draft Report that is being submitted for review and one copy of all meeting minutes.

O. The CITY will provide or cause to be furnished the following:

1. Existing Roadway and Retaining Wall Plans
2. Existing Sewer Plans
3. Existing Sanitary and Storm sewer conditions and locations of any desired repairs to occur with this project.
4. Existing Field Topography (if any is available)
5. GIS topographic and parcel data and orthographic aerial photography of the study area
6. Proposed Roadway Plans for any adjacent improvements
7. Plat/Easement Information

- P. The following items are not included in the scope of work but could be provided as an addendum to the contract:
1. Construction observation activities or answering questions during construction.
 2. Sewer televising
 3. Utility relocation plans
 4. Landscaping plans other than turf restoration will not be included in the plans. Any tree replacements necessary will be not be included in the plans, but will be coordinated with the City of Pekin to be replaced at an offsite location.
 5. Sanitary sewer plans and details.
 6. Reconstruction of the roadway including full pavement replacement, major change in horizontal/vertical alignments, etc, except south of Stadium Drive to avoid impacts to the school and at the Parkway intersection.
 7. Storm water retention/detention.
 8. Type, Size, and Location (TS&L) drawings for any retaining wall work.
 9. Retaining wall design for large wall between Easling & 17th.

ATTACHMENT B

Payment
Court Street Rehabilitation
Section No. 20-00196-00-EG

The CITY agrees to pay the ENGINEER as compensation for all services rendered in accordance with this AGREEMENT, on the basis hourly rates using the multiplier of 3.0, with a maximum compensation for these services not to exceed \$2,013,500 without prior authorization from the CITY. Billings will be issued at least monthly and will be based upon total services completed and expenses incurred at the time of billing.

Tasks	Total Hours	Average Hourly Rate	Labor+Overhead +Profit Costs	Direct Costs	Fee
PHASE I					
Public Involvement	182	\$185.30	\$33,725	\$480	\$34,205
Traffic Study	486	\$129.68	\$63,025	\$105	\$63,130
Survey	240	\$148.35	\$35,604	\$185,000	\$220,604
Retaining Wall Investigation	66	\$170.91	\$11,280	\$6,060	\$17,340
Geometric & Roadway Studies	1903	\$126.22	\$240,193	\$20,130	\$260,323
Preliminary Drainage Design	280	\$110.36	\$30,900	\$120	\$31,020
Environmental Studies	238	\$134.08	\$31,910	\$813	\$32,723
Preliminary Lighting Design	140	\$150.30	\$21,042	\$30	\$21,072
Project Development Report	136	\$146.82	\$19,968	\$285	\$20,253
Project Management	139	\$187.67	\$26,086	\$190	\$26,276
QC/QA	90	\$210.00	\$18,900	\$0	\$18,900
Subtotal	3,900	\$136.57	\$532,632	\$213,213	\$745,845

City of Pekin
County Tazewell
Route FAP 693
Section 20-00196-00-EG

Tasks	Total Hours	Average Hourly Rate	Labor+Overhead +Profit Costs	Direct Costs	Fee
PHASE II					
Environmental Signoffs	134	\$149.33	\$20,011	\$20,850	\$40,861
Geometric & Roadway Studies	825	\$122.27	\$100,875	\$0	\$100,875
Final Drainage Design & Plans	322	\$113.14	\$36,432	\$0	\$36,432
Traffic Signal Design & Plans	908	\$156.39	\$142,004	\$0	\$142,004
Lighting Design & Plans	374	\$148.62	\$55,584	\$60	\$55,644
8 th to Stadium					
Roadway Plans	1,555	\$117.43	\$182,601	\$0	\$182,601
Prefinal Plans	150	\$156.93	\$23,540	\$150	\$23,690
Final Plans	140	\$124.98	\$17,497	\$150	\$17,647
Stadium to Valle Vista					
Roadway Plans	1,418	\$117.95	\$167,256	\$0	\$167,256
Prefinal Plans	126	\$158.64	\$19,989	\$150	\$20,139
Final Plans	140	\$124.98	\$17,497	\$150	\$17,647
Land Acquisition Services					
Appraisals	20 @ \$3,000				\$60,000
Appraisal Review	20 @ \$1,500				\$30,000
Market Analysis	1 @ \$5,000				\$5,000
Waiver Valuations	120 @ \$750				\$90,000
Negotiations	140 @ \$1,500				\$210,000
Project Management	178	\$205.00	\$36,490	\$289	\$36,779
QC/QA	140	\$222.00	\$31,080	\$0	\$31,080
SubTotal	6,410	\$132.74	\$850,856	\$21,799	\$1,267,655
Total	10,310		\$1,383,488	\$235,012	\$2,013,500

**REQUEST FOR COUNCIL ACTION**

Agenda Date: January 22, 2024
To: Members of the City Council
From: Josie Esker, City Engineer

AGENDA ITEM: Ordinance No. 4150-23/24 Approve Acquisition of Stadium Drive Easements & Right of Way from Pekin High School for Multi-Use Path

DESCRIPTION: The City of Pekin is planning a multi-use path project that will be constructed along Stadium Drive from Court Street to the existing bike path north of the 4-H buildings. A portion of the path is proposed to extend onto Pekin High School's Property. In order to build the path, the City needs the High School to approve the purchase of Right-of-Way, a permanent easement, and temporary easement from the High School. City staff has discussed a donation of the Right-of-Way and easements with High School staff, since the High School is a supporter of this project. **Staff recommends approval.**

FINANCIAL IMPACT:

Requested Amount: N/A
 Line Item:
 Budgeted Amount:
 Remaining Funds:
 Notes:

REVIEWED BY:

Dean Schneider, Public Works Director	Approved - 1/17/2024
Katherine Swise, City Attorney	Approved - 1/18/2024
John Dossey, City Manager	Approved - 1/18/2024
Sue McMillan, City Clerk	Final Approval - 1/19/2024



CONSULTING ENGINEERING
GEOSPATIAL SERVICES

THOUVENOT, WADE & MOERCHEN, INC.

PEORIA OFFICE

1014 W PIONEER PKWY, SUITE 100

PEORIA, IL 61615

309.326.6030

TWM-INC.COM

EXHIBIT "B"

Pekin Community High School District 303
PIN: 04-10-01-101-003
Tazewell County, IL

Proposed Permanent Easement

Part of the East Half of the Northwest Quarter of Section 1, Township 24 North, Range 5 West of the Third Principal Meridian, Tazewell County, Illinois, more particularly described as follows:

Commencing at the northeast corner of Lot A as shown on a Survey and Subdivision of Grant Property dated May 31, 1946, and recorded June 5, 1946, in Plat Book N at Page 79, as Document No. 234533; thence South 00 degrees 52 minutes 08 seconds East along the east line of said Lot A, 56.02 feet to the Point of Beginning.

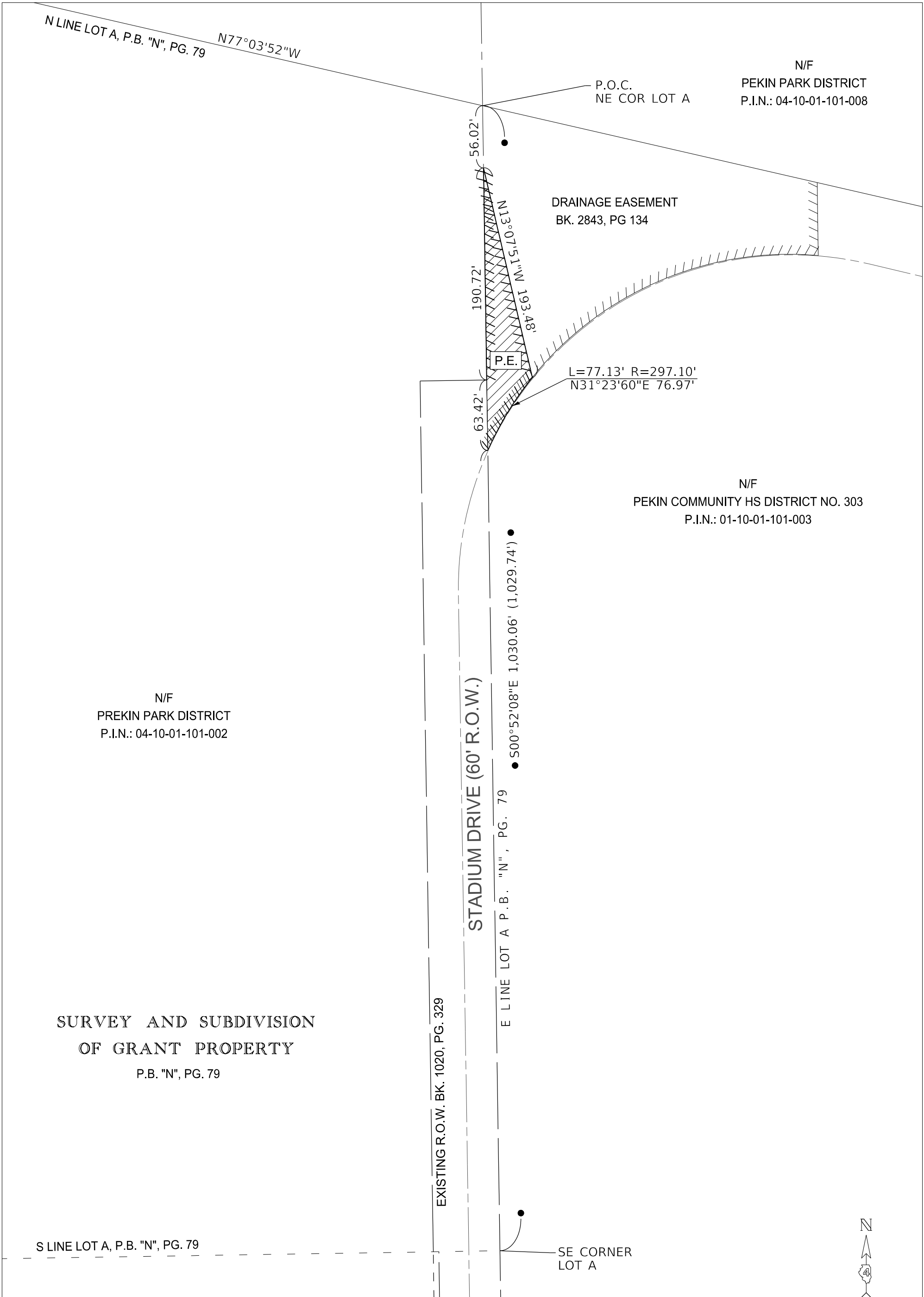
From said Point of Beginning, thence continuing South 00 degrees 52 minutes 08 seconds East along said east line, 245.14 feet to the intersection of said east line with the centerline of Stadium Drive; thence northeasterly along said centerline along a curve to the right an arc distance of 77.13 feet, said curve having a radius of 297.10 feet and a chord bearing North 31 degrees 23 minutes 60 seconds East, 76.97 feet; thence North 13 degrees 07 minutes 51 seconds West, 193.48 feet to the Point of Beginning.

Said easement contains 0.117 acres, more or less.

Subject to easements, conditions and restrictions of record.

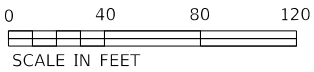
Respectfully, **Thouvenot, Wade & Moerchen, Inc.**

PLOTTED BY: spoge
PLOT SCALE: 80,000' / in. PLOT DATE: 11/8/2023 12:34:42 PM



SURVEY AND SUBDIVISION
OF GRANT PROPERTY
P.B. "N", PG. 79

PROPOSED USE	AREA OF TRACT		REPRESENTATION
PERMANENT EASEMENT	5,093 S.F.±	0.117 AC±	



DESIGNED - SIP	REVISED -	EASEMENT EXHIBIT B							
DRAWN - AEH	REVISED -	PROJECT : STADIUM DRIVE SHARED USE PATH				JOB NO. : T51-221357			
CHECKED - SIP	REVISED -	SCALE: 1:80		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.			
DATE - 11/08/2023	REVISED -								
 TWM, INC. <i>WWW.TWM-INC.COM</i> IL DESIGN FIRM LICENSE NO: 184-001220		 CITY OF PEKIN STADIUM DRIVE SHARED-USE PATH		F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
							TAZEWELL	1	1
							CONTRACT NO. _____		
			FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT				



EXHIBIT "B"

Pekin Community High School District 303
PIN: 04-10-01-101-009
Tazewell County, IL

Proposed Temporary Construction Easement #1

Part of Lot B as shown on a Survey and Subdivision of Grant Property dated May 31, 1946, and recorded June 5, 1946, in Plat Book N at Page 79, as Document No. 234533, lying in the West Half of the Northwest Quarter of Section 1, Township 24 North, Range 5 West of the Third Principal Meridian, Tazewell County, Illinois, more particularly described as follows:

Commencing at the northeast corner of said Lot B, thence South 89 degrees 05 minutes 09 seconds West along the north line of said Lot B, 55.00 feet to the intersection of said north line with the west right of way line of Stadium Drive as described in an Easement for Highway Purposes dated December 9, 1968, and recorded February 26, 1969, in Book 810 at Page 538, as Document No. 469024; thence continuing South 89 degrees 05 minutes 09 seconds West along said north line 5.00 feet; thence South 00 degrees 52 minutes 08 seconds East along a line parallel with and 60.00 feet, measured perpendicular, west of said west right of way line, 4.85 feet to the Point of Beginning of TCE #1.

From said Point of Beginning, thence continuing South 00 degrees 52 minutes 08 seconds East along said parallel line, 99.48 feet; thence South 89 degrees 05 minutes 35 seconds West, 13.55 feet; thence North 01 degrees 00 minutes 08 seconds West, 99.46 feet; thence North 88 degrees 59 minutes 32 seconds East, 13.78 feet to the Point of Beginning of TCE #1.

Said easement contains 0.031 acres, more or less.

Proposed Temporary Construction Easement #2

Part of Lot B as shown on a Survey and Subdivision of Grant Property dated May 31, 1946, and recorded June 5, 1946, in Plat Book N at Page 79, as Document No. 234533, lying in the West Half of the Northwest Quarter of Section 1, Township 24 North, Range 5 West of the Third Principal Meridian, Tazewell County, Illinois, more particularly described as follows:

Commencing at the northeast corner of said Lot B, thence South 89 degrees 05 minutes 09 seconds West along the north line of said Lot B, 55.00 feet to the intersection of said north line with the west right of way line of Stadium Drive as described in an Easement for Highway Purposes dated December 9, 1968, and recorded February 26, 1969, in Book 810 at Page 538, as Document No. 469024; thence continuing South 89 degrees 05 minutes 09 seconds West along said north line 5.00 feet; thence South 00 degrees 52 minutes 08 seconds East along a line parallel with and 60.00 feet, measured perpendicular, west of said west right of way line, 144.98 feet to the Point of Beginning of TCE #2.

From said Point of Beginning, thence continuing South 00 degrees 52 minutes 08 seconds East along said parallel line, 192.48 feet; thence South 88 degrees 59 minutes 52 seconds West, 2.38 feet; thence North 00 degrees 09 minutes 31 seconds West, 192.30 feet to the Point of Beginning of TCE #2.

Said easement contains 0.005 acres, more or less.



Proposed Temporary Construction Easement #3

Part of Lot B as shown on a Survey and Subdivision of Grant Property dated May 31, 1946, and recorded June 5, 1946, in Plat Book N at Page 79, as Document No. 234533, lying in the West Half of the Northwest Quarter of Section 1, Township 24 North, Range 5 West of the Third Principal Meridian, Tazewell County, Illinois, more particularly described as follows:

Commencing at the northeast corner of said Lot B, thence South 89 degrees 05 minutes 09 seconds West along the north line of said Lot B, 55.00 feet to the intersection of said north line with the west right of way line of Stadium Drive as described in an Easement for Highway Purposes dated December 9, 1968, and recorded February 26, 1969, in Book 810 at Page 538, as Document No. 469024; thence continuing South 89 degrees 05 minutes 09 seconds West along said north line 5.00 feet; thence South 00 degrees 52 minutes 08 seconds East along a line parallel with and 60.00 feet, measured perpendicular, west of said west right of way line, 354.33 feet to the Point of Beginning of TCE #3.

From said Point of Beginning, thence continuing South 00 degrees 52 minutes 08 seconds East along said parallel line, 219.66 feet; thence South 88 degrees 59 minutes 52 seconds West, 10.15 feet; thence North 01 degrees 00 minutes 08 seconds West, 219.68 feet; thence North 89 degrees 05 minutes 35 seconds East, 10.66 feet to the Point of Beginning of TCE #3.

Said easement contains 0.052 acres, more or less.

Proposed Temporary Construction Easement #4

Part of Lot B as shown on a Survey and Subdivision of Grant Property dated May 31, 1946, and recorded June 5, 1946, in Plat Book N at Page 79, as Document No. 234533, lying in the West Half of the Northwest Quarter of Section 1, Township 24 North, Range 5 West of the Third Principal Meridian, Tazewell County, Illinois, more particularly described as follows:

Commencing at the northeast corner of said Lot B, thence South 89 degrees 05 minutes 09 seconds West along the north line of said Lot B, 55.00 feet to the intersection of said north line with the west right of way line of Stadium Drive as described in an Easement for Highway Purposes dated December 9, 1968, and recorded February 26, 1969, in Book 810 at Page 538, as Document No. 469024; thence continuing South 89 degrees 05 minutes 09 seconds West along said north line 5.00 feet; thence South 00 degrees 52 minutes 08 seconds East along a line parallel with and 60.00 feet, measured perpendicular, west of said west right of way line, 687.38 feet to the Point of Beginning of TCE #4.

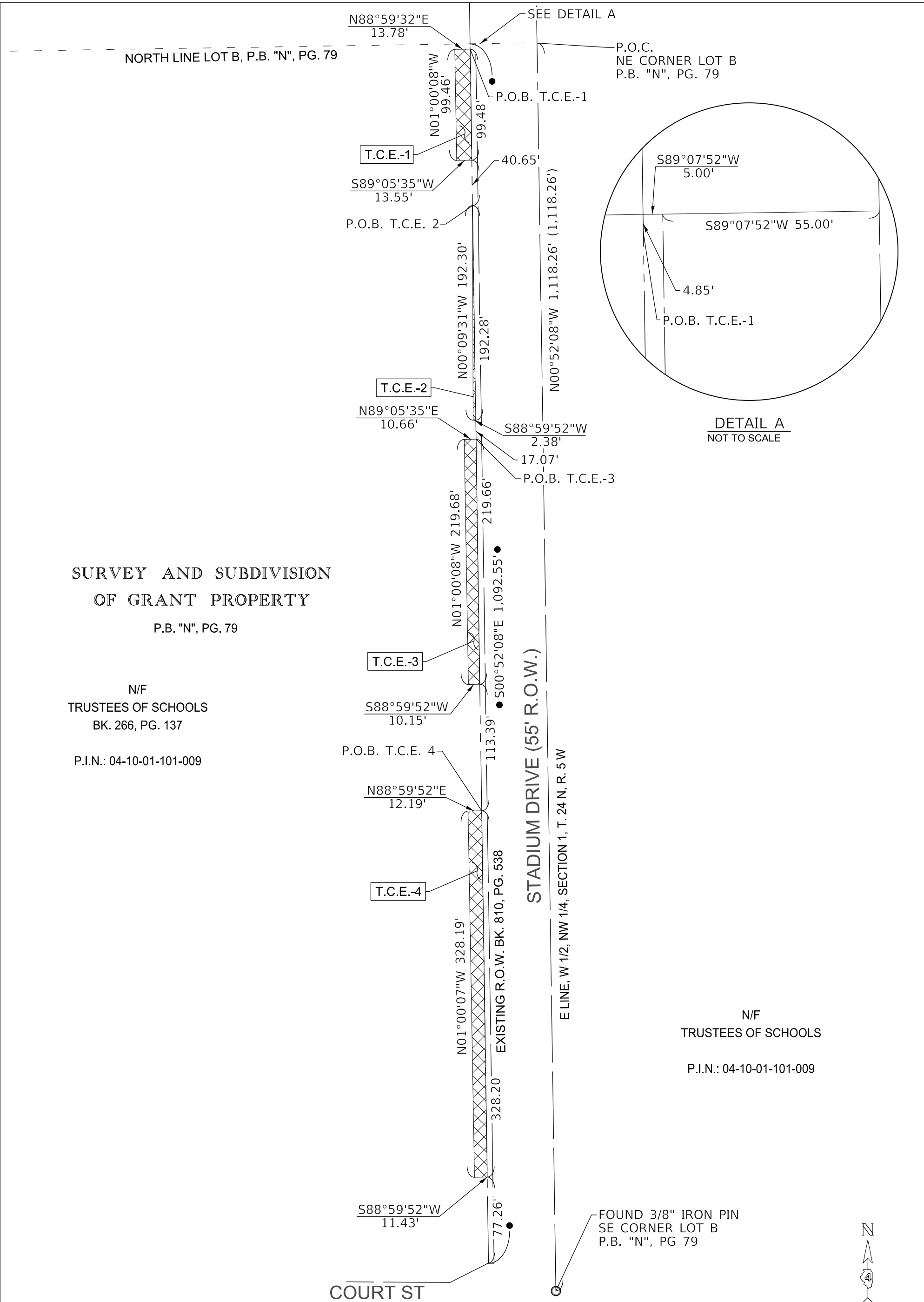
From said Point of Beginning, thence continuing South 00 degrees 52 minutes 08 seconds East along said parallel line, 328.20 feet; thence South 88 degrees 59 minutes 52 seconds West, 11.43 feet; thence North 01 degrees 00 minutes 07 seconds West, 328.19 feet; thence North 88 degrees 59 minutes 52 seconds East, 12.19 feet to the Point of Beginning of TCE #4.

Said easement contains 0.089 acres, more or less.

Subject to easements, conditions and restrictions of record.

Respectfully, **Thouvenot, Wade & Moerchen, Inc.**

PLOTTED BY: spoge
PLOT SCALE: 80,0000 ' / in.
PLOT DATE: 11/2/2023
7:53:48 PM



SURVEY AND SUBDIVISION
OF GRANT PROPERTY
P.B. "N", PG. 79

N/F
TRUSTEES OF SCHOOLS
BK. 266, PG. 137
P.I.N.: 04-10-01-101-009

N/F
TRUSTEES OF SCHOOLS
P.I.N.: 04-10-01-101-009

PROPOSED USE	AREA OF TRACT	REPRESENTATION
TEMPORARY CONSTRUCTION EASEMENT	7,750 S.F.± 0.177 AC±	

DESIGNED - SIP	REVISED -
DRAWN - AEH	REVISED -
CHECKED - SIP	REVISED -
DATE - 11/3/2023	REVISED -



TWM, INC.
WWW.TWM-INC.COM
IL DESIGN FIRM
LICENSE NO:
184-001220

CITY OF PEKIN
STADIUM DRIVE
SHARED-USE PATH

PROJECT : STADIUM DRIVE SHARED USE PATH		JOB NO. : T51-221357		
SCALE: 1:80	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.		
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		TAZEWELL	1	1
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

CONTRACT NO. _____

RIGHT OF WAY PLAT
PART OF LOT B AS SHOWN ON A SURVEY AND SUBDIVISION OF GRANT PROPERTY
LYING IN THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 1,
TOWNSHIP 24 NORTH, RANGE 5 WEST OF THE THIRD PRINCIPAL MERIDIAN
TAZEWELL COUNTY, ILLINOIS

LEGEND

○ IRON PIN FOUND
● ½"x24" IRON PIN SET
(XXX.XX') RECORD DISTANCES
XXX.XX' MEASURED DISTANCES
--- PROPOSED RIGHT OF WAY
--- EXISTING LOT LINE
--- EXISTING RIGHT OF WAY
--- QUARTER QUARTER SECTION LINE

PROPOSED RIGHT OF WAY PARCEL LEGAL DESCRIPTION:

THE WEST 5.00 FEET OF EVEN WIDTH OF THE EAST 60.00 EVEN WIDTH OF LOT B AS SHOWN ON THE SURVEY AND SUBDIVISION OF GRANT PROPERTY DATED MAY 25, 1946, AND RECORDED JUNE 5, 1946, IN PLAT BOOK N AT PAGE 79, AS DOCUMENT NO. 234533, LYING IN THE WEST HALF OF THE NORTHWEST QUARTER OF SECTION 1, TOWNSHIP 24 NORTH, RANGE 5 WEST OF THE THIRD PRINCIPAL MERIDIAN, TAZEWELL COUNTY, ILLINOIS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF SAID LOT B, THENCE SOUTH 89 DEGREES 05 MINUTES 09 SECONDS WEST (BEARINGS ASSUMED FOR DESCRIPTION PURPOSES ONLY), ALONG THE NORTH LINE OF SAID LOT B, 55.00 FEET TO THE POINT OF BEGINNING.

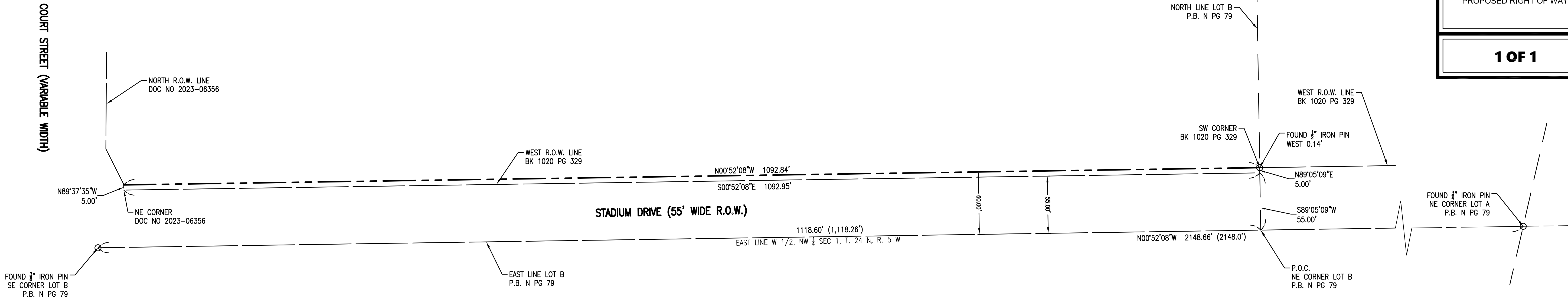
FROM SAID POINT OF BEGINNING, THENCE SOUTH 00 DEGREES 52 MINUTES 08 SECONDS EAST ALONG THE WEST RIGHT OF WAY LINE AS DESCRIBED IN AN EASEMENT FOR HIGHWAY PURPOSES DATED JANUARY 13, 1969, AND RECORDED FEBRUARY 26, 1969, IN BOOK 810 AT PAGE 538, AS DOCUMENT NO. 469024, A DISTANCE OF 1,092.95 FEET TO THE NORTHEAST CORNER OF A RIGHT OF WAY PARCEL OF PART OF LOT B AS DESCRIBED IN A WARRANTY DEED DATED MAY 10, 2023, AND RECORDED AS DOCUMENT NO. 2023-06356; THENCE NORTH 89 DEGREES 37 MINUTES 35 SECONDS WEST ALONG THE NORTH LINE OF SAID RIGHT OF WAY PARCEL, 5.00 FEET; THENCE NORTH 00 DEGREES 52 MINUTES 08 SECONDS WEST ALONG A LINE PARALLEL WITH AND 60.00 FEET, MEASURED PERPENDICULAR, WEST OF THE EAST LINE OF SAID LOT B, 1,092.84 FEET TO A POINT ON THE NORTH LINE OF SAID LOT B AND THE SOUTHWEST CORNER OF A TRACT AS DESCRIBED IN A DEED OF CONVEYANCE DATED FEBRUARY 19, 1974, AND RECORDED APRIL 18, 1974, IN BOOK 1020 AT PAGE 329, AS DOCUMENT NO. 541910; THENCE NORTH 89 DEGREES 05 MINUTES 09 SECONDS EAST ALONG THE NORTH LINE OF SAID LOT B, 5.00 FEET TO THE POINT OF BEGINNING.

SAID RIGHT OF WAY PARCEL CONTAINS 0.125 ACRES, MORE OR LESS.

N/F TRUSTEES OF SCHOOLS
BK 266 PG 137
PIN: 04-10-01-101-009

SURVEY AND SUBDIVISION OF
GRANT PROPERTY
PB N PG 79
LOT B

LOT A

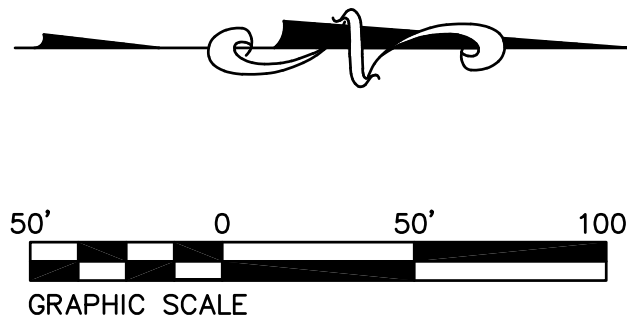
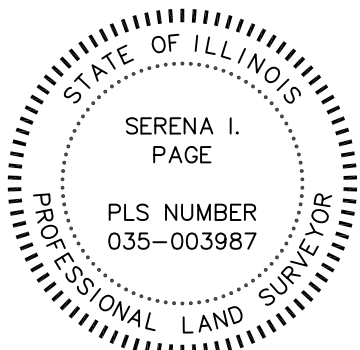


THIS IS TO CERTIFY THAT THOUVENOT, WADE, & MOERCHEN, INC., HAS DURING THE MONTH OF OCTOBER 2023, AT THE REQUEST OF THE CITY OF PEKIN, PERFORMED A BOUNDARY SURVEY OF THE TRACT SHOWN HEREON AND THAT THIS PLAT IS A TRUE AND ACCURATE REPRESENTATION THEREOF.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATE OF PLAT OR MAP: NOVEMBER 2, 2023.

SERENA PAGE
LICENSE NUMBER: 035-003987
EXPIRATION DATE: NOVEMBER 30, 2024



GENERAL NOTES:

1.) THIS SURVEY IS ONLY VALID TO THOSE WHO IT IS ORIGINALLY CERTIFIED TO. IT IS NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS. WITHOUT WRITTEN AUTHORIZATION FROM THOUVENOT, WADE AND MOERCHEN INC.

2.) ALL BUILDINGS, SURFACE AND SUBSURFACE IMPROVEMENTS ON AND ADJACENT TO THE SITE ARE NOT NECESSARILY SHOWN.

3.) BASIS OF BEARINGS AND COORDINATES: ALL DISTANCES AND COORDINATES SHOWN HEREON ARE GRID VALUES AND REFERENCED TO ILLINOIS STATE PLANE COORDINATE SYSTEM, WEST ZONE.

LINEAR UNIT: US SURVEY FEET (SFT)
GEODETIC DATUM: NAD 83 (2011)
VERTICAL DATUM: NAVD 88 (GEOID 18)

FIELD WORK COMPLETED ON OCTOBER 11, 2023.

TWM
CONSULTING ENGINEERING
GEOSPATIAL SERVICES
ILLINOIS | SWANSEA
COLUMBIA
GLEN CARBON
PEORIA
MISSOURI | ST. CHARLES
ST. LOUIS
COLUMBIA
TENNESSEE | NASHVILLE
CHATTANOOGA

**THOUVENOT, WADE
& MOERCHEN, INC.**
PEORIA OFFICE
1014 W PIONEER PKWY SUITE 100
PEORIA, IL
61615
309-326-6030
WWW.TWM-INC.COM

T51-221357

PROJECT:

STADIUM DRIVE
SHARED USE PATH

TITLE:

STADIUM DRIVE
PROPOSED RIGHT OF WAY

1 OF 1

**REQUEST FOR COUNCIL ACTION**

Agenda Date: January 22, 2024
To: Members of the City Council
From: Josie Esker, City Engineer

AGENDA ITEM: Ordinance No. 4151-23/24 Approve Stadium Drive Easements from Pekin Park District for Multi-Use Path

DESCRIPTION: The City of Pekin is planning a multi-use path project that will be constructed along Stadium Drive from Court Street to the existing bike path north of the 4-H buildings. A portion of the path is proposed to extend onto Pekin Park District Property. In order to build the path, the City needs the Park District to approve a permanent and temporary easement. City staff has discussed a donation of these easements with Park District staff, since the Park is a supporter of this project. Staff recommends approval.

FINANCIAL IMPACT:

Requested Amount: N/A
 Line Item:
 Budgeted Amount:
 Remaining Funds:
 Notes:

REVIEWED BY:

Dean Schneider, Public Works Director	Approved - 1/17/2024
Katherine Swise, City Attorney	Approved - 1/18/2024
John Dossey, City Manager	Approved - 1/18/2024
Sue McMillan, City Clerk	Final Approval - 1/19/2024



CONSULTING ENGINEERING
GEOSPATIAL SERVICES

THOUVENOT, WADE & MOERCHEN, INC.

PEORIA OFFICE

1014 W PIONEER PKWY, SUITE 100

PEORIA, IL 61615

309.326.6030

TWM-INC.COM

EXHIBIT "B"

Pekin Park District
PIN: 04-10-01-101-002; 04-10-01-101-008
Tazewell County, IL

Proposed Permanent Easement

Part of the West Half of the Northwest Quarter of Section 1, Township 24 North, Range 5 West of the Third Principal Meridian, Tazewell County, Illinois, more particularly described as follows:

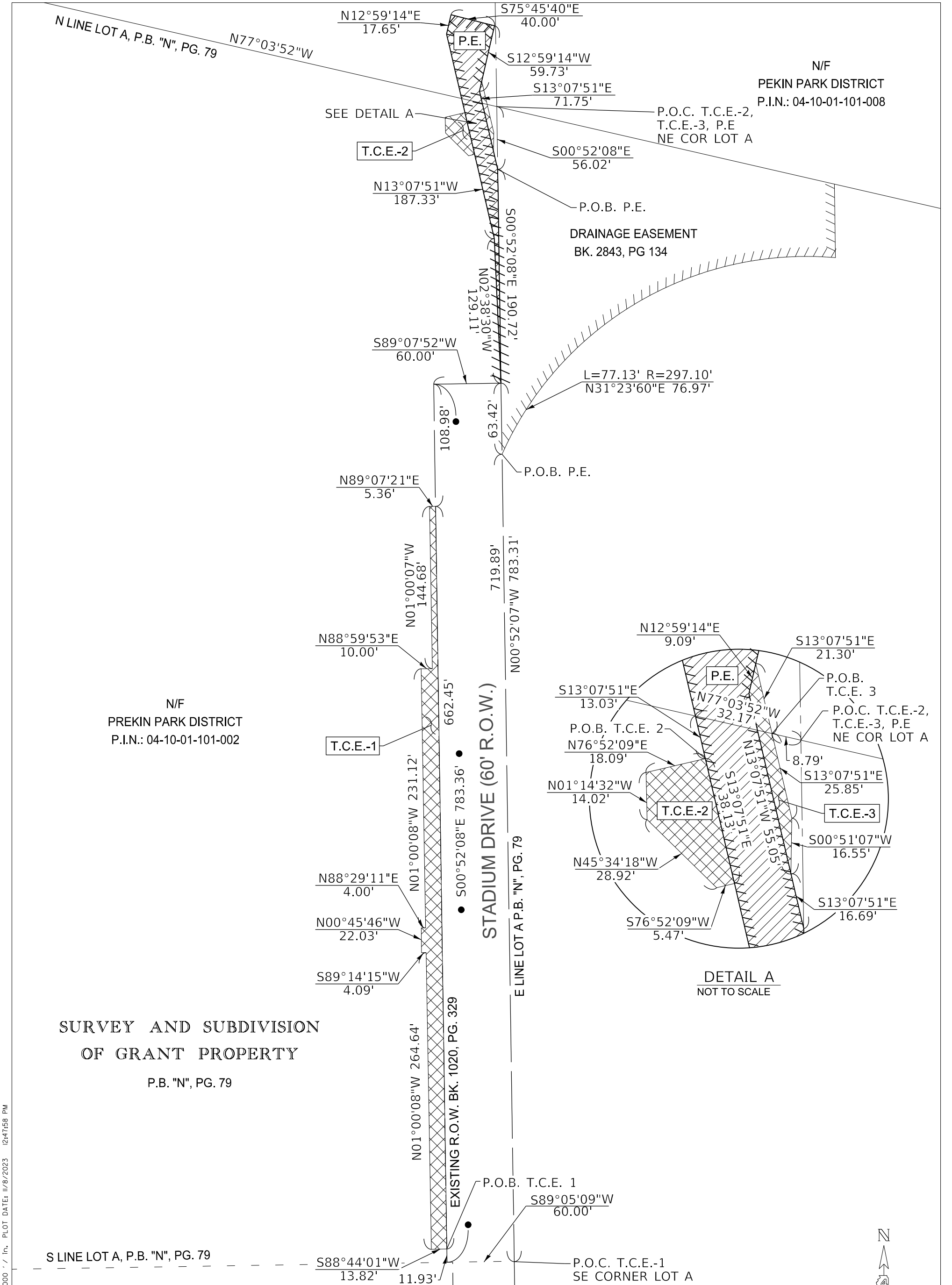
Commencing at the northeast corner of Lot A as shown on a Survey and Subdivision of Grant Property dated May 31, 1946, and recorded June 5, 1946, in Plat Book N at Page 79, as Document No. 234533; thence South 00 degrees 52 minutes 08 seconds East along the east line of said Lot A, 56.02 feet to the Point of Beginning

From said Point of Beginning, thence continuing South 00 degrees 52 minutes 08 seconds East along said east line, 190.72 feet to the northeast corner of a right of way parcel for Stadium Drive as described in a Deed of Conveyance dated February 19, 1974, and recorded April 18, 1974, in Book 1020 at Page 329, as Document No. 541910; thence North 02 degrees 38 minutes 30 seconds West, 129.11 feet; thence North 13 degrees 07 minutes 51 seconds West, 187.33 feet; thence North 12 degrees 59 minutes 14 seconds East, 17.65 feet; thence South 75 degrees 45 minutes 40 seconds East, 40.00 feet; thence South 12 degrees 59 minutes 14 seconds West, 59.73 feet; thence South 13 degrees 07 minutes 51 seconds East, 71.75 feet to the Point of Beginning.

Said easement contains 0.095 acres, more or less.

Subject to easements, conditions and restrictions of record.

Respectfully, **Thouvenot, Wade & Moerchen, Inc.**



PLOTTED BY: spage
PLOT SCALE: 80.0000' / in.
PLOT DATE: 11/8/2023 12:47:58 PM

SURVEY AND SUBDIVISION
OF GRANT PROPERTY
P.B. "N", PG. 79

PROPOSED USE	AREA OF TRACT		REPRESENTATION
TEMPORARY CONSTRUCTION EASEMENT	9,103 S.F.±	0.2090 AC±	
PERMANENT EASEMENT	4,130 S.F.±	0.095 AC±	

DESIGNED - SIP	REVISED -
DRAWN - AEH	REVISED -
CHECKED - SIP	REVISED -
DATE - 11/08/2023	REVISED -



TWM, INC.
WWW.TWM-INC.COM
IL DESIGN FIRM
LICENSE NO:
184-001220



CITY OF PEKIN
STADIUM DRIVE
SHARED-USE PATH

EASEMENT EXHIBIT B			
PROJECT : STADIUM DRIVE SHARED USE PATH		JOB NO. : T51-221357	
SCALE: 1:80	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
		TAZEWELL	1
FED. ROAD DIST. NO. _		CONTRACT NO. _	
ILLINOIS		FED. AID PROJECT	



EXHIBIT "B"

Pekin Park District
PIN: 04-10-01-101-002; 04-10-01-101-008
Tazewell County, IL

Proposed Temporary Construction Easement #1

Part of Lot A as shown on a Survey and Subdivision of Grant Property dated May 31, 1946, and recorded June 5, 1946, in Plat Book N at Page 79, as Document No. 234533, lying in the West Half of the Northwest Quarter of Section 1, Township 24 North, Range 5 West of the Third Principal Meridian, Tazewell County, Illinois, more particularly described as follows:

Commencing at the southeast corner of said Lot A, thence South 89 degrees 05 minutes 09 seconds West along the south line of said Lot A, 60.00 feet to the southwest corner of a right of way parcel for Stadium Drive as described in a Deed of Conveyance dated February 19, 1974, and recorded April 18, 1974, in Book 1020 at Page 329, as Document No. 541910; thence North 00 degrees 52 minutes 08 seconds West along the west right of way line of said Stadium Drive, 11.93 feet to the Point of Beginning of TCE #1.

From said Point of Beginning, thence South 88 degrees 44 minutes 01 seconds West, 13.82 feet; thence North 01 degrees 00 minutes 08 seconds West, 264.64 feet; thence South 89 degrees 14 minutes 15 seconds West, 4.09 feet; thence North 00 degrees 45 minutes 46 seconds West, 22.03 feet; thence North 88 degrees 29 minutes 11 seconds East, 4.00 feet; thence North 01 degrees 00 minutes 08 seconds West, 231.12 feet; thence North 88 degrees 59 minutes 53 seconds East, 10.00 feet; thence North 01 degrees 00 minutes 07 seconds West, 144.68 feet; thence North 89 degrees 07 minutes 21 seconds East, 5.36 feet to a point on said west right of way line; thence South 00 degrees 52 minutes 08 seconds East along said west right of way line, 662.45 feet to the Point of Beginning of TCE #1.

Said easement contains 0.191 acres, more or less.

Proposed Temporary Construction Easement #2

Part of Lot A as shown on a Survey and Subdivision of Grant Property dated May 31, 1946, and recorded June 5, 1946, in Plat Book N at Page 79, as Document No. 234533, lying in the West Half of the Northwest Quarter of Section 1, Township 24 North, Range 5 West of the Third Principal Meridian, Tazewell County, Illinois, more particularly described as follows:

Commencing at the northeast corner of said Lot A, thence North 77 degrees 03 minutes 52 seconds West along the north line of said Lot A, 32.17 feet; thence South 13 degrees 07 minutes 51 seconds East, 13.03 feet to the Point of Beginning of TCE #2.

From said Point of Beginning, thence continuing South 13 degrees 07 minutes 51 seconds East, 38.13 feet; thence South 76 degrees 52 minutes 09 seconds West, 5.47 feet; thence North 45 degrees 34 minutes 18 seconds West, 28.92 feet; thence North 01 degrees 14 minutes 32 seconds West, 14.02 feet; North 76 degrees 52 minutes 09 seconds East, 18.09 feet to the Point of Beginning of TCE #2.

Said easement contains 0.014 acres, more or less.



CONSULTING ENGINEERING
GEOSPATIAL SERVICES

THOUVENOT, WADE & MOERCHEN, INC.

PEORIA OFFICE
1014 W PIONEER PKWY, SUITE 100
PEORIA, IL 61615
309.326.6030
TWM-INC.COM

Proposed Temporary Construction Easement #3

Part of the West Half of the Northwest Quarter of Section 1, Township 24 North, Range 5 West of the Third Principal Meridian, Tazewell County, Illinois, more particularly described as follows:

Commencing at the northeast corner of Lot A as shown on a Survey and Subdivision of Grant Property dated May 31, 1946, and recorded June 5, 1946, in Plat Book N at Page 79, as Document No. 234533, thence North 77 degrees 03 minutes 52 seconds West along the north line of said Lot A, 8.79 feet to the Point of Beginning of TCE #3.

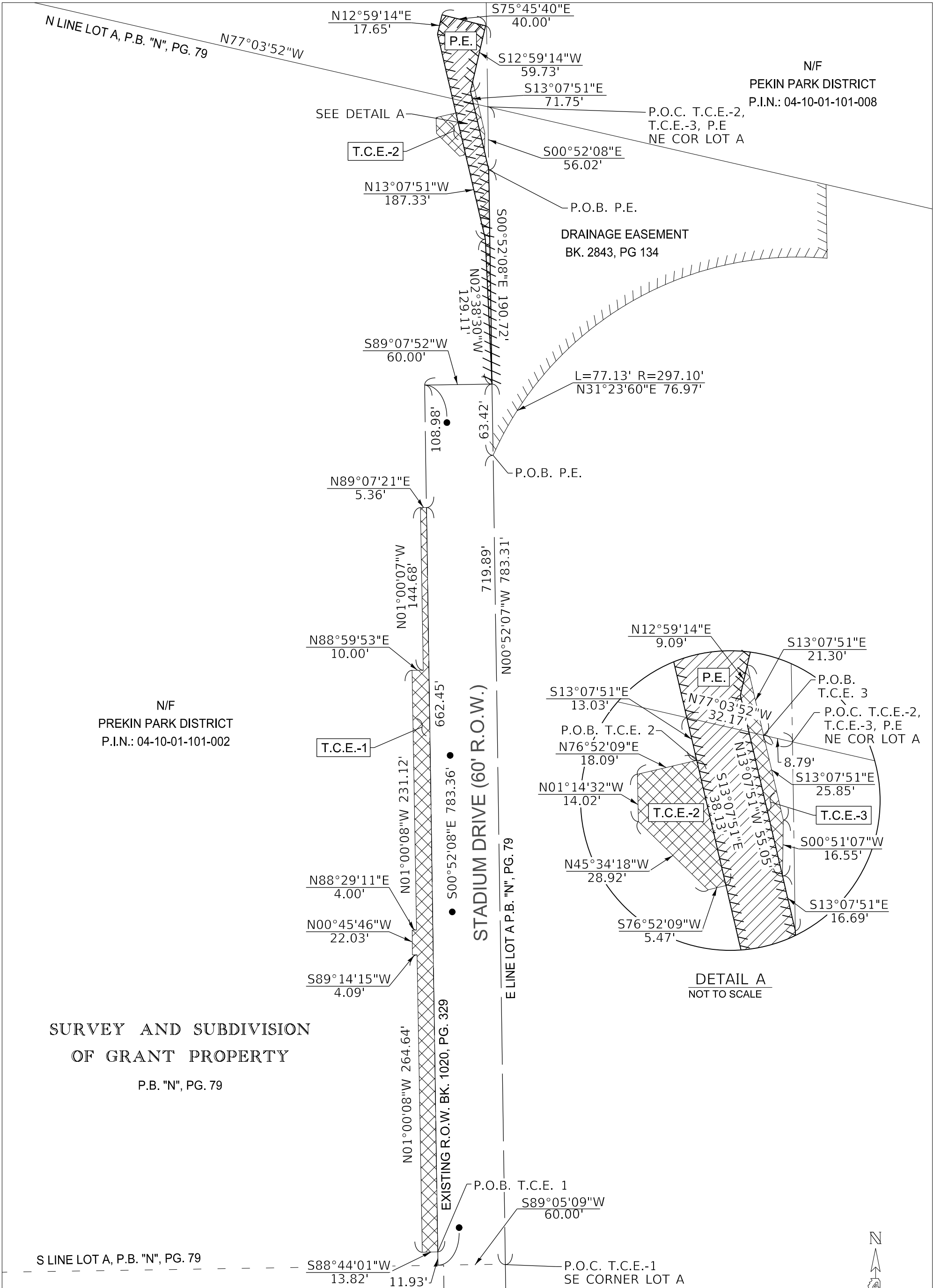
From said Point of Beginning, thence South 13 degrees 07 minutes 51 seconds East, 25.85 feet; thence South 00 degrees 51 minutes 07 seconds West, 16.55 feet; thence North 13 degrees 07 minutes 51 seconds West, 55.05 feet; thence North 12 degrees 59 minutes 14 seconds East, 9.09 feet; thence South 13 degrees 07 minutes 51 seconds East 21.30 feet to the Point of Beginning of TCE #3.

Said easement contains 0.005 acres, more or less.

Subject to easements, conditions and restrictions of record.

Respectfully, **Thouvenot, Wade & Moerchen, Inc.**

PLOTTED BY: spoge
PLOT SCALE: 80.0000' / in.
PLOT DATE: 11/8/2023 12:47:58 PM



SURVEY AND SUBDIVISION
OF GRANT PROPERTY
P.B. "N", PG. 79

PROPOSED USE	AREA OF TRACT		REPRESENTATION
TEMPORARY CONSTRUCTION EASEMENT	9,103 S.F.±	0.2090 AC±	
PERMANENT EASEMENT	4,130 S.F.±	0.095 AC±	



DESIGNED - SIP	REVISED -	EASEMENT EXHIBIT B						
DRAWN - AEH	REVISED -							
CHECKED - SIP	REVISED -	PROJECT: STADIUM DRIVE SHARED USE PATH		JOB NO.: T51-221357				
DATE - 11/08/2023	REVISED -	SCALE: 1:80	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.				
 TWM, INC. WWW.TWM-INC.COM IL DESIGN FIRM LICENSE NO: 184-001220		 CITY OF PEKIN STADIUM DRIVE SHARED-USE PATH		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						TAZEWELL	1	1
				CONTRACT NO.				
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT				



Solid Waste FY25 Budget

January 22, 2024

Solid Waste FY24 Year in Review



- Three new side load garbage trucks in fall of 2023
- 9 solid waste drivers and a supervisor
- Current monthly fee is still \$20/mo.
- Have not had a rate increase since 2019



Solid Waste FY25 Budget Impacts



- Landfill tipping fees increase from \$57.50 to \$59.50 per ton this year
- Tipping fees will likely increase much more significantly in FY26, when the current contract expires
- Lease payments on recently purchased trucks will be \$168,000 per year
- Projecting to lose money in solid waste for third year in a row without rate increase



Surrounding Community Rates



Pekin - \$20.00 / month

Peoria – \$24.00 / month (GFL)

Washington – \$16.10 / month + \$10.56 / month for landscape

Morton – \$18.50 / month (GFL)

Bloomington - \$18.54/mo. for 35 gal., \$28.98/mo. for 65 gal., \$33.62/mo. for 95 gal. (GFL)

Normal - \$32 / month (GFL)



Solid Waste Rate Increases

- There was a proposed rate increase in 2020, which was rejected due to COVID-19.
- Staff will be recommending a rate increase at the beginning of FY25
- Additional rate increase will likely be necessary in FY26 to combat likely 40% tipping fee increase
- Should not need additional trucks for three years



Sewer FY25 Budget

January 22, 2024

Sewer FY24 Year in Review - WWTP



- Handling more testing in house to save on cost
- Hauling sludge to landfill with City staff to save on cost
- Added \$300k in revenue from GFL leachate agreement
- Able to streamline tasks to maintain operations with same amount of staff



Sewer FY24 Year in Review - System



- Years of deferred maintenance in the underground sewer system, both storm & sanitary
- Doing pipe lining projects to secure existing pipes
- 2023 Derby Street sewer lining
- Need a more robust preventative maintenance program





Sewer FY25 Budget Impacts

- CSO Phase 3B Project is proposed to begin this year, with a cost of approximately \$15M. Will need to loan/bond for ~ \$10M.
- Sewer fund has been operating in the red for past two years.

Existing Rates

- The volumetric rate of \$7.66 for 1,000 gallons has not been increased since May 1, 2018
- Capital improvement charge has increased FY21: \$4.50, FY22: \$.69, FY23: \$2.20, FY24: \$3.30, FY25: \$4.41, FY26: \$4.90



Surrounding Community Rates

Pekin - \$7.66/1000 gallons + \$4.41 capital surcharge

Peoria – \$4.55/1000 gallons + \$5.00 storm (residential rate only)

Washington – \$10.82/1000 gallons + \$5.41 capital surcharge

East Peoria - \$10.40/1000 gallons

Bloomington - \$6.42/1000 gallons + \$11.83 capital + \$2.26 storm

Normal - \$5.60/1000 gallons + \$8.33 capital + \$4.60 storm



Surrounding Community Rates – Average Home

* Table based on 3000 gallons per month average, current FY25 Pekin rates

Community	Monthly Rate
Pekin (existing rate)	\$27.39
Peoria	\$18.65
Washington	\$37.87
East Peoria	\$31.20
Bloomington	\$33.35
Normal	\$29.73



Sewer Rate Increases

- Stagnant sewer rates have not kept up with inflation. If rates from 2018 had increased by 3% every year, they would be \$9.14 /1000 gallons & a capital improvement charge of \$4.90
- Sewer is an enterprise fund, that should be self sustaining.
- Currently the general fund is subsidizing the sewer fund. The federal prison pays 10% of sewer fees but no taxes.
- Staff will be proposing a rate increase at the beginning of FY25.

Questions?



Utility Billing FY 25 Budget

- Three fulltime staff (one position currently open)
- 13,000 customers
 - Note that one customer accounts for 10% of sewer revenue
 - Important to avoid taxpayers subsidizing rate payers
- Planning to eliminate the use of Lockbox this Fiscal Year
 - Average cost of \$1,700 a month
 - Average 1,200 payments a month received thru this
 - Will absorb with existing staffing level once fully staffed
- Shutoffs
 - Exploring expanding collection process for delinquents
 - FY 21 thru FY 23 had 380 shutoffs (note only restarted mid FY21 post covid)
 - FY 24 to date has 198 shutoffs out of 1,378 mailed notices
 - Considering a shut off fee to compensate the city for large amount of work required to process shutoffs, to reduce on-time customers subsidizing delinquents