



City of Pekin

REGULAR CITY COUNCIL MEETING MONDAY, AUGUST 28, 2017 5:30 PM

1.	Pledge of Allegiance
2.	Call to Order
3.	Approve Agenda
3.1.	Approve agenda
4.	Approval of Minutes
4.1.	Approval of Minutes
4.2.	City Council - Regular Meeting - Aug 14, 2017 5:30 PM
5.	Executive Session 5 ILCS 120/2 (c) 2. Collective Bargaining
6.	Public Input
7.	Communications
7.1.	2017 Peoria Area Convention and Visitors Bureau Presentation President and CEO Don Welsh
8.	Consent Agenda
8.1.	Enjoy Pekin Tourism Minutes 07/11/2017
8.2.	Intellectual Disabilities Week Proclamation ACTION REQUESTED: Approve Proclamation
8.3.	Resolution No. 64-17/18 ACTION REQUESTED: Authorization for the City Clerk to appoint Deputy City Clerk with the advice of the City Manager to work under the daily direction of the City Clerk.
8.4.	Reject all Bids for the 14th St. Guardrail and Drainage Rehabilitation ACTION REQUESTED: To reject all bids for the 14 th Street Guardrail and Drainage Rehabilitation Project.
8.5.	Airport Commission Minutes dated June 27, 2017

9. Unfinished Business	
9.1.	Amend the Engineering Agreement with Hanson for the Front Street ACTION REQUESTED: To approve the amended engineering agreement with Hanson Professional Services in the amount not to exceed \$600,000.
9.2.	Motor Fuel Tax Resolution No. 63-17/18 for Front Street Engineering ACTION REQUESTED: Approve Resolution for the expenditure of MFT Funds for the Engineering Agreement with Hanson for the Front Street Engineering in the amount of \$600,000.00.
10. New Business	
10.1.	Resolution No. 65-17/18 ACTION REQUESTED: Approve Resolution authorizing the City Manager to negotiate and execute on behalf of the City of Pekin contracts for group health insurance including life, dental, vision and short term disability insurance for full time eligible employees and retirees of the City of Pekin.
10.2.	Task Orders 1, 2, 3 for the Master Agreement with Farnsworth for General Wastewater Projects ACTION REQUESTED: To approve Task Order 001, 002, and 003 for the Master Service Agreement with Farnsworth Group for General Wastewater Engineering for a total lump sum of \$85,500.00
10.3.	Council Chamber Audio/Video Upgrades Revised ACTION REQUESTED: Seek approval to expend budgeted funds on upgrades for Council Chamber Audio & Video Equipment as Phase 2 of Broadcast Upgrades
11. Any Other Business To Come Before The Council	
12. Adjourn	

Column 1 Key:

TC Tony Carson City Manager

Column 2 Key:

1 A Prosperous Community. To promote and sustain a balanced economy that supports expansion and retention of family-wage jobs.

2 A Safe Community. To protect community life and property by providing effective, principled police and fire services.

3 A Strong Foundation. To improve and maintain existing infrastructure and leverage opportunities for new infrastructure.

4 A High Quality of Life. To support or provide services that improve the quality of life for Pekin's residents.

5 An Effective Government. To deliver effectively the services that Pekin's residents want, need, and are willing to support.

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 AUGUST 14, 2017 AT 5:30 O'CLOCK P.M.
JOHN MCCABE *MAYOR * PRESIDING

PLEDGE OF ALLEGIANCE

The Pledge of Allegiance was led by City of Pekin Explorers Chief Steven Miller, Sgt. Cody Sutter, Sgt. Robert Taylor, Explorer Ethan Venzon.

All Members were present for Roll Call. A quorum was declared.

Attendee Name	Title	Status	Arrived
James A Schramm	Council Member	Present	5:18 PM
Michael Garrison	Councilman	Present	5:15 PM
Lloyd Orrick	Mayor Pro-Tem	Present	5:13 PM
John P Abel	Council Member	Present	5:16 PM
Michael Ritchason	Council Member	Present	5:14 PM
Mark Luft	Council Member	Present	5:25 PM
John McCabe	Mayor	Present	5:26 PM

APPROVE AGENDA

3.1. Motion to: **Approve agenda**

RESULT:	ADOPTED [UNANIMOUS]
MOVER:	Michael Ritchason, Council Member
SECONDER:	Mark Luft, Council Member
AYES:	Schramm, Garrison, Orrick, Abel, Ritchason, Luft, McCabe

APPROVAL OF MINUTES

4.1. Motion to: **Approval of Minutes July 24, 2017**

RESULT:	ADOPTED [UNANIMOUS]
MOVER:	Michael Ritchason, Council Member
SECONDER:	Lloyd Orrick, Mayor Pro-Tem
AYES:	Schramm, Garrison, Orrick, Abel, Ritchason, Luft, McCabe

4.2. City Council - Regular Meeting - Jul 24, 2017 5:30 PM

PUBLIC INPUT

Bill Fleming addressed the Council on Busine item regarding moradorium on Parking downtown. He applied the Manager and the Traffic Safety Committee for their interesting in trying something new for the downtown businesses. His concern about parking lots being included in the moritorium were addressed. City Manager Tony Carson clatified that 2 hour parking restiction in City lots would not be enforced for the term of the resolution.

Jim Mangan questioned MFT Supplemental Resolution. He asked what the \$103,800 was used for and if the money what already spent without Council approval.

John McNish asked Council to shift the money for Front Street further east for City streets. He stated he had traveled Front Street and felt semis could handle the road as is. He gave

Minutes Acceptance: Minutes of Aug 14, 2017 5:30 PM (Approval of Minutes)

approval to the purchase of tasers for the police and encourage Council to keep the needed officer at the High School.

Ann Witzig expressed her opinion that rehashing Court Street at this meeting was a waste of time. The item could have been scheduled for the public someother time. She had concerns that a lot of money was being spended for professional services for Front Street. She said to Council if they really cared about the City they would be more interested in making streets people drive a priority. She expressed her displeasurer with not recieving respnse to her concerns or answers to her questions.

Nora Lovell owner Peek In Pottery commented there would be some issues but she was happy to try unlimited parking though she favored zone parking. She felt parking on downtown streets was intended for customers.

COMMUNICATIONS

6.1. **Recognition of the Police Department by the Illinois Association of Chief's of Police**

John Gomoll representing the Illinois Association of Chiefs of Police presented to Police Chief Dossey an award in recognition of the Pekin Police Department top 10 education and enforcement efforts in a Distractive Driver Campaign. The Chief informed the Council and Public that Stg. VonRohr developed a plan and approached local partners to help the PD educate the public in the dangers of distracted driving and alert them to enforcement activities. Pekin Insurance provided banners displayed by Avanti's Dome, Pekin High School, Buffalo Wild Wings, WalMart Circle K, and Dunkin Donuts. The week of April 24, 2017 through April 28, 2017 officers wrote 145 tickets addressing several violations, 72 specifically addressed distracted driving. Mr. Gomoll spoke to the Council on the dangers of distractive driving.

6.2. **Recognition of Pekin Police Explorer Post 2400 - Illinois State Conference Competition**

Police Chief Dossey gave recognition to Pekin Police Department Explorers for participating in the ILEEC at Lewis University in Romeoville, IL July 30, 2017 through August 4, 2017. Advisers Officer Ingles and Lt. Little attended with Explorers Chief Steven Miller. Sgt. Cody Sutter, Sgt. Robert Taylor, and Explorer Ethan Venzon. He noted the 5 awards brought back to Pekin by the participants as well as Officer Ingels in Advisor Bicycle Obstacle Course.

6.3. **Presentation of Court Street Design Update**

Representatives Kurt Bialobreski and Becca Wagner of Hanson Engineering Services, in a power Point presentation, provided the Council with Court Street update of the design status and master plan. The slides gave a short history of the agreement with IDOT for \$30 million to construct Veterans and the exchange for Route 9 Court Street. The benefits of additional capacity, new zones for economic growth, more control over Court Street. City Engineer Michael Guerra and Hanson Engineers discussed with the Council moving forward to determine best use for rmainig \$4 million; answered questions regarding 3 and 5 lanes sections; discussed 3 options for the remaining money, Valle Vista to Veterans, Parkway/Court Intersection; Signal at Stadium Drive; utility pole replacement. Council was encouraged to develop an Implementation Plan to leverage funding opportunities for corridor segments.

CONSENT AGENDA

Mayor McCabe read and presented three items for consideration of the Consent Agenda by Omnibus Vote.

Tazewell County Animal Control - July 2017

Liquor Commission Minutes - June 22, 2017

Traffic Safety Committee Meeting Minutes - July 2017

- 7.1. **Tazewell County Animal Control - July 2017**
- 7.2. **Liquor Commission Minutes dated June 22, 2017**
- 7.3. **Traffic Safety Committee Approved Meeting Minutes - July 2017**
- 7.4. **Motion to: Motion to approve the Consent Agenda**

RESULT:	ADOPTED [UNANIMOUS]
MOVER:	Mark Luft, Council Member
SECONDER:	Michael Garrison, Councilman
AYES:	Schramm, Garrison, Orrick, Abel, Ritchason, Luft, McCabe

NEW BUSINESS

- 8.1. **Pekin Area Chamber of Commerce Support Request**
Council was provided a letter from Executive Director Pekin Area Chamber of Commerce Bill Fleming requesting continuation of the annual financial support of the organization in the amount of \$14,000. The amount was the same requested for the last three years. Mr. Fleming spoke of the benefits of membership: business and community leaders' connections; leadership development; quality of life events; community resources for visitors, prospective businesses and potential new residents; representation on local and regional committees and organizations; and collaboration with the City on projects and issues to benefit the community. The Chamber also lobbies locally, in Springfield and DC on issues on behalf of and in partnership with the City - example the Transportation Committee.

RESULT:	APPROVED [6 TO 1]
MOVER:	Lloyd Orrick, Mayor Pro-Tem
SECONDER:	John P Abel, Council Member
AYES:	Schramm, Orrick, Abel, Ritchason, Luft, McCabe
NAYS:	Michael Garrison

- 8.2. **Amend the Engineering Agreement with Hanson for the Front Street**
City Engineer Michael Guerra requested the Council's approval of a second amendment to the original 2013 engineering agreement with Hanson Professional Services for the Front Street Development studies. The amendment would allow Hanson to prepare final plans and contract documents for the improvements. With completion of the design the City would be able to seek grant funding from the State and Federal levels. Applications for funding were already initiated. Mr. Guerra advised the Council that the industries located in the corridor had experienced growth to facilities along Front, Distillery Roads, and Fayette. Along with the benefit to the City there was additional stress to over stressed roads. The planned improvements included converting the entire section back to two way traffic, addition of curb and gutters, storm sewer for improved drainage, and widening to maximum extent. Mr. Guerra next

responded to the Council's questions, concerns, and comments. Council Member Luft expressed concern that the \$600,000 could be better spent on residential streets. Discussion was regarding the safety issue; Fayette Street deterioration; the need to be shovel ready for seeking grants along with the already support of CHS, ICP, Aventine. To the question of contacting the drivers for input, Mr. Guerra responded that discussions with merchandisers at two of the companies had indicated drivers were calling in if there was a wait to unload and would move on to a different grain facility. Council Member Abel reported that ICP had purchased Pacific Ethanol. Mayor McCabe advised that the City had already invested staff time into a Traffic Study, environmental Report.

Council Member Luft asked that additional time be given so Council could consider the additional information discussed and moved to table the Amendment to the Hanson Engineering Agreement.

RESULT:	TABLED [6 TO 1]
	Next: 8/28/2017 5:30 PM
MOVER:	John P Abel, Council Member
AYES:	Schramm, Garrison, Orrick, Ritchason, Luft, McCabe
NAYS:	John P Abel

- 8.3. 1198 : Resolution No. 63 MFT Resolution for Front Street Design**
Consideration of the resolution to utilize MFT funding not needed in as much as the Hanson Agreement was tabled. The Mayor moved to the next item of business. The resolution was coded as tabled by the Clerk.

RESULT:	TABLED [0 TO 0]
	Next: 8/28/2017 5:30 PM
AWAY:	Schramm, Garrison, Orrick, Abel, Ritchason, Luft, McCabe

- 8.4. 1199 : Resolution No. 62 Supplemental MFT Resolution 14-00000-01-GM**
Council was requested to adopt Resolution No. 62-17/18 the utilization of MFT Funding in the amount of \$103,800.00 to meet IDOT requirement that expenditures be approved by resolution amounts. The supplemental was needed to balance the total expenditures of MFT fund in fiscal year 2015 allowing the close of the project with IDOT.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Mark Luft, Council Member
SECONDER:	Michael Garrison, Councilman
AYES:	Schramm, Garrison, Orrick, Abel, Ritchason, Luft, McCabe

- 8.5. Resolution No. 61-17/18 City of Pekin Downtown Two Hour Parking Restriction Moratorium**
Council was advised at the request of the City Manager and in agreement after meeting with a majority of the owners and operators of downtown businesses, with the recommendation of the Traffic Safety Committee to implement a moratorium on parking. The moratorium on the downtown business district area eliminated the 2-hour parking restriction for the entire area including sidestreets included in the business district area and did not apply to parking lots. During the 6 month time period beginning September 1, 2017 and ending February 28, 2018, the business owners and managers would evaluate the benefits and

detriments to making an open parking setup and report back to the Traffic Safety Committee. If there were permanent changes different than current ordinance, they would be brought to Council as a recommendation from the TSC.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Michael Garrison, Councilman
SECONDER:	John P Abel, Council Member
AYES:	Schramm, Garrison, Orrick, Abel, Ritchason, Luft, McCabe

8.6. Request to Purchase Tasers

Police Chief Dossey requested Council's approval to spend previously approved funds to purchase 10 tasers, holsters, batteries and warranty in the amount of \$14,154.06. The taser provided a less than lethal option for the officers when confronted with a violent suspect. AXON/Taser was the sole source for the less lethal product.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Michael Ritchason, Council Member
SECONDER:	Lloyd Orrick, Mayor Pro-Tem
AYES:	Schramm, Garrison, Orrick, Abel, Ritchason, Luft, McCabe

8.7. Agreement Between Pekin Community High School District 303 Agreement for School Resource Officer

Police Chief Dossey advised the Council that the City had an ongoing relationship with Pekin Community High School District 303 for a School Resource Officer. The High School Board and the Police Department believed having an officer trained and available for juvenile justice programs improved the safety of the students, staff and general public and also deterred juvenile crime. The Chief explained the City's share of shared cost of the liaison officer with District 303 was \$52,273.35 (included benefits).

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Mark Luft, Council Member
SECONDER:	Michael Garrison, Councilman
AYES:	Schramm, Garrison, Orrick, Abel, Ritchason, Luft, McCabe

8.8. Intergovernmental Agreement by and between The Illinois Office of the Comptroller and The City of Pekin Regarding Access to The Comptroller's Local Debt Recovery Program

The Police Chief next recommended the approval of the I-DROP agreement with the State through the Comptroller's Office. The agreement would assist the City's recovery in gaining revenue from unpaid fees and fines for parking tickets and other fines/fees that remain unpaid to the City. He advised that the utilization of the program was part of the plan related to the Efficiency Study related to technology use as it related to e-ticketing and adjudication.

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Michael Ritchason, Council Member
SECONDER:	Lloyd Orrick, Mayor Pro-Tem
AYES:	Schramm, Garrison, Orrick, Abel, Ritchason, Luft, McCabe

ANY OTHER BUSINESS TO COME BEFORE THE COUNCIL

Linda Harmon thanked the Council Members that had come to the Vista Grande stormwater runoff issue and the two that had not yet reviewed the site in question. She provided for the Council additional photos on a cd. She explained she had spent an estimated \$10,000 in repairs and that this year the neighbors contacted Dave Burling to prepare ditches. She distributed to the Council copies of expenses for digging, seeding, new fence, etc. She asked Council for financial relief from the City and to see fit to put in the budget the \$200,000 that was indicated it would take to correct the matter. Lynette Hunt asked the Council to keep the drainage issue in the for front to correct. Steve Schroeder supported the residents pleas to get the water problem fixed. He asked that Council see that issues with the Council meetings getting started and Council being able to vote get fixed.

John McNish pointed out that there were lots of weeds around the new retention area on Derby Street and suggested the Council get a crew out to clean up the City owned property.

Ann Witzig questioned if the deadline was up in North Pekin Agreement settlement.

Jim Mangan voice concern on the legality of seating Council Member Schramm and his interest in the Liquor License issued to Yesterday's Bar and Grill, Inc. He described the missing Liquor Commission minutes as intentional, illegal and deceptive. Mr. Mangan asked for an investigation and immediate censure of the Liquor Commissioner.

City Manager Carson explained to Council and the public the process of the May budget for contruction and resurfacing of the roads only allows for moving to design after a budget is approved. This lends to actual work sometimes into September and October which were not ideal. Next year would like to begin design work done in the winter and be able to do work in the summer.

Attorney Burt Dancy advised the Council that Mr. Mangan's continual misinformation regarding Council Member Schramm's position or cover-ups were completely wrong in the pasted. They were wrong tonight.

Council Members wished Council Member Ritchason much success in his new Youth Ministry career.

Council Member Abel indicated the dirt was being moved for the location of a new Hampton Inn Hotel. Council was told the construction was just waiting for the approval of the Enterprise Zone application from the State of Illinois.

Council Member Orrick stated he would much rather see the \$1.4 million loan proceeds intended for stormwater matters on Derby Street, Broadway Farms, and 14th Street guard rail be used for fixing Vista Grande stormwater runoff flooding. He asked that the business be placed on the next agenda to re-prioritize. Council Member Schramm agreed with Council Member Orrick

City Engineer Mike Guerra reported that the N.P. settlement was moving forward.

Mayor McCabe made his special recognitions for events and fundraiser throughout the community and noted the success of those that had happened. Next Special City Council would be held on Monday, August 21, 2017 at 5:00 p.m.

ADJOURN

No further business to come before the Council, motion by Council Member Ritchason, seconded by Council Member Orrick that Council adjourn. Mayor McCabe adjourned the

meeting at 8:15 p.m.

**REQUEST FOR COUNCIL ACTION****To: Council Members****Date: August 23, 2017****From: Katy Shackelford, City Planner****Katy Shackelford, City Planner****AGENDA ITEM:** PACVB Presentation**AGENDA DATE REQUESTED:** August 28, 2017**REQUIRED SIGNATURES****Department Directors and City Staff:**

Date:

Finance Department (Certification of Availability of Funds):

Date:

City Manager:

Date:

**REQUEST FOR COUNCIL ACTION****To: Council Members****Date: August 9, 2017****From: Paula Gensel, Admin Asst.****Katy Shackelford, City Planner****AGENDA ITEM:** Enjoy Pekin Tourism Minutes 07/11/2017**AGENDA DATE REQUESTED:** August 28, 2017**REQUIRED SIGNATURES****Department Directors and City Staff:**

Date:

Finance Department (Certification of Availability of Funds):

Date:

City Manager:

Date:



**Enjoy Pekin – Tourism Committee Meeting
Tuesday, July 11, 2017
City Hall – 4:00pm**

MINUTES

Voting Members Present:, Katy Shackelford, Tony Carson, and Renna Hadsall

Non-Voting Members: John McCabe, Mayor

Voting Members Absent: Emily Lambe, Lelonie Luft, and Kaci/PACVB

- 1.0 Approval of June 13th Minutes. Motion made by Renna, 2nd by Tony to approve the June 13th minutes. All in favor, motion passed.
- 2.0 Hospitality
 - 2.1 Events
 - 2.1.1 Cruise In: Saturday, July 29th from 11am to 8pm. Flyers are distributed, on Enjoypekin calendar, City of Pekin's FB page and Renna will post on the Chamber of Commerce web site.
 - 2.1.2 Farmer's Market: will be held at the old KC Hall on N. 11th. We need to build on this and add to on social media.
 - 2.2 PACVB Updates: Kaci absent – no updates
 - 2.3 Pekin Chamber Updates: Fireworks display went off great. Had a great turnout; approximately 3,000 people. Not Tourism related, but working with a great group of people on the Emerging Leaders. We meet the last Thursday of each month.
- 3.0 Advertisements/Public Relations-tabled
 - 3.1 Pekin Community High School 2016/2017 Fall season - \$325.00
Paula received all the information requested from this advertiser. Ms. Shackelford is requesting both seasons (Fall and Spring) to be voted on. Motion made by Tony to approve the Fall season ad, seconded by Renna. All in favor, motion passed.
 - 3.1.2 HSSM High School Sports Media/2017 Illinois High School Football and Basketball magazine. Paula did not receive any correspondence back from them. Ms. Shackelford asked for a motion to deny this advertisement. Motion made by Renna to deny the advertisement, seconded by Tony. All in favor, motion passed.
 - 3.2 New Business
 - 3.2.1 Tourism Forum: - Next meeting will be July 27th at 9am in City of Pekin Council Chambers.

- 3.2.2 Identify participants: Ms. Shackelford going through the list.
- 3.2.3 Define Priority Area: nothing to report.
- 4.0 Infrastructure
 - 4.1 Beautification Initiatives
 - 4.1.1 Downtown Crosswalks: Installation to start on July 16th. Our Open House will be held on Friday, July 28th for the 4th Friday.
 - 4.1.2 Wayfinding: goal is to have signs designed and installed in 2 weeks.
 - 4.1.3 Signs and Awnings: Open House on July 12th at 5:30pm at 405 ½ Court Street. Grants will expire on October 31st, 2017.
 - 4.2 Bike Pekin
 - 4.2.1 Tazewell County Wayfinding Open House: Make Your Voice Heard. Open to the Public. East Peoria City Hall, July 19th, 2017 from 4pm to 6:30pm.
 - 4.2.2 Bike Share: Pekin Park District and Ms. Shackelford to meet with Zagster next week in Peoria.
 - 4.2.3 Trail Extension: nothing to discuss at this time.
- 5.0 Promotion:
 - 5.1 Social Media: Courtney Psinas has been hired on contract for our social media; Instagram, Twitter, Facebook.
 - 5.2 Enjoy Pekin Website: Ms. Shackelford thanked Renna and the Chamber for their time and energy with keeping up with the enjoy pekin web site and calendar of events, they did such a wonderful job.
- 6.0 Attraction
 - 6.1 ALGA Tournament: American Junior Golf. Pekin Country Club to host with Lick Creek Golf Course as the qualifier. Looking for sponsorships for the July 2018 Tournament.
- 7.0 Other Business

Tony would like to coordinate a meeting for the discussion of downtown parking before the 1st of August Traffic Safety Committee meeting. Possibly meet on the Open House date for the downtown crosswalks scheduled for July 28th.

Discussion: Guidelines for Enjoy Pekin Tourism Grants, Discuss Sponsorship Guidelines: Will discuss at the August meeting.

Next meeting – Tuesday, August 8th, 2017 at 4:00, Pekin City Hall



REQUEST FOR COUNCIL ACTION

To: Council Members

Date: August 7, 2017

From: Paula Gensel, Admin Asst.

AGENDA ITEM: Intellectual Disabilities Week Proclamation

AGENDA DATE REQUESTED: August 28, 2017

ACTION REQUESTED: Approve Proclamation

DESCRIPTION: Intellectual Disabilities Week

FINANCIAL IMPACT:

NEIGHBORHOOD CONCERNS:

IMPACT IF APPROVED:

IMPACT IF DENIED:

ALTERNATIVES:

RELATED TO EFFICIENCY STUDY:

RELATIONSHIP TO THE CONCEPTUAL PLANNING PROCESS: [check no more than 2 boxes. Copy this check mark √ and paste it to the left of the relevant theme.]

A Prosperous Community. To promote and sustain a balanced economy that supports expansion and retention of family-wage jobs.

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An Effective Government. To deliver effectively the services that Pekin's residents want, need, and are willing to support.

REQUIRED SIGNATURES

Department Directors and City Staff:

Date:

Finance Department (Certification of Availability of Funds):

Date:

City Manager:

Date:



WHEREAS, the Knights of Columbus will be conducting its 49th Annual Intellectual Disabilities Drive; and

WHEREAS, the Knights of Columbus in the State of Illinois have undertaken a project of assistance for the treatment and care of the mentally handicapped; and

WHEREAS, the local Councils of Knights of Columbus have annually conducted a statewide campaign in the communities in Illinois; and

WHEREAS, Archbishop Schlarman Council No. 3507 of Pekin will hold their 49th Annual Tootsie Roll Drive, Friday, September 15th through Sunday, September 17th, 2017; and

WHEREAS, ninety percent (90%) of these proceeds remain in the Pekin area to be distributed to the Schramm Educational Center, the Ann Benjamin Handicapped Children's Summer Camp Trust Fund, the Miller Home, the U of I Extension MR Program, the Pekin Park District Special Recreation Association, the YWCA Adaptive Aquatics/Special Olympics Swim Program, as well as Special Olympics.

NOW, THEREFORE, BE IT RESOLVED that I, JOHN MCCABE, Mayor of the City of Pekin, Illinois, do hereby proclaim Friday, September 16th thru Sunday, September 18th, 2016, to be

"INTELLECTUAL DISABILITIES WEEK"

in the City of Pekin, Tazewell County, Illinois and I urge all citizens to take cognizance of and cooperate in the campaign.

ADOPTED, this 28th day of August, in the Year of Our Lord, Two thousand and Seventeen.

JOHN MCCABE
Mayor

ATTEST:

SUE E. McMILLAN
City Clerk



REQUEST FOR COUNCIL ACTION

To: Council Members

Date: August 22, 2017

From: Sarah Newcomb, Human Resources Dir

AGENDA ITEM: Resolution No 64-17/18 Authorization for Deputy City Clerk

AGENDA DATE REQUESTED: August 28, 2017

ACTION REQUESTED: Authorization for the City Clerk to appoint Deputy City Clerk with the advice of the City Manager to work under the daily direction of the City Clerk.

DESCRIPTION: The City Clerk position is a stand alone position within the City of Pekin and as such has no significant back up when work load increases or in the case of illness or scheduled absences. Succession planning is a key factor in the future success of any organization. Succession planning for a City Clerk position is of utmost importance in the continued ability of a City's citizens, council members, employees, and other entities to recover and maintain documents and resources under the City Clerk's purview. The City Clerk is the official keeper of records for the City of Pekin and is vital to its legislative and historical management. With increased workload and legislative changes, it is important to strengthen the City Clerk's office through a full-time Deputy City Clerk. The City Clerk and City Manager propose to work together to hire a full-time Deputy City Clerk to serve in the absence of the City Clerk and to work with the City Clerk, City Manager, and other departments on a daily basis. The City is also in need of a communications officer and proposes combining the duties into the Deputy City Clerk position. The coordination of communications with the City Clerk's office is a logical connection as the City Clerk's office is responsible for documents and freedom of information requests. The addition of a Deputy City Clerk would allow the City Clerk's office to be the one stop for information requests and information output.

FINANCIAL IMPACT: Salary range of \$49,130 – maximum \$71,809 The position would be filled for a maximum of 6 months in the current fiscal year and would be budgeted for the full year in the FY 18-19 budget.

NEIGHBORHOOD CONCERNS:

IMPACT IF APPROVED: The City will have a method of succession in the City Clerk's office

IMPACT IF DENIED: The City Clerk will continue to complete the work without a backup.

ALTERNATIVES:

RELATED TO EFFICIENCY STUDY: page 16: In general, it is our observation that

municipal organizations operate best when the Mayor and City Council deal within the realm of policy-making and the City Manager deals within the realm of management issues...However, those issues which are clearly administrative or an integral part of achieving managerial goals should be responsive to the City Manager. This frees the Mayor and City Council to focus on setting the vision and goals for the community as well as establishing the target issues consistent with those goals and to measure management's progress toward those goals. Page 47: table shows 2.0 people in the City Clerk's office. However, the second person funded in the City Clerk's budget also works for waste water and finance as well as assisting the City Manager and City Council.

RELATIONSHIP TO THE CONCEPTUAL PLANNING PROCESS: [check no more than 2 boxes. Copy this check mark √ and paste it to the left of the relevant theme.]

	A Prosperous Community. To promote and sustain a balanced economy that supports expansion and retention of family-wage jobs.
	A Safe Community. To protect community life and property by providing effective, principled police and fire services.
	A Strong Foundation. To improve and maintain existing infrastructure and leverage opportunities for new infrastructure.
	A High Quality of Life. To support or provide services that improve the quality of life for Pekin's residents.
√	An Effective Government. To deliver effectively the services that Pekin's residents want, need, and are willing to support.

REQUIRED SIGNATURES

Department Directors and City Staff:

Date:

Finance Department (Certification of Availability of Funds):

Date:

City Manager:

Date:

Resolution No. 64-17/18**Resolution No.**

<Insert Legislation Here>

**PASSED BY THE PEKIN CITY COUNCIL, STATE OF ILLINOIS AND APPROVED
THIS 28th DAY OF AUGUST, 2017**

MAYOR

ATTEST:

CITY CLERK

RESOLUTION NO. 64-17/18**CITY OF PEKIN AUTHORIZATION TO APPOINT DEPUTY CITY CLERK**

WHEREAS, Section 1-6A.5 of the City Code, provides for the appointment, with advice of City Manager, of a person to serve as a deputy city clerk, when authorized by the City Council; and

WHEREAS, it is in the best interests of the City to plan effectively for qualified and experienced successors for staff positions; and

WHEREAS, the addition of a deputy city clerk will also aid the city clerk in the continuing efficient execution of her office, and all its obligations.

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of Pekin, Illinois, pursuant to Section 1-6A.5 of the City Code, that the Council authorizes the City Clerk, with the advice of the City Manager, to appoint a person to serve as deputy city clerk.

PASSED BY THE CITY COUNCIL OF THE CITY OF PEKIN, ILLINOIS, this 28th day of August, 2017.

AYES: _____

NAYES: _____

ABSTENTIONS: _____

PRESENT: _____

MAYOR

ATTEST:

CITY CLERK



REQUEST FOR COUNCIL ACTION

To: Council Members

Date: August 23, 2017

From: Michael Guerra, City Engineer

AGENDA ITEM: 14 th Street Guard Rail Bid Rejection

AGENDA DATE REQUESTED: August 28, 2017

ACTION REQUESTED: To reject all bids for the 14th Street Guardrail and Drainage Rehabilitation Project.

DESCRIPTION: The City received six (6) bids on the August 4th Bid opening for the 14th St. Guardrail and Ditch Rehabilitation Project but all came higher than the estimate and budget. With the lowest bid being 22% higher than estimate and \$165,000 over budgeted amount it is recommended to reject all the bids. The reason for the bid to be over budget and estimate was due to the cost of the rock for the Rip Rap. With a large quantity of rock this size there are limited amount of quarries that were capable of fulfilling the project requirements. Therefore due to their locations, the hauling distance and time caused the price to greater than the estimated cost. Therefore the City will revised the scope of the project and rebid the project.

FINANCIAL IMPACT: none if rejected

NEIGHBORHOOD CONCERNS: Erosion of the bank of the ditch and deteriorated guardrail.

IMPACT IF APPROVED: all bids will be rejected and not awarded

IMPACT IF DENIED: the lowest bid will be approved and awarded

ALTERNATIVES: none

RELATED TO EFFICIENCY STUDY: This is a project to repair failed infrastructure within the acceptable budget

RELATIONSHIP TO THE CONCEPTUAL PLANNING PROCESS: [check no more than 2 boxes. Copy this check mark √ and paste it to the left of the relevant theme.]

A Prosperous Community. To promote and sustain a balanced economy that supports expansion and retention of family-wage jobs.

A Safe Community. To protect community life and property by providing effective, principled police and fire services.

✓	A Strong Foundation. To improve and maintain existing infrastructure and leverage opportunities for new infrastructure.
	A High Quality of Life. To support or provide services that improve the quality of life for Pekin's residents.
	An Effective Government. To deliver effectively the services that Pekin's residents want, need, and are willing to support.

REQUIRED SIGNATURES

Department Directors and City Staff:

Date:

Date:

Finance Department (Certification of Availability of Funds):

Date:

Date:

City Manager: _____
 Date: _____

Date:

**REQUEST FOR COUNCIL ACTION****To: Council Members****Date: August 23, 2017****From: Paula Gensel, Admin Asst.****AGENDA ITEM:** Airport Commission Minutes dated June 27, 2017**AGENDA DATE REQUESTED:** August 28, 2017**REQUIRED SIGNATURES****Department Directors and City Staff:**

Date:

Finance Department (Certification of Availability of Funds):

Date:

City Manager:

Date:



Minutes

Pekin Municipal Airport Advisory Commission Meeting

Pekin Municipal Airport

13906 Airport Lane

Pekin, IL 61554

Tuesday June 27, 2017

3:00 PM

Open meeting:

3:00

Roll call:

Mike Reed: Chairperson (MR)

Steve Huey (SH)

Ric Woldow (RW)

Bill Hounshell (BH)

Todd Dugan: Airport Manager (TD)

Mark Rothert: City of Pekin (MaR)

Nick Keith

Kevin Murdock: Hanson (KM)

Brandon: Hanson

Ric Cunningham

Approval of Minutes from Last Meeting:

- SH motioned to approve minutes. 2nd by RW. Unanimous

Public Comments on Agenda Items

- None

Special Reports:

1) Follow up on active projects

- Taxiway Lighting



KM said that the contractor is waiting on delivery of material. Discussion on how JH Moore planned on routing aircraft during the remaining sections of the project. RW asked if the project is currently keeping up with the 35 day time table. Brandon from Hanson said that JH Moore will have to justify any extra days. Brandon also mentioned how the impending budget issues with the state could cause an issue on the completion of the project. MR brought up the potential runway closures. The commission recommended to add the new Pilot Controlled Lighting onto the current taxiway project.

- **Hangar Doors**

Commission recommended to alter the contract for the South door to add the 8 inch extension onto the door. North door just needs trim and windows along with markings for no parking. NK gave an update on why the 8 inch extension is needed. RW moves to recommend adding the extension. 2nd by SH. Unanimous in favor of the motion.

- **Bathroom Remodel**

Close to going to bid. Not much new to report. Questions were brought up about potentially going to 1 bathroom over two.

2) Priorities for current month

- **Landscaping**

Whole airport has been mowed. Trying to be prepared for when the airport manager's baby is born. Thanks to MR and Ric Cunningham for helping with the mowing.

- **Hangar 4**

Has been leased out. Tenant will begin paying July 1.

- **Hangar Leases**

TD went through all of the hangars to check and make sure the aircraft in each hangar matched what was on the lease. All of the leases were then updated.

3) Follow up on outstanding projects



a. Brandons Hangar

TD talked to Brandon, next time he is in town we will call Mike Guerra and get the inspection done.

4) Delinquent Accounts

TD is contacting any past due accounts to get payment. Commission brought up that there have been past issues with not catching people who are past due.

5) Monthly Budget Report

Normal budget report could not be ran as a consultant had messed with the system. Attached are the revenue report and expense vs budget.

6) Fuel Report

a. Attached

7) Upcoming events

a. Peoria Police?

With spraying season in full force, the commission decided that the timing was not right to do the extra police training.

8) Commission Strategic Planning Session

Met with MaR and talked about getting everyone together in preparation for the TIPS meeting. City Council brought up strategic planning and we want to fully utilize the commission. Meeting with the state is typically in October. Should do before this meeting.

9) Special Thanks

- Everyone who helped out with Wings and Wheels
- Murray Brian and Mike Cruce for their help with chemicals for spraying fencelines, lights, etc...

Additional items:

Ramp Fee. Issue was brought up that aircraft are tied up for long periods on the ramp. Discussion about what should be done. Commission recommended a \$30 per month tie down fee. This fee is for any aircraft that are on the ramp for more than 10 days.

Around the table:



RW asked if there was any updates on the SCCA incident. Airport Manager talked to Todd Thompson and construction has started on Murray's building.

Meeting adjourned: Motion to adjourn from SH. 4:50



REQUEST FOR COUNCIL ACTION

To: Council Members

Date: August 8, 2017

From: Michael Guerra, City Engineer

AGENDA ITEM: Hanson Engineering Amendment 2 to Front Street Design

AGENDA DATE REQUESTED: August 28, 2017

ACTION REQUESTED: To approve the amended engineering agreement with Hanson Professional Services in the amount not to exceed \$600,000.

DESCRIPTION: This request is to amend the engineering service agreement with Hanson Professional Services for the Front Street Development Studies. This amendment will allow Hanson to prepare final plans and contract documents for the improvements to Front Street. With the completion of the design the City will be able seek grant funding from State and Federal levels for these improvements. The City has already initiated the process for application of funding and plans to secure additional funding. This will be the second amendment to the original contract that was entered into in 2013.

Recently the industries located in this corridor have experienced growth with the possibility of additional capital improvements to facilities along Front and Distillery. While the improvements to these industries are beneficial to the City, they add additional stress to an already overstressed road. Improvements to Distillery, Front and Fayette along with their intersections with IL 29 are needed to allow for this continued growth and to repair roads that needs maintenance. The planned improvements for Front Street and Distillery Road include converting the entire section back to two way traffic, the addition of new curb and gutters with storm sewer to improve drainage along with widening the road to the maximum extent possible to allow the heavy truck traffic to this area.

FINANCIAL IMPACT: \$600,000 of MFT Funding

NEIGHBORHOOD CONCERNS: The design will help reduce the amount of trucks stacking in traffic as they wait to unload their corn along with safety concerns due to the narrow road.

IMPACT IF APPROVED: Hanson will begin working on the final design to begin seeking grant funding.

IMPACT IF DENIED: Design on Front Street will cease

ALTERNATIVES: none

RELATED TO EFFICIENCY STUDY: N/A

RELATIONSHIP TO THE CONCEPTUAL PLANNING PROCESS: [check no more than 2 boxes. Copy this check mark √ and paste it to the left of the relevant theme.]

	A Prosperous Community. To promote and sustain a balanced economy that supports expansion and retention of family-wage jobs.
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REQUIRED SIGNATURES

Department Directors and City Staff:

Date: _____

Finance Department (Certification of Availability of Funds):

Date: _____

City Manager:

Date: _____

Municipality City of Pekin	L O C A L A G E N C Y	Preliminary Engineering Services Agreement For Motor Fuel Tax Funds Amendment No. 2	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 _____ day of _____, 2017 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 Front Street Project Development Studies

Route FAP 693 Length 3.20 Mi. 16,920 FT (Structure No. _____)

Termini Distillery Street/IL 29 intersection to Fayette Street/IL 29 intersection

Description:

Final Design for Front and Distillery Streets will include new curb & gutter, storm sewers, pavement widening and reconstruction.

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, be in accordance with current standard specifications and policies of the DEPARTMENT. It is being understood that 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:

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 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 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" 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 the 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 the 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. 4 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

(Municipality/Township/County)

of the

ATTEST:

State of Illinois, acting by and through its

By _____

Clerk

(Seal)

By _____

Title _____

Executed by the ENGINEER:

Hanson Professional Services Inc.

7625 N. University Street, Suite 200

Peoria, IL 61614

ATTEST:

By Matthew D.

Title Associate

By Lucinda A. Fox

Title Regional Vice President

Approved

Date

Department of Transportation

Regional Engineer

Attachment: Hanson Agreement Front Street Amd 2 (1196 : Hanson Engineering Amendment 2 to Front Street Design)



General Conditions

Hanson Agreement: C12L0052

Agreement Date: _____

Project Name: Front Street

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.

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. Within the limits and conditions of such insurance, HANSON agrees to indemnify and save CLIENT harmless from any loss, damage or liability arising directly from any negligent act or omission by HANSON. 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. 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.

8. 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.

9. 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 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
LAL

~~HANSON's total net fee for services rendered on the Project, whichever is greater.~~ This limitation pertains to HANSON and its employees, 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.

10. 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.

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. 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.

17. 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.

18. 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.

19. 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.

20. 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.

21. 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.

22. 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.

23. 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.

24. 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.

25. 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.

26. Governing Law: This Agreement shall be governed by and interpreted pursuant to the laws of the State of Illinois.

**SUPPLEMENT #2
ATTACHMENT A
SCOPE OF SERVICES
RECONSTRUCTION OF FRONT STREET AND DISTILLERY Road**

Hanson Professional Services Inc. shall prepare contract documents for roadway improvements to Front Street and Distillery Road between the intersection of Distillery Road/IL 29 and the intersection of Fayette Street/Main Street. This work also includes Southbound IL 29 (2nd Street) from the 2nd Street/3rd Avenue split south of Washington Street to Broadway Street, in the City of Pekin (LA). These streets provide access to existing and potentially expanding agribusiness operations along with the City of Pekin sewage treatment facility. As the demand to ship and process grain grows, truck traffic in this area increases.

Planned improvements for Front Street and Distillery Road include converting the entire roadway to two-way operations, new concrete pavement with curb and gutter, a new closed drainage system outletting to the Illinois River, reconstructed railroad crossings with new flashing lights, intersection and traffic signal improvements at IL 29/Distillery Road, and reconstructed entrances. Southbound IL 29 (2nd Street) will generally be narrowed from 3 lanes to 2 and include new curb and gutter, reconstructed and PROWAG compliant sidewalk and curb ramps, pavement patching, and HMA overlay.

The documents will be prepared in English units using Microstation and in accordance with IDOT's Bureau of Design and Environment Manual for work occurring on IL 29 and IDOT's Local Roads and Streets Manual for all other work. Letting types, dates, and contract packaging will be determined at a later date as funding is secured. The project may be completed as a single contract or could be split into some combination of the following 4 smaller phases.

1. Distillery Road & Front Street from IL 29 to approximately Station 32+00
2. Front Street from approximately Station 32+00 to 57+40
3. Front Street and Fayette Street from approximately 57+40 to 80+59
4. IL 29 from approximately 201+45 to 212+00

The Scope of Services to be provided is expected to include some or all of the following:

I. Environmental Services

A. Section 404/Section 10 Permit Application

- A. Prepare a Section 404/Section 10 permit application for authorization of a storm water outlet discharge(s) to the Illinois River under Nationwide Permit (NWP) No. 7 (Outfall Structures and Associated Intake Structures), NWP No. 12 (Utility Line Activities), or NWP No. 14 (Linear Transportation Projects). This scope assumes that an individual Section 404/10 permit and individual Section 401 Water Quality Certification will not be required. This scope also assumes that there will be no impacts to wetlands, and that mitigation will not be required for any impacts to waters of the U.S.

B. Preliminary Site Investigation (PSI) – Additional Soil Borings

- A. To investigate the nature and extent of possible soil contamination, a Preliminary Site Investigation (PSI) of any Recognized Environmental Condition (REC) sites identified during the October 2016 Preliminary Environmental Sites Assessment (PESA) will be completed. Hanson will arrange to drill soil borings and collect soil samples for laboratory analyses of potential contaminants. The results of the PSI will be documented in a report, and include recommendations and a remediation scope of work. A PSI is included in the existing agreement; however, additional soil borings are anticipated based on the results of the PESA.

C. ESR Addendum

- A. Prepare an Environmental Survey Request (ESR) addendum for proposed storm water outlet work outside the original ESR limits.

D. PESA Validation

- A. The October 2016 PESA will be validated per IDOT requirements by conducting a site visit to observe any land use changes or recent potential contamination and ordering and reviewing an environmental records database for recent incidences. The results of the PESA validation will be documented in a memorandum.

II. Final Design and Plan Preparation

A. Survey

- A. Obtain and review available mapping, construction plans and surveys from City:
 - i. Existing construction plans.
 - ii. GIS topographic and parcel data and orthographic aerial photography. This data will be used for determination of project alternatives.
- B. Utilize existing horizontal and vertical survey control throughout the corridor limits. Horizontal control will be based on Illinois State Plane Coordinate System, West Zone, North American Datum of 1983 (NAD83), and vertical control will be based on the North American Vertical Datum of 1988 (NAVD88). Permanent monuments will be set along the project corridor.
- C. Research public records for the parcels adjacent to the project corridor. This shall include research of existing plats, relevant deeds, property owner names, P.I.N. numbers and addresses.
- D. Conduct additional boundary surveys to determine existing right-of-way and property lines within the corridor limits for those parcels impacted by the project.
 - i. Main Street and Fayette Street
 - ii. Franklin Street and 2nd Street
 - iii. Washington Street and 2nd Street
 - iv. Along the two (2) Storm Sewer outfalls to the river
 - v. Southwest quadrant of Distillery Road and 2nd Street Intersection

- E. Provide pickup topographic survey at the following locations
 - i. 2nd Street – Up to 600' North and 350' South of Distillery Road intersection
 - ii. Along the two (2) Storm Sewer outfalls to the river
 - iii. Along Front Street from 58+50 to 64+00 RT
 - iv. Along Front Street from 78+50 to 79+00 LT to plan for multi-use path
 - v. Scale location at approximately 41+00 LT
 - vi. New entrance(s) to Pacific Ethanol
 - vii. Drainage swales on the south side of Distillery Road
 - viii. Miscellaneous Utility Structure Inventories
- F. Locate existing storm and sanitary structures within the corridor limits. Sewer invert elevations will be determined to the extent possible by manhole lid removal and direct measurement. If visible from the opening, the survey crew will measure to the structure invert and identify the size (diameter), direction, material and invert (if not at structure invert) of the pipes which connect to the structure. The survey crew will not enter any structures.
- G. Update base map of the existing topography in CAD format. This file shall include all survey points, digital terrain model (DTM), breaklines, planimetric mapping and contours.
- H. Prepare right-of-way and temporary easement plats and legal descriptions for parcels required to complete the proposed improvements. Obtain title commitments for all right of way and easement parcels. Twenty-four (24) parcels are included in this scope of services.
 - i. Section 1 - 5 Properties (All TE + 2 w/ PROW)
 - ii. Section 2 - 1 Property with TE
 - iii. Section 3 - 6 Properties (4 w/ TE + 5 w/ PROW)
 - iv. Section 4 - 12 Properties with TE

B. Roadway Design

The following design may be included based upon the agreed to final scope of roadway improvements for the corridor.

- A. Conduct field visit to verify existing conditions are still correct and work with proposed improvements. Identify any items requiring additional examination during final design.
- B. Coordinate and finalize alignments and profiles based on how project may be split into phases. Refine profile for any concerns identified during field visit.
- C. Finalize pavement calculation with updated construction year and submit to IDOT as appropriate.
- D. Finalize proposed typical sections for each phase.
- E. Revise proposed model to address alignment, profile, pavement, and typical section changes along with project phasing. Finalize project grading with additional pick up survey where currently missing.
- F. Develop proposed cross sections (50' intervals)

- G. Coordinate submittal of the concept plans to the utility companies for their review.
 - i. Review responses and comments from utilities which are received after the concept plan submittal to determine whether utilities need to be moved or project modifications can be suggested which will resolve the conflict.
 - ii. For locations where utilities will need to be moved, coordinate with the utility companies and the City to determine the approximate limits of relocation and approximate cost.
- H. Develop plan and profile sheets.
- I. Finalize ROW and Easement needs.
- J. Erosion control design.
- K. Prepare warning time study for crossing on Distillery Road near 2nd Street for approval by ICC.

C. Roadway Plans

The following sheet types may be included based upon the agreed to final scope of roadway improvements for the corridor.

- A. Title Sheet (w/ Sheet Index)
- B. General Notes, Standard List, Legend/Abbrev.
- C. Summary of Quantities Sheets
- D. Schedule of Quantities
- E. Existing/Proposed Typical Sections
- F. H/V Control Schematic - control points, any required curve data, Control ties, TBM Locations
- G. Right of Way Plans
- H. Construction Sequencing and Detour Plans
- I. Removal/Relocation Plans
- J. Plan / Profile Sheets (1" = 20' H & 1" = 5' V)
- K. Pavement Marking / Signing Sheets
- L. Erosion Control Plans
- M. Drainage Plans
- N. Special Waste Plans
- O. Intersection Details
- P. Sidewalk Ramp Grading Details
- Q. Traffic Signal Plans and Details (IL 29 and Distillery Road Intersection) interconnected with railroad signal
- R. Miscellaneous Details
- S. Railroad Crossing Details
- T. Cross Section Sheets (with cross-sections every 50' (min.) and at all driveways)
- U. Details (CITY Standards, special details, misc., etc.)

D. Prepare Prefinal Plans, Specifications, and Estimates

- A. Calculate and schedule quantities
- B. Preparation of Opinion of Probable Construction Cost and Estimate of Time

- C. Provide special provisions covering construction work
- D. Prepare special provision for every pay item not being constructed per IDOT Standard Specifications.
- E. Prepare Storm Water Pollution Prevention Plan (SWPPP)
- F. State Standard Drawings (compile)
- G. Bidding Documents on MFT forms (if needed)
- H. Identify and incorporate IDOT BDE and Local Roads Special Provisions
- I. Plot and Submit Preliminary PS&E

E. Final Bid Documents

- A. Revise Prefinal Plans, Specifications
- B. Prepare response to comments
- C. Finalize quantities and cost/time estimates.
- D. Compile and submit information for local letting
- E. Attend prebid meeting

F. Project Administration

- A. Administer project kick-off meeting with client
- B. Internal kick-off meeting
- C. Staffing and Management Plan
- D. Financial and schedule controls
- E. Coordination meetings with CITY (3)
- F. IDOT Coordination Meetings (2)
- G. Prepare for and attend Bi-Monthly coordination meeting (1)
- H. Monthly Status Reports
- I. Coordinate with property owners
- J. Coordinate with railroad
- K. Coordination with ICC
- L. Prepare and submit Project Development Report (PDR) addendum if necessary for storm sewer outlet piping to be determined during design.
- M. Prepare and Review meeting minutes

G. 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:

- A. Every item shown in the construction plans either has a pay item or is specifically discussed in a pay item special provision.
- B. Items to be constructed have been reviewed for constructability and directly correspond to a standard pay item or a special provision.
- C. Existing utilities have been checked against proposed facilities for horizontal and vertical conflict (based on information received from the utility companies) during construction.
- D. Address CITY comments and concerns.

H. Project Deliverables

The following are the number of copies of project documents to be submitted for each progress review:

- A. 90% Pre-final Documents
3 Sets and Special Provisions and one pdf set
- B. Final Construction Documents
5 Sets and Special Provisions and one pdf set

I. Project Progress Reviews

Project progress review meetings will be held at the following milestones:

- A. Preliminary Geometric Design
- B. 90% Pre-final Construction Documents

- J. Furnish the originals and a reasonable number of prints of all necessary plans and documents, as determined by the CITY, including one copy of all meeting minutes.
- K. The CITY will provide or cause to be furnished the following:
 - A. Existing Roadway and Retaining Wall Plans
 - B. Existing Sewer Plans
 - C. Existing Sanitary and Storm sewer conditions and locations of any desired repairs to occur with this project.
 - D. Updated property owner information if available.
 - E. Proposed Roadway Plans for any adjacent improvements
- L. The following items are not included in the scope of work but could be provided as an addendum to the contract:
 - A. Construction observation activities or answering questions during construction.
 - B. Sewer televising
 - C. Section 106 statement or mitigation for cultural resource impacts
 - D. Section 4(f) evaluation
 - E. Preparation of any NEPA documentation including Environmental Assessment (EA) or Environmental Impact Statement (EIS)
 - F. Mitigation planning and design for impacts to threatened and endangered species, wetlands/waters, or historic/archaeological resources.
 - G. Utility relocation plans
 - H. Preparation of and coordination for an individual Section 404 permit and individual Section 401 Water Quality Certification.
 - I. 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.
 - J. Sanitary sewer plans and details.
 - K. Necessary permitting and/or mitigation for floodplain impacts.
 - L. Temporary and permanent roadway lighting analysis and design, existing lighting will be maintained where present.

- M. Traffic volumes and analysis at any intersections that are not currently signalized.
- N. Property acquisition services.
- O. Storm water retention/detention.
- P. Retaining wall evaluation and design.

SUPPLEMENT # 2 ATTACHMENT B

Payment Front Street Phase II

The LA agrees to pay the ENGINEER as compensation for all services rendered in accordance with this AMENDMENT, on the basis hourly rates using the multiplier of 3.0, with a maximum compensation not to exceed \$600,000. Total compensation for the entire project shall not exceed \$995,000.

Tasks Front Street Phase I	Fee
Environmental Studies	\$32,207
Survey	\$87,764
Roadway Design	\$76,796
Prefinal Plan Preparation	\$249,154
Prefinal Plan Submittal	\$48,838
Final Plan Preparation	\$72,208
Project Administration	\$88,033
Total	\$655,000
Savings in Existing Project	-\$55,000
Increase this Amendment	\$600,000



REQUEST FOR COUNCIL ACTION

To: Council Members

Date: August 9, 2017

From: Michael Guerra, City Engineer

AGENDA ITEM: MFT Resolution No. 63-17/18 for Front Street Design Engineering

AGENDA DATE REQUESTED: August 28, 2017

ACTION REQUESTED: Approve Resolution for the expenditure of MFT Funds for the Engineering Agreement with Hanson for the Front Street Engineering in the amount of \$600,000.00.

DESCRIPTION: This is the resolution for the expending of MFT Funds for Hanson's engineering services for Front Street. This resolution will allow the use of MFT funding to cover the cost of the design engineering.

FINANCIAL IMPACT: \$600,000 of MFT Funding

NEIGHBORHOOD CONCERNS: none

IMPACT IF APPROVED: MFT Funding will be used for the design engineering

IMPACT IF DENIED: MFT Funding will not be used for design engineering

ALTERNATIVES: utilize general funding for the design or borrow against future TIF funding

RELATED TO EFFICIENCY STUDY:

RELATIONSHIP TO THE CONCEPTUAL PLANNING PROCESS: [check no more than 2 boxes. Copy this check mark √ and paste it to the left of the relevant theme.]

	A Prosperous Community. To promote and sustain a balanced economy that supports expansion and retention of family-wage jobs.
	A Safe Community. To protect community life and property by providing effective, principled police and fire services.
√	A Strong Foundation. To improve and maintain existing infrastructure and leverage opportunities for new infrastructure.
	A High Quality of Life. To support or provide services that improve the quality of

	life for Pekin's residents.
	An Effective Government. To deliver effectively the services that Pekin's residents want, need, and are willing to support.
REQUIRED SIGNATURES	
Department Directors and City Staff:	
Date:	
Finance Department (Certification of Availability of Funds):	
Date:	
City Manager:	
Date:	

Motor Fuel Tax Resolution No. 63-17/18 for Front Street Engineering

Resolution No.

**PASSED BY THE PEKIN CITY COUNCIL, STATE OF ILLINOIS AND APPROVED
THIS 28th DAY OF AUGUST, 2017**

MAYOR

ATTEST:

CITY CLERK



Resolution for Improvement Under the Illinois Highway Code

9.2.a



Resolution Number	Resolution Type	Section Number
	Supplemental	14-00188-00-EG

BE IT RESOLVED, by the Council of the City
Governing Body Type Local Public Agency Type
of Pekin Illinois that the following described street(s)/road(s)/structure be improved und
Name of Local Public Agency
the Illinois Highway Code. Work shall be done by Contract
Contract or Day Labor

For Roadway/Street improvements:

	Name of Street(s)/Road(s)	Length (miles)	Route	From	To
+	Front Street			Distillery/IL 29 Int	Fayette St./IL 29 Int

For Structures:

	Name of Street(s)/Road(s)	Existing Structure No.	Route	Location	Feature Crossed
+					

BE IT FURTHER RESOLVED,

1. That the proposed improvement shall consist of

Planned improvements for Front St. and Distillery Road include converting the entire roadway to two-way operations, new concrete pavement with curb and gutter, a new closed drainage system outletting to IL River, reconstructed railroad crossing with new reconstructed entrances.

2. That there is hereby appropriated the sum of Six hundred thousand

Dollars (\$600,000.00) for the improvement of
said section from the Local Public Agency's allotment of Motor Fuel Tax funds.

BE IT FURTHER RESOLVED, that the Clerk is hereby directed to transmit four (4) certified originals of this resolution to the district office of the Department of Transportation.

I, Sue McMillan City Clerk in and for said City
Name of Clerk Local Public Agency Type Local Public Agency Type
of Pekin in the State aforesaid, and keeper of the records and files thereof, as provided
Name of Local Public Agency
statute, do hereby certify the foregoing to be a true, perfect and complete original of a resolution adopted by

Council of Pekin at a meeting held on August 14, 2017
Governing Body Type Name of Local Public Agency Date

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this Day day of August, 2017
Month, Year

(SEAL)

Clerk Signature

--

Approved

Regional Engineer
Department of Transportation

--

Date

--



REQUEST FOR COUNCIL ACTION

To: Council Members

Date: August 22, 2017

From: Sarah Newcomb, Human Resources Dir

AGENDA ITEM: Resolution Authorizing Group Health Insurance Contracts

AGENDA DATE REQUESTED: August 28, 2017

ACTION REQUESTED: Approve Resolution authorizing the City Manager to negotiate and execute on behalf of the City of Pekin contracts for group health insurance including life, dental, vision and short term disability insurance for full time eligible employees and retirees of the City of Pekin.

DESCRIPTION: The City of Pekin has entered negotiations with the Teamsters and was provided group health insurance rates through their insurance product Central States Health and Welfare Fund. As a matter of due diligence, the City also requested pricing for self-insured products. The City expects to save between \$250,000 and \$931,000 dependent on the funding to expected or funding to maximum through the use of a local third party administrator and self-funding.

FINANCIAL IMPACT: Potential savings of \$250,000 to \$931,000 over a one year period to the Insurance Fund beginning October 1, 2017

NEIGHBORHOOD CONCERNS:

IMPACT IF APPROVED: The City Manager will continue forward with execution of plans to implement different insurance carrier with other bargaining units as well as the Teamsters through their official contract bargaining sessions.

IMPACT IF DENIED: The City will remain with Central States at an increase of 11 1/2% premiums beginning October 1, 2017 through September 2018 with another increase of 13% for the premiums beginning October 1, 2018 through September 2019.

ALTERNATIVES: Move non-Teamster employees to a self-insured plan and keep Teamsters' employees on Central States Health and Welfare Fund plan.

RELATED TO EFFICIENCY STUDY: One of the plans the City is reviewing has the potential to be used as a joint product for the City, Park District and other governmental and local units within the City of Pekin. (page 44)

RELATIONSHIP TO THE CONCEPTUAL PLANNING PROCESS: [check no more than 2 boxes. Copy this check mark √ and paste it to the left of the relevant

theme.]	
	A Prosperous Community. To promote and sustain a balanced economy that supports expansion and retention of family-wage jobs.
	A Safe Community. To protect community life and property by providing effective, principled police and fire services.
	A Strong Foundation. To improve and maintain existing infrastructure and leverage opportunities for new infrastructure.
	A High Quality of Life. To support or provide services that improve the quality of life for Pekin’s residents.
✓	An Effective Government. To deliver effectively the services that Pekin’s residents want, need, and are willing to support.
REQUIRED SIGNATURES	
Department Directors and City Staff:	
Date:	
Finance Department (Certification of Availability of Funds):	
Date:	
City Manager:	
Date:	

Resolution No. 65-17/18**Resolution No.**

<Insert Legislation Here>

**PASSED BY THE PEKIN CITY COUNCIL, STATE OF ILLINOIS AND APPROVED
THIS 28th DAY OF AUGUST, 2017**

MAYOR

ATTEST:

CITY CLERK

RESOLUTION NO. 65-17/18

A RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE AND PURCHASE CONTRACTS FOR GROUP HEALTH INSURANCE PRODUCTS

WHEREAS, The City of Pekin has entered into contract negotiations with the Teamsters; and

WHEREAS the Teamsters' provided Central States Health and Welfare Fund insurance rates with an increase of eleven percent for premiums October 1, 2017- September 30, 2018 and a 13% rate increase for premiums October 1, 2018 through September 30, 2019 and

WHEREAS the City of Pekin further sought rates for group health insurance, vision, dental, short term disability and life insurance through a self-funded plan with benefits matching those of the Central States Health and Welfare Fund for the purposes of comparison for contract negotiations; and

WHEREAS the City of Pekin received preliminary numbers for self funded plans with potential savings of \$250,000 to \$931,000 per plan year; and

WHEREAS the City of Pekin continues negotiations with the Teamsters and it may be in the best interest of the City of Pekin financially to provide health insurance to its full-time employees and retirees through a self funded chasis

NOW THEREFORE BE IT RESOLVED that the City Manager is authorized to negotiate execute contracts for group health insurance products beginning plan year October 1, 2017.

BE IT FURTHER RESOLVED that this Resolution shall be in full force and effect upon its passage and approval.

PASSED AND APPROVED at the regular meeting of the City Council of the City of Pekin, Tazewell County, Illinois, this 28th day of August 2017; and upon roll call was as follows:

AYES:

NAYS:

ABSENT:

APPROVED this 28th day of August 2017.

Attachment: Insurance shopping resolution 08-28-2017 (1203 : Resolution Authorizing Group Health Insurance Contracts)

Mayor

City Clerk



REQUEST FOR COUNCIL ACTION

To: Council Members

Date: August 22, 2017

From: Michael Guerra, City Engineer

AGENDA ITEM: Task Order 1,2,3 for Farnsworth Agreement

AGENDA DATE REQUESTED: August 28, 2017

ACTION REQUESTED: To approve Task Order 001, 002, and 003 for the Master Service Agreement with Farnsworth Group for General Wastewater Engineering for a total lump sum of \$85,500.00

DESCRIPTION: These task orders are accordance with the Master Service Agreement with Farnsworth for general wastewater engineering that was approved by the council on June 26, 2017. The description of the task orders are as follows:

Task Order 001:

This task order is for general maintenance and support for Supervisory Control and Data Acquisition (SCADA). SCADA software monitors the equipment of the plant and provides the automation of the equipment. Farnsworth was the one that programed the software that the treatment plant utilizes so it would be beneficial to have their services for support. This task order will allow the treatment plant supervisor the ability to authorize Farnsworth to make minor modification to the software for operation improvements, troubleshoot problems and provide overall support for the software. This task order is for five (5) years and not to exceed \$50,000 over the five years.

Task Order 002:

This task order is to replace and improve the controls at the Hickory Hills pump station and the remote telemetry integration to the City's fiber network. As part of the franchise agreement with ITV3, a dedicated fiber lift station was established for the City due to the narrow banding of radio signals in 2013 that affected the communication with lift stations and the treatment plant. The City recently was able to provide a network connection between the wastewater treatment plant and the fiber network allowing the conversion of the lift stations communication to SCADA with the fiber network. This task order will allow Farnsworth to improve and upgrade the Hickory Hills pump station electronics and controls to be able to connect to that fiber network. This project will also serve as the pilot location to generate standard specifications and procedure for the remaining 8 lift stations for a future project. This task order is estimated at \$20,500 with Farnsworth with an additional cost of \$11,800 of

City cost for the equipment and installation.

Task Order 003:

This task order is for Farnsworth to provide assistance and advise the IT department with the replacement of computer servers at the wastewater treatment plant. The IT department is planning to replace the servers due to age and serviceability. In order to replace these servers that have several software programs will have to be upgraded and reinstalled. With approval of this task order, Farnsworth will provide the technical expertise to reinstall, start up and test the software on the new servers to ensure the SCADA system will function properly. This order will allow for an up to \$10,000 in labor cost and an additional \$5,000 for software upgrades for a total of \$15,000.

FINANCIAL IMPACT: \$85,500 of Wastewater Funding

NEIGHBORHOOD CONCERNS: To provide monitoring of the lift stations and the treatment plant to ensure adequate operation of the processing of wastewater

IMPACT IF APPROVED: These projects will proceed

IMPACT IF DENIED: These project will not proceed

ALTERNATIVES: none

RELATED TO EFFICIENCY STUDY: By utilizing automation for the wastewater treatment reduces the amount time needed by staff to monitor the process

RELATIONSHIP TO THE CONCEPTUAL PLANNING PROCESS: [check no more than 2 boxes. Copy this check mark ✓ and paste it to the left of the relevant theme.]

	A Prosperous Community. To promote and sustain a balanced economy that supports expansion and retention of family-wage jobs.
	A Safe Community. To protect community life and property by providing effective, principled police and fire services.
✓	A Strong Foundation. To improve and maintain existing infrastructure and leverage opportunities for new infrastructure.
	A High Quality of Life. To support or provide services that improve the quality of life for Pekin's residents.
	An Effective Government. To deliver effectively the services that Pekin's residents want, need, and are willing to support.

REQUIRED SIGNATURES

Department Directors and City Staff:

Date:

Finance Department (Certification of Availability of Funds):

Date:

City Manager:

Date:



2709 McGraw Drive
Bloomington, Illinois 61704
p 309.663.8435 f 309.663.1571

www.f-w.com

August 17, 2017

City of Pekin
111 South Capitol Street, Room 242
Pekin, IL 61554
Attn: Michael Guerra, P.E., City Engineer

Subject: Professional Services Task Order No. 1

Reference: City of Pekin, Illinois
Agreement for Professional Services
Dated July 5, 2017

Dear Mike,

With reference to your request and the subject General Services Agreement we are submitting this Task Order No. 1 for your review/approval.

Task Order No. 1

1. Owner (City of Pekin) requested General Maintenance for SCADA Services (On-site Trouble Shooting and Repair; Programming; Telemetry; HMI; Software Implementation; Hardware Recommendations and Procurement Assistance; Emergency Services; Manufacturer Coordination and Trouble Shooting) at the Plant #1 and Plant #2 Wastewater Treatment and CSO Facilities; Existing CSO Outfall Locations and State St. Pump Station; and City Distributed Pump Stations.
2. No work shall proceed without direction and definition of the Scope of Services by the Owner.
3. Owner Contact for Services; Mike Guerra, City Engineer or Bryan Emmons, Wastewater Superintendent.
4. The term of Task Order No.1 shall be 5 (five) years from Issuance. City managed and allocated budget for Task Order No. 1 shall be \$50,000.00 over the five year term.

Farnsworth Group, Inc.
FARNSWORTH GROUP

Signature

Patrik J. Sheridan, P.E.
Typed Name

Senior Engineering Manager
Title

Date

8-17-2017

City of Pekin, IL
CLIENT

Signature

Typed Name

Title

Date

Attachment: Farnsworth Task Order 1 (1205 : Task Order 1,2,3 for Farnsworth Agreement)



2709 McGraw Drive
Bloomington, Illinois 61704
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www.f-w.com

August 17, 2017

City of Pekin
111 South Capitol Street, Room 242
Pekin, IL 61554
Attn: Michael Guerra, P.E., City Engineer

Subject: Professional Services Task Order No. 2

Reference: City of Pekin, Illinois
Agreement for Professional Services
Dated July 5, 2017

Dear Mike,

With reference to your request and the subject General Services Agreement we are submitting this Task Order No. 2 for your review/approval.

Task Order No. 2

1. Field Investigation, Design, Startup, Programming and SCADA Implementation to replace and upgrade the SCADA Control Panel at the Hickory Hills Pump Station and Remote Telemetry Integration to the City of Pekin and WWTP via the City Franchise Agreement ITV Fiber Network.
2. Provide:
 - Control Panel Layout Design
 - CAD Drafting
 - I/O List Development
 - Sequence of Operation
 - PLC Programming and Testing
 - HMI Developing/Testing for SCADA
 - HMI Developing/Testing for Hickory Hills Panel
 - Alarm Notification Software Programming
 - Construction Installation Guidance
 - I/O Checkout
 - Network Testing and Check Out
 - As Built Drawings
 - O&M pdf
3. Owner Contact for Services; Mike Guerra, City Engineer.

Attachment: Farnsworth Task Order 2 (1205 : Task Order 1,2,3 for Farnsworth Agreement)

4. Task Order No. 2 Labor Budget:

A. Engineering Design Services	\$5,000.00
B. Integration and Programming	\$10,000.00
C. Construction Service, Startup, As-Built, O&M	<u>\$5,500.00</u>
Total Estimated Task Order No. 2	\$20,500.00

Other ancillary estimated costs (by others – Electrical Contractor) to be determined by City Proposal Solicitation:

1. Hardware for new panel backplate installed in existing panel enclosure (City Direct Purchase or Electrical Contractor)	\$5,000.00
2. Field Wiring/Installation	\$5,000.00
3. Bonding & Insurance (3%)	\$300.00
4. Contingency (15%)	<u>\$1,500.00</u>
Total Other Ancillary (by City of Pekin)	\$11,800.00

Farnsworth Group, Inc.
FARNSWORTH GROUP

Signature

Patrik J. Sheridan, P.E.
Typed Name

Senior Engineering Manager
Title

Date

8-17-2017

City of Pekin, IL
CLIENT

Signature

Typed Name

Title

Date

Attachment: Farnsworth Task Order 2 (1205 : Task Order 1,2,3 for Farnsworth Agreement)



2709 McGraw Drive
Bloomington, Illinois 61704
p 309.663.8435 f 309.663.1571

www.f-w.com

August 17, 2017

City of Pekin
111 South Capitol Street, Room 242
Pekin, IL 61554
Attn: Michael Guerra, P.E., City Engineer

Subject: Professional Services Task Order No. 3

Reference: City of Pekin, Illinois
Agreement for Professional Services
Dated July 5, 2017

Dear Mike,

With reference to your request and the subject General Services Agreement we are submitting this Task Order No. 3 for your review/approval.

Task Order No. 3

1. Assist and advise City in Selection/Procurement of needed Software/Hardware Upgrades (for City Direct Purchase).
2. Assist City in Setup, Startup, Testing of Components or on as needed, as directed basis.
3. Owner Contact for Services; Mike Guerra, City Engineer.
4. Owner Directed Labor Allowance - \$10,000.00
 - A. Provide Installation, Startup, and Testing of FactoryTalk View HMI, RSLogix 500 and RSLogix 5000 programming software, and WIN911 alarm notification software to replicate existing plant functionality. General Operating System installation, setup, and domain configuration to be performed by City IT on new equipment provided by City IT.
5. Owner Software Budget - \$5,000.00
 - A. To upgrade FTView, RSLogix 500, RSLogix 5000 and WIN911 packages without adding additional functionality (such as mobile/texting capabilities).

Attachment: Farnsworth Task Order 3 (1205 : Task Order 1,2,3 for Farnsworth Agreement)

Farnsworth Group, Inc.

FARNSWORTH GROUP

Signature

Patrik J. Sheridan, P.E.

Typed Name

Senior Engineering Manager

Title

Date

8-17-2017

City of Pekin, IL

CLIENT

Signature

Typed Name

Title

Date



REQUEST FOR COUNCIL ACTION

To: Council Members

Date: June 22, 2017

From: David Hess, IT

AGENDA ITEM: Council Chamber Audio/Video Upgrades

AGENDA DATE REQUESTED: August 28, 2017

ACTION REQUESTED: Seek approval to expend budgeted funds on upgrades for Council Chamber Audio & Video Equipment as Phase 2 of Broadcast Upgrades

DESCRIPTION: Audio/Visual Upgrades to Council Chamber Facilities

FINANCIAL IMPACT: \$30,000.00

NEIGHBORHOOD CONCERNS: N/A

IMPACT IF APPROVED: Improved Audio and Picture Quality

IMPACT IF DENIED: Continued poor quality audio on streaming video and stream replay

ALTERNATIVES: Stop all but live broadcast or opt for more expensive alternatives provided to prior Council.

RELATED TO EFFICIENCY STUDY: N/A

RELATIONSHIP TO THE CONCEPTUAL PLANNING PROCESS: [check no more than 2 boxes. Copy this check mark √ and paste it to the left of the relevant theme.]

	A Prosperous Community. To promote and sustain a balanced economy that supports expansion and retention of family-wage jobs.
	A Safe Community. To protect community life and property by providing effective, principled police and fire services.
	A Strong Foundation. To improve and maintain existing infrastructure and leverage opportunities for new infrastructure.
	A High Quality of Life. To support or provide services that improve the quality of life for Pekin's residents.
√	An Effective Government. To deliver effectively the services that Pekin's residents want, need, and are willing to support.

REQUIRED SIGNATURES**Department Directors and City Staff:**

Date:

Finance Department (Certification of Availability of Funds):

Date:

City Manager:

Date:

Council Chambers
A/V Upgrades

	A	B	C	D	E	F	G	H
1								
2								
3	Item	Price	Quantity	Total	B&H Part #			
4	Shure CVL Centraverve Clip-On Lavalier Condenser Microphone	\$39.00	7	\$273.00	B&H #SHCVLBCTQG	Audio		
5	Shure MXWANI8 8-Channel Audio Network Interface	\$1,248.00	2	\$2,496.00	B&H #SHMXWANI8			
6	Shure MXW1 Hybrid Bodypack Transmitter with Microphone (Z10	\$558.00	7	\$3,906.00	B&H # SHMXW1			
7	Shure MX410 10-Inch Shock-Mounted Gooseneck Cardioid with Surface Mount Preamplifier	\$288.00	5	\$1,440.00	B&H # SHMX410C			
8	Shure MXWAPT8 8-Channel Access Point Transceiver	\$3,408.00	2	\$6,816.00	B&H # SHMXWAPT8Z10			
9	Shure MXWNCS8 8-Port Networked Charging Station	\$1,776.00	3	\$5,328.00	B&H # SHMXWNCS8			
10	Shure SCM820-DAN Digital IntelliMix Automatic Mixer	\$2,099.00	2	\$4,198.00	B&H # SHSCM820DAN	Video		
11	Shure MXW8 Gooseneck Base Transmitter	\$580.00	5	\$2,900.00	B&H # SHMXW8Z10			
12	Panasonic Lumix G X Vario PZ 14-42mm f/3.5-5.6 Power O.I.S. Lens (Silver)	399.95	3	\$1,199.85	B&H # PA144235XS			
13	Blackmagic Design Micro Studio Camera 4K	1295	3	\$3,885.00	B&H # BLMCRSTCAM	Broadcast		
14	Blackmagic Design Smartview Duo Rackmountable Dual 8" LCD Monitors	\$470.25	1	\$470.25	B&H # BLSVD			
15	Blackmagic Design Teranex Mini Rack Shelf 3 Teranex Mini Fit Rack Mount	\$137.75	1	\$80.75	B&H # BLTERMRS			
16	Blackmagic Design ATEM Production Studio 4K	\$1,610.25	1	\$1,610.25	B&H # BLATEMPS4K			
17	Blackmagic Design Web Presenter	\$470.25	1	\$470.25	B&H # BLWEBPTR	Cables/Mounts		
18	Canare Male to Right Angle Male HD-SDI Video Cable (Black, 2')	\$24.50	6	\$147.00	B&H # CA6HSVBRA2			
19	Canare Male to Right Angle Male HD-SDI Video Cable (Red, 50')	\$79.95	3	\$239.85	B&H # CAHSVBRA50RD			
20	Canare Male to Right Angle Male HD-SDI Video Cable (Black, 50')	\$79.95	3	\$239.85	B&H # CA6HSVBRA50			
21	Pelco CM4450 Light-Duty Ceiling J-Mount with Swivel Head	\$101.95	3	\$305.85	B&H # PECM4450			
22								
23		Total		\$36,005.90				

Attachment: Council Chamber Upgrades Material (1155 : Council Chamber Audio/Video Upgrades)

Microflex® Wireless

ENTERPRISE SCALE MICROPHONE SOLUTIONS

FOR MANAGED AV ENVIRONMENTS



Vivid, lifelike audio for conferencing.

Contemporary AV conferencing environments provide comfortable, productive places for people to meet and engage.

The Microflex® Wireless platform was developed by Shure with innovative conferencing spaces in mind, providing flexible and elegant solutions for capturing and managing vivid, lifelike sound in managed meeting environments.

Every system shares the same building blocks: intelligent rechargeable microphone transmitters and charging stations, discreet wireless access point transceivers, flexible audio network interfaces, and comprehensive software tools.

Easy to configure and expand, Microflex Wireless easily scales from custom boardrooms to networked enterprises.

System Overview



TAILORED & DISCREET SOLUTIONS

With 2-, 4- or 8-channel configurations and a versatile offering of modern, low-profile wireless transmitters, Microflex Wireless systems fit any conferencing application and are designed to install easily and disappear into diverse AV environments.



SCALABLE & NETWORK READY

Individual systems can be combined to support configurations of up to 40 compatible channels, or 80 channels in High Density mode. Ethernet connectivity and Dante™ digital audio networking allow to connect to corporate networks for remote management and campus-wide implementation.



SECURE TRANSMISSIONS

Wireless audio transmission is protected by AES-256 encryption to ensure unbreakable privacy and confidentiality. Corporate-uplink mode can be used to keep digital audio off the corporate network while still allowing remote monitoring and system control.



COMPREHENSIVE SOFTWARE CONTROL

Integrated Microflex Wireless Control Software supports setup and allows real-time remote control of a system. Shure SystemOn™ Audio Asset Management Software provides a comprehensive solution for managing large-scale Microflex Wireless deployments, enabling AV / IT administrators to support campus-wide installations from one central platform.



PRISTINE AUDIO

Microflex microphone elements flawlessly capture the detailed characteristics of the human voice. Legendary Shure quality and reliability preserve the vocal nuances to ensure realistic and natural communication.



INTELLIGENT PERFORMANCE

Transmitters become instantly active when removed from the Networked Charging Station. While the system is in use, the Access Point Transceiver actively scans the available spectrum, automatically coordinates clean frequencies for every microphone channel and moves away from unexpected interference.



ADVANCED POWER MANAGEMENT

Smart lithium-ion rechargeable batteries deliver up to 9 hours of continuous use, ensuring that transmitters can operate for a full working day. Standby mode allows energy saving, and remaining battery life or charge details can be monitored remotely over the network, accurate to hours and minutes.



THIRD PARTY INTEGRATION

Microflex Wireless offers an expanded level of integration with numerous leading third party AV hardware and software solutions. The system is fully compatible with control and automation systems and other downstream equipment, reducing setup time and streamlining the workflow when using a complete AV system.





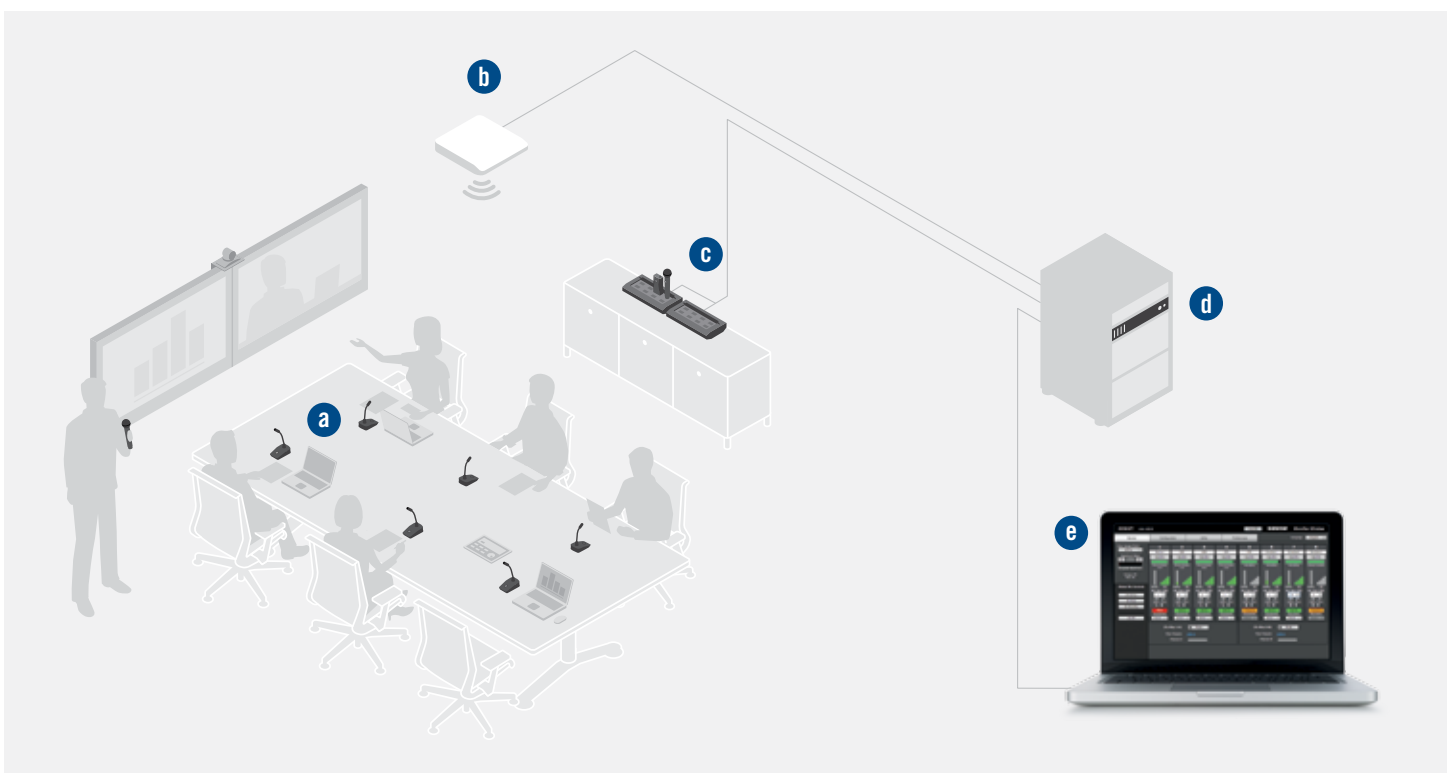
Conference Room Application

Microflex® Wireless systems bring wireless elegance and flexibility to meeting spaces where a wired solution is not preferred, or to historic buildings where running cables and drilling holes is not possible.

With a single Microflex Access Point Transceiver mounted discreetly in the room, you can easily manage up to 8 wireless microphones in any configuration your application requires—boundary, gooseneck, bodypack or handheld. Add more Access Point Transceivers for up to 80 compatible channels (*in High Density Mode*).

When you need to reconfigure a room—from a formal boardroom setup to an AV workroom—modular, wireless components easily flex to meet the channel capacity and transmitter requirements of new conferencing applications.

Additionally, Microflex Wireless systems are fully compatible with leading third-party control systems such as AMX® and Crestron, as well as AV conferencing solutions like Cisco® and Polycom®.



a Wireless Microphones

Elegant boundary, gooseneck, bodypack and handheld transmitters send and receive audio signal and data wirelessly to the Access Point Transceiver.

b Access Point Transceiver

Manages the wireless link with transmitters and connects to the Audio Network Interface via Ethernet over a single Cat5e cable for power (PoE), digital audio and control signal routing.

c Networked Charging Stations

2-, 4- and 8-bay stations fully charge batteries within 2 hours and connect to the Audio Network Interface via Ethernet over Cat5e cable. They provide real-time monitoring of charge status and one-touch linking of docked wireless microphones.

d Audio Network Interface

Converts Dante™ digital networked audio from the Access Point Transceiver to per-channel analog audio output for connectivity to teleconference systems, local sound reinforcement or other audio components. Also provides a 4-port switch, making it easy to set up a Microflex Wireless system without needing additional networking hardware.

e Microflex Wireless Control Software

Browser-based software provides remote control of key set-up and monitoring functions. Remotely view spectrum usage and remaining battery life in hours and minutes, adjust audio levels, set mute button and light ring behavior, and configure system connections. Also allows custom integration into third party control systems such as AMX® and Crestron®.



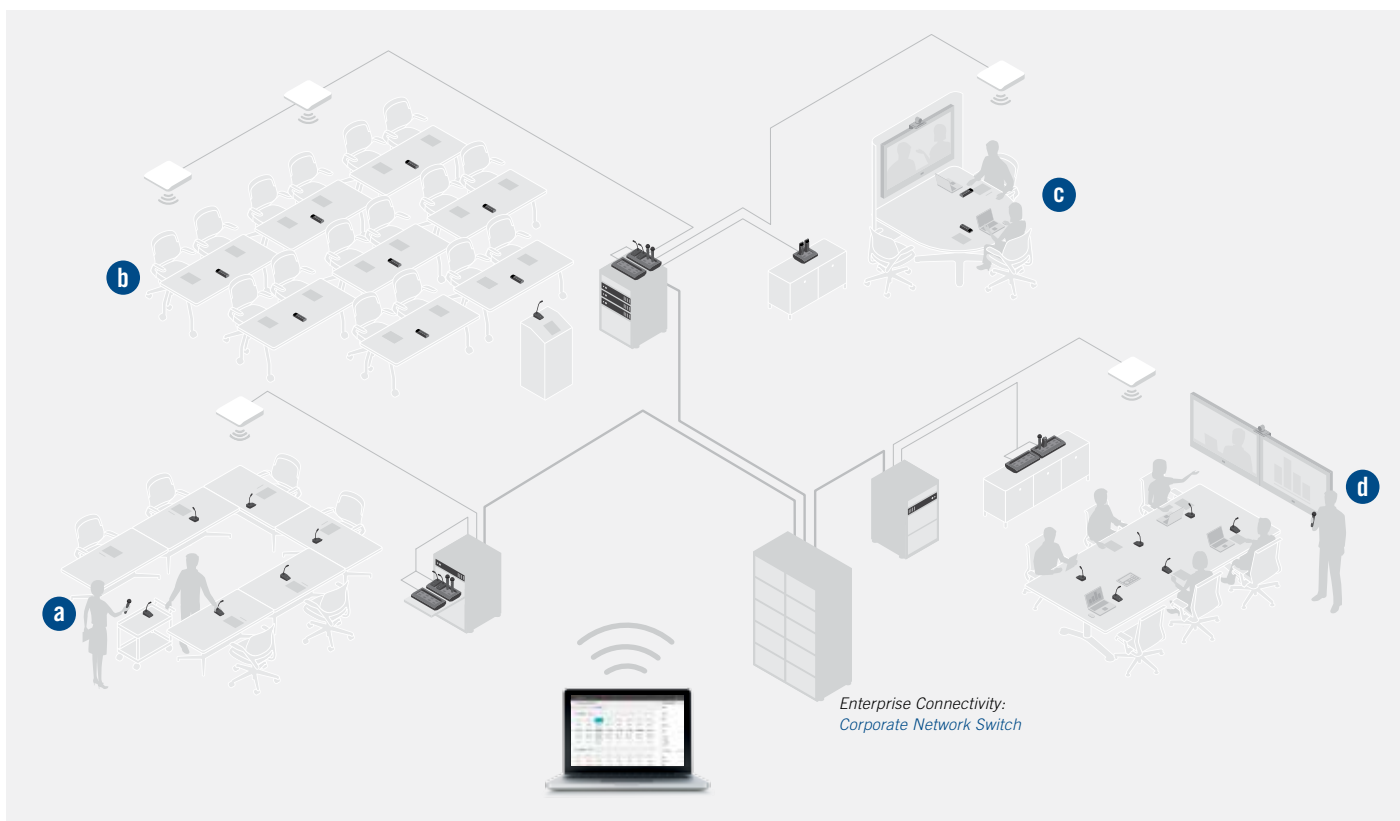
Enterprise Applications

For sites where AV / IT teams manage diverse AV applications that span rooms, floors, buildings and campuses, networkable Microflex® Wireless components extend the reach and efficiency of team resources.

Microflex Wireless extends the Shure legacy of best-in-class audio to boardrooms, huddle rooms and meeting spaces, as well as education and training facilities of all sizes, delivering an enterprise-scale solution with confidence.

All components in the Microflex Wireless system are connected and accessible over Ethernet networks. Any number of networked systems can be setup, managed, monitored and controlled on-site or remotely via web browser.

Shure SystemOn™ Audio Asset Management Software provides comprehensive centralized IT support and real-time troubleshooting across entire networks, particularly for large-scale deployments. The software provides a hardware status view from one central portal and proactively identifies issues such as low batteries and missing or offline equipment. AV / IT admins are able to detect problems before they become critical and respond quickly and efficiently, eliminating the need for on-site troubleshooting.



a Multi-Purpose Room
Flexible, scalable rooms that are easily reconfigured for training sessions and events.

b Auditorium / Theater / Lecture Hall
Media rich presentation halls for direct, keynote-type presentations or lectures with audience participation.

c AV Conferencing Room / Huddle Room
Intimate conference spaces for engaging with remote participants.

d Boardroom
Highly aesthetic spaces for executive-level meetings and presentations.

Wireless Microphone Transmitters

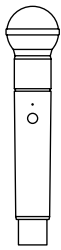


MXW2

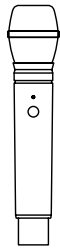
Handheld Transmitter

Durable, lightweight handheld transmitter with integrated antenna. Accepts signature Shure vocal microphone capsules.

- Interchangeable microphone heads
- Dual transmit antennas maximize signal strength depending on hand placement



With SM58® and Beta 58A® microphone cartridges



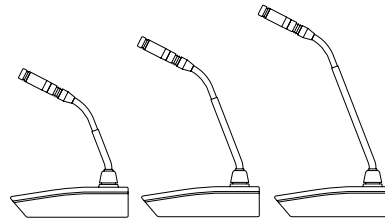
With SM86 and VP68 microphone cartridges

MXW8

Gooseneck Base Transmitter

Stylish, contoured design with minimal footprint. Accepts Microflex modular gooseneck microphones available in multiple lengths with polar pattern and LED options.

- Programmable LED light ring
- Earphone output for return channel audio
- Concealed power switch prevents accidental powering off



Compatible with 5, 10, and 15 inch Microflex Modular Goosenecks



MXW1

Hybrid Bodypack Transmitter

Compact bodypack with integrated omni microphone perfect for use on a lanyard or in a shirt pocket, with external mic input and belt clip included for attachment to clothing.

- External mic input for easy connection to ear-worn and lavalier mics
- Integrated omnidirectional microphone with external input auto switchover feature
- Earphone output for return channel audio



MXW6

Boundary Transmitter

Low-profile wireless boundary microphone offers flexible placement on any surface in front of one or multiple speakers.

- Available with cardioid or omnidirectional pickup patterns
- Low battery indicator LED
- Earphone output for return channel audio
- Concealed power switch prevents accidental powering off

Microflex Wireless Microphone Features:

- AES-256 encryption
- Advanced li-ion rechargeability; up to 9 hours continuous use
- Programmable mute button
- Full range audio (mic dependent)
- Bi-directional wireless for real time remote control of settings
- Up to 50 m (160 ft.) transmission range
- Adjustable power limits to maximize the number of transmitters to operate in separate rooms
- Range warning alert emits beeping sound when range exceeded
- Connect to any standard USB power source for "always on" usage
- Standby mode significantly extends battery life during periods of inactivity
- CommShield® Technology prevents audible interference from consumer wireless devices



Network Connectivity

MXWAPT2 | MXWAPT4 | MXWAPT8

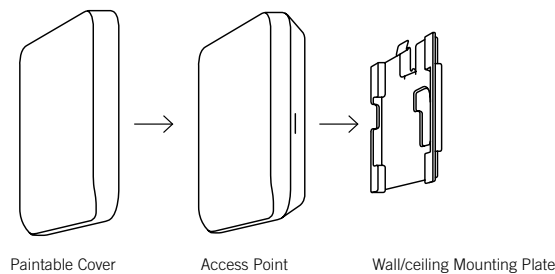
Access Point Transceiver

Low-profile Access Point Transceivers maintain two-way audio and data links with 2, 4 or 8 synced wireless microphones. The Access Point Transceiver features Power over Ethernet connectivity, is easily installed and connected to the network, and ships with wall/ceiling mounting plate and a paintable cover to match the room color.

- Compact design and slim profile (7"×7"×1½") with paintable cover
- Can be powered over Ethernet by the Audio Network Interface
- Plenum rated for installation flexibility
- 2-, 4- or 8-channel models, up to 40 compatible channels per room in standard mode*
- High Density mode doubles the max. number of MXW transmitters, up to 80 channels**
- Bi-directional wireless for both audio signal and control data
- Automated frequency coordination
- Dante™ digital networked audio enables audio routing over Ethernet to any Dante-enabled equipment
- AES-256 encryption

* Total number of channels is region dependent.

** High Density mode available with MXW firmware version 5.x or later. Can be selected for each individual MXWAPT in the browser-based control interface.



Dante Digital Audio Networking offers a total solution that enables transport of low-latency, multi-channel, uncompressed digital audio over standard IP Ethernet networks.

MXWANI4 | MXWANI8

Audio Network Interface

With per-channel analog outputs and a versatile 4 port gigabit Ethernet switch, these rack-mountable 4-channel and 8-channel units are the central point for connecting Microflex Wireless systems to teleconferencing and presentation AV networks.

- 4 or 8 block connector channel outputs
- 1 or 2 mono block connector inputs for return channel audio
- 4 port gigabit switch with optimized port configurations
- Power over Ethernet (PoE) connection to the Access Point Transceiver
- Front panel controls allow adjustment of input and output levels and channel muting and soloing
- Supports Dante™ networking of digital audio for low latency transport and recording
- Headphone output to solo audio channels



MXWANI4 4-Channel Audio Network Interface: Rear Panel



MXWANI8 8-Channel Audio Network Interface: Rear Panel

Networked Charging Stations

MXWNCS2 | MXWNCS4 | MXWNCS8

Networked Charging Stations

Versatile 2-, 4- and 8-bay chargers include docking USB charge ports that accept any Microflex Wireless transmitter*. Ethernet system connection supplies remote battery status monitoring via the control software and easy transmitter linking to the Access Point Transceiver.

*MXWNCS2 not compatible with MXW8 Transmitter

- Connects to the system over Ethernet
- Monitor remaining battery life and charge levels in hours and minutes over the network
- Easy linking of docked microphones to Access Point Transceivers
- Charges to full in 2 hours; 50% charge in 1 hour
- Front panel LEDs report 10, 25, 50, 75 and 100% levels



MXWNCS8
8-bay Charging Station



MXWNCS2
2-bay Charging Station



MXWNCS4
4 bay Charging Station





ATEM 2 M/E Broadcast Studio 4K



\$5,995

Advanced technology high frame rate Ultra HD live production switcher includes 20 x 12G-SDI re-synchronized inputs for all formats from 720p, 1080i, 1080p up to 2160p60. Includes large media memory, 4 media players, 2 Ultra HD resolution multi viewers, DVE, SuperSource, 6 keyers, audio mixer, 6 aux outputs, built in camera control and included software control panel. Supports optional Blackmagic hardware control panels. ATEM 2 M/E Broadcast Studio 4K is perfect for fast action live sports coverage because it can handle high frame rates in both HD and Ultra HD and all connections support 12G-SDI for advanced SDI but with the full compatibility to plug into all your HD-SDI, 3G-SDI and 6G-SDI equipment.

Connections

Total Video Inputs

20

Total Video Outputs

13

Total Aux Outputs

6

SDI Rates

1.5G, 3G, 6G, 12G

Total Audio Inputs

2 x XLR. 2 x RCA.

Total Audio Outputs

2 x XLR Program 2 x XLR Monitor.

Timecode Connections

1 x XLR Timecode in and 1 x XLR Timecode out.

Reference Input

Tri-Sync or Black Burst.

Video Input Re-sync

On all 20 inputs.

SDI Video Input

20 x 10-bit HD/Ultra HD 4K switchable. 2 channel embedded audio.

Extra Audio Outputs

1 x XLR Timecode and 1 x XLR Talkback.

SDI Audio Output

2 Ch embedded into SDI output on all outputs.

Extra Audio Inputs

1 x XLR Timecode and 1 x XLR Talkback.

SDI Program Output

3 x 10-bit HD/Ultra HD 4K switchable.

Down Converted SDI Program Output

1 x 10-bit (From Ultra HD 4K to HD).

SDI Preview Output

1 x 10-bit HD/Ultra HD 4K switchable.

Quantity of Multi Views

2 x SDI

Multi View Outputs

2 x SDI

Control Panel Connection

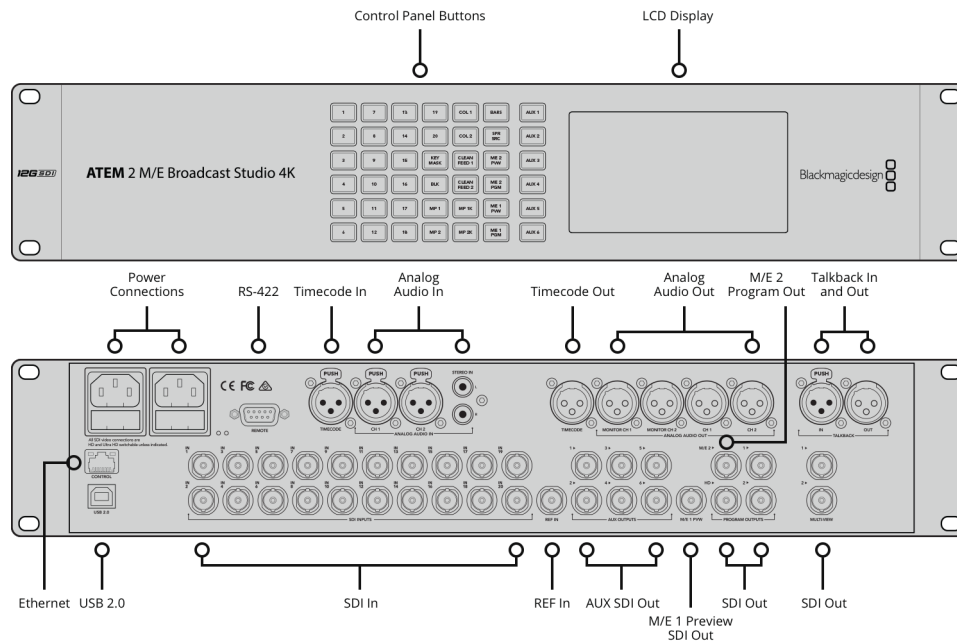
Ethernet supports 10/100/1000 BaseT. Allows direct connection between panel and chassis, or via network.

Tally Output

Added via ethernet connection to Blackmagic Design GPI and Tally Interface product. (Not included).

Computer Interface

1 x USB 2.0 port.



Standards

SD Format Support

None.

HD Format Support

720p50, 720p59.94,
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p50, 1080p59.94
1080i50, 1080i59.94

Ultra HD Format Support

2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p50, 2160p59.94

SDI Compliance

SMPTE 292M, SMPTE 424M

Video Sampling

4:2:2

Color Precision

10-bit

Color Space

REC 601, REC 709, REC 2020

Product Specifics

Upstream Keys

4

Downstream Keys

2

Chroma Keys

4

Linear/Luma Keys

7

Transition Keyer (Stinger/DVE)

1 and 1

Total Number of Layers

13

Pattern Generators

7

Color Generators

2

DVE with 3D Borders & Drop Shadow

1

Control Panel

Software or optional hardware panel.

Routable Windows

16

Tally

Red for program and green for
preview indication.

Windows Source Labels

Yes

Multi View Monitoring

Multi View Monitoring

2 x 10 Views for 20 total views.

Multi View Video Standard

Select HD or Ultra HD

Media Player

Media Players

4

Media Player Clip Length in 720 HD

3200 frames.

Media Pool Still Image Format

PNG, TGA, BMP, GIF, JPEG and TIFF.

Media Pool Still Image Capacity

64 with fill and key.

Media Player Clip Length in 1080 HD

1440 frames.

Media Pool Video File Format

TGA Sequence.

Media Pool Clip Capacity

2 with fill and key.

Media Player Clip Length in Ultra HD

360 frames.

Media Pool Audio File Format

WAV, MP3 and AIFF.

Display

Interface

Minimum monitor resolution of 1366 x 768.

Front panel

Built in HD LCD monitor for video and 42 LED buttons for Aux switching.

Processing

Processing Delay

< 2 Lines

Audio Mixer

24 input x 2 channel mixer.
Selectable On/Off/Audio-Follow-Video.
Level and Peak metering.
Master gain control.
Dedicated analog outputs for monitoring.

4K to HD Down Conversion

Yes, program x 1.

Software

Control Panel Included

ATEM Software Control Panel included free for Mac OS X 10.10 Yosemite, Mac OS X 10.11 El Capitan or later and Windows 8.1 64-bit or Windows 10 64-bit.

Software Updates

Using USB 2.0 connection directly connected to Mac OS X or Windows computers. Includes ATEM Setup Utility.

Configuration

Set via ATEM Software Control Panel, excluding ATEM chassis IP address which is set via the ATEM Setup Utility connected via USB to chassis.

Operating Systems



Mac OS X 10.10 Yosemite,
Mac OS X 10.11 El Capitan
or later.



Windows 8.1 64-bit or
Windows 10 64-bit.

Power Requirements

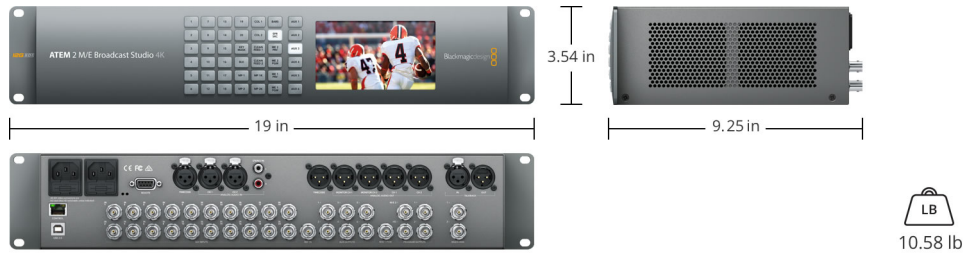
Power Supply

2 x Internal 110 - 240 AC.

Power Usage

300W

Physical Specifications



Physical Installation

Physical Installation

2 Rack Unit Size.

Environmental Specifications

Operating temperature

0° to 40° C (32° to 104° F)

Storage temperature

-20° to 60° C (-4° to 140° F)

Relative Humidity

0% to 90% non-condensing

What's Included

ATEM 2 M/E Broadcast Studio 4K
SD card with software and manual

Warranty

12 Month Limited Manufacturer's Warranty.

All items on this website are copyright Blackmagic Design Pty. Ltd. 2017, all rights reserved.
All trademarks are property of their respective owners. MSRP excludes sales taxes/duties and shipping costs.

Blackmagic Design Authorized Reseller

Software Control

Microflex Wireless Control Software

Browser-based control software that offers comprehensive remote monitoring and control of all settings and status parameters over the web, a corporate network or an AV local area network.

- Spectrum scanner provides data on spectrum availability with channel count estimates
- Battery life and charge level monitoring in hours and minutes
- Mic gain, low and high pass audio adjustment
- Individual and global mic controls for powering on/off and triggering mute and standby modes
- Set preferences to program default system behavior

Note: Microflex Wireless Control Software allows monitoring and control of individual MXW systems at a time. For consolidated overview of all MXW systems across an entire network, SystemOn Software is recommended.



MXWAN18
Audio Network Interface



Preferences Tab



Spectrum Scanner

SystemOn™ Audio Asset Management Software



Shure SystemOn Audio Asset Management Software was developed for managing mission critical or large-scale deployments of Shure audio hardware across corporate and higher education networks from one central platform. SystemOn tracks audio levels, battery life and RF/spectrum status in real time, enabling IT administrators and AV technicians to monitor and control Shure hardware devices remotely using a laptop, smartphone, or tablet.



Centralized Monitoring & Control

- Automatically discovers Shure devices on the same subnet via IP address
- Allows to manage devices across subnets
- Provides real-time status of wireless system and device attributes, and captures event history
- Remotely controls audio gain, muting and RF channel assignments



Remote Response Troubleshooting

- Instant notification of low battery and missing devices to AV/IT administrator
- Remote muting, device identification, and single-view audio gain adjustment
- Real-time room status for help desk for greater efficiency
- Offline system status notifications via email and SMS text



Simple Configuration

- Streamlined login by selecting users from existing enterprise directories
- Customizable user access and permissions based on role or location
- Direct link between hardware and software requires zero programming
- Seamless feature and software updates
- Language options customizable to individual account settings

Name	Model	Location	Status
Shure ULX-D	ULX-D	Room 101	Online
Shure ULX-D	ULX-D	Room 102	Online
Shure ULX-D	ULX-D	Room 103	Online
Shure ULX-D	ULX-D	Room 104	Online
Shure ULX-D	ULX-D	Room 105	Online
Shure ULX-D	ULX-D	Room 106	Online
Shure ULX-D	ULX-D	Room 107	Online
Shure ULX-D	ULX-D	Room 108	Online
Shure ULX-D	ULX-D	Room 109	Online
Shure ULX-D	ULX-D	Room 110	Online

Inventory Management

Notification Category	Notification Method	Notification Frequency
Low Battery	Email	15 min
Service History	Email	15 min

Notifications

Name	Email	Role
Admin User	admin@shure.com	Administrator
Audrey Dempsy	dempsy@shure.com	Technician
Jim Swenson	swenson@shure.com	Technician
Sarah Adams	adams@shure.com	Technician
Thera Lange	lange@shure.com	Administrator

Users & Roles

SystemOn also supports Shure ULX-D® Digital Wireless Systems and SCM820 Intellimix® Automatic Mixers.

The software is available through a subscription model. Each IP-addressable device requires one license. For more details, visit www.shure.com

Microflex Wireless Specifications (Note: Some specifications subject to change.)

SYSTEM

Working Range:

50 m (160 ft)

Note: Actual range depends on RF power setting, signal absorption, reflection and interference.

RF Carrier Frequency Range (Band):

USA, Canada, Mexico: 1920–1930 MHz (Z10)
EMEA, Asia: 1880–1900 MHz (Z11)

Audio Frequency Response:

50 Hz–20 kHz (+1, –3 dB)

Note: Dependent on microphone type

Dynamic Range:

>99 dB, A-weighted

System Gain:

Mic gain @ 0dB to line level output on MXWANI through Dante
+50 dB

Latency:

18 ms, nominal

RF Sensitivity:

–87 dBm, minimum

RF Output Power:

19dBm (80mW) maximum

Cable Requirements:

Cat 5e or higher, shielded, 100m max. between network devices

Network Addressing Capability:

DHCP, link-local, static

Operating Temperature Range:

0°C (32°F) to 49°C (120°F)

Storage Temperature Range:

–29°C (–20°F) to 74°C (165°F)

NETWORKED CHARGING STATION

Charge Time:

MXW1, MXW6, MXW8: 2 hours
MXW2: 3 hours

Network Interface:

10/100 Mbps Ethernet

Power Requirement:

15 V DC @ 3.3 A maximum

Dimensions:

NCS8: 68 mm × 343 mm × 184 mm
NCS4: 68 mm × 191 mm × 184 mm
NCS2: 48 mm × 102 mm × 153 mm

Weight:

NCS8: 2.9 kg (6.4 lbs)
NCS4: 1.7 kg (3.7 lbs)
NCS2: 0.8 kg (3.7 lbs)

TRANSMITTERS

Gain Adjustment Range:

–25 to +15 dB (in 1 dB steps)

Maximum Input Level:

Mic gain @ –16 dB
–9 dBV

Headphone Output:

3.5 mm (1/8"), dual mono
(will drive stereo phones)

Maximum Headphone Output Power:

1kHz @ 1% distortion, peak power, @16Ω
17.5 mW

Antenna Type:

Internal, Spacial Diversity,
Linear Polarization

Battery Type:

Rechargeable Li-Ion

Battery Life:

Standard Density Mode:
Up to 8 hours (MXW1, MXW6, MXW8)
Up to 15 hours (MXW2)

High Density Mode:

Up to 9 hours (MXW1, MXW6, MXW8)
Up to 16 hours (MXW2)

Charge Connector:

USB 3.0 Type A

Housing:

Molded Plastic

Storage Temperature Range:

–29°C (–20°F) to 74°C (165°F)

MXW1 HYBRID BODYPACK TRANSMITTER

Microphone Connector:

4-Pin male mini connector (TA4M),
See drawing for details

Internal Microphone:

Omnidirectional (20 Hz – 20 kHz)

Dimensions:

22 mm × 45 mm × 99 mm
(0.9 in. × 1.8 in. × 3.9 in.)

Weight:

85 g (3.0 oz.)
with batteries, without microphone

MXW2 HANDHELD TRANSMITTER

Microphone Capsule:

SM58®, SM86, Beta58A®, VP68

Dimensions:

226 mm × 51 mm
(8.9 in. × 2.0 in.) L × Dia.
including SM58 microphone capsule

Weight:

323 g (11.4 oz.)
with batteries, including SM58 microphone capsule

MXW6 BOUNDARY TRANSMITTER

Microphone Capsule:

MXW6/O R183B
MXW6/C R185B

Dimensions:

23 mm × 44 mm × 114 mm
(0.9 in. × 1.75 in. × 4.5 in.)

Weight:

108 g (3.8 oz.) *with batteries*

MXW8 GOOSENECK BASE TRANSMITTER

Microphone Connector:

6-pin connector for Shure MX405/10/15

Dimensions:

36 mm × 71 mm × 124 mm
(1.4 in. × 2.8 in. × 4.9 in.) H × W × D

Weight:

193 g (6.8 oz.)
with batteries, without microphone

ACCESS POINT TRANSCEIVER

Network Interface:

RJ45: Gigabit Ethernet,
Dante digital audio

Power Requirement:

Power over Ethernet (PoE)
Class 0, 6.5W

Antenna Type:

Internal, Spacial Diversity,
Circular Polarization

Housing:

Molded Plastic, Cast Zinc

Plenum Rating:

UL2043

Dimensions:

24 mm × 170 mm × 170 mm
(1.35 in. × 6.7 in. × 6.7 in.)
Without mounting plate or cover

Weight:

APT8: 856 g (1.9 lbs)
APT4: 845 g (1.86 lbs)
APT2: 845 g (1.86 lbs)

AUDIO NETWORK INTERFACE

Network Interface:

Four-Port Gigabit Ethernet Switch,
Dante digital audio

AD/DA Converter:

24-bit, 48 kHz

Latency:

Estimated Nominal, ±0.1 ms
Analog-to-Dante: 0.21 ms
Dante-to-Analog: 0.24 ms + TN
TN = Network latency in milliseconds, as set in Dante Controller. Note: Dante network latency is typically associated with the receiving device.

Audio Frequency Response:

20 Hz to 20 kHz (+1, –1.5 dB)

Dynamic Range:

20 Hz to 20 kHz, A-weighted, typical
Analog-to-Dante: 113 dB
Dante-to-Analog: 110 dB

Power Requirements:

100 to 240 V AC, 50–60 Hz, 1 A

Output Noise:

20 Hz to 20 kHz, A-weighted, typical
Line: –84.5 dBV
Aux: –95.2 dBV
Mic: –106.5 dBV

Dimensions:

44 mm × 483 mm × 366 mm
(1.7 in. × 19.0 in. × 14.4 in.)

Weight:

MXWANI4: 3.1 kg (6.9 lbs)
MXWANI8: 3.2 kg (7.1 lbs)

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Email: info@shure.com.hk

SEAMLESS MIXING. ADVANCED CONTROL.



SCM820

Digital IntelliMix® Automatic Mixer

The SCM820 is the flagship Shure digital automatic mixer for seamless, natural-sounding speech in multiple microphone applications. This innovative 8-channel microphone mixer provides advanced new IntelliMix mixing capabilities along with convenient Ethernet connectivity and versatile configuration options.



IntelliMix® Technology

Preset, manual & custom modes



Digital Feedback Reduction

Two channels of patented Shure DFR



Dual Mixer Operation

One or two independent mixes



Dante™ Digital Audio

Multichannel audio over Ethernet



Remote Control

Convenient browser-based software

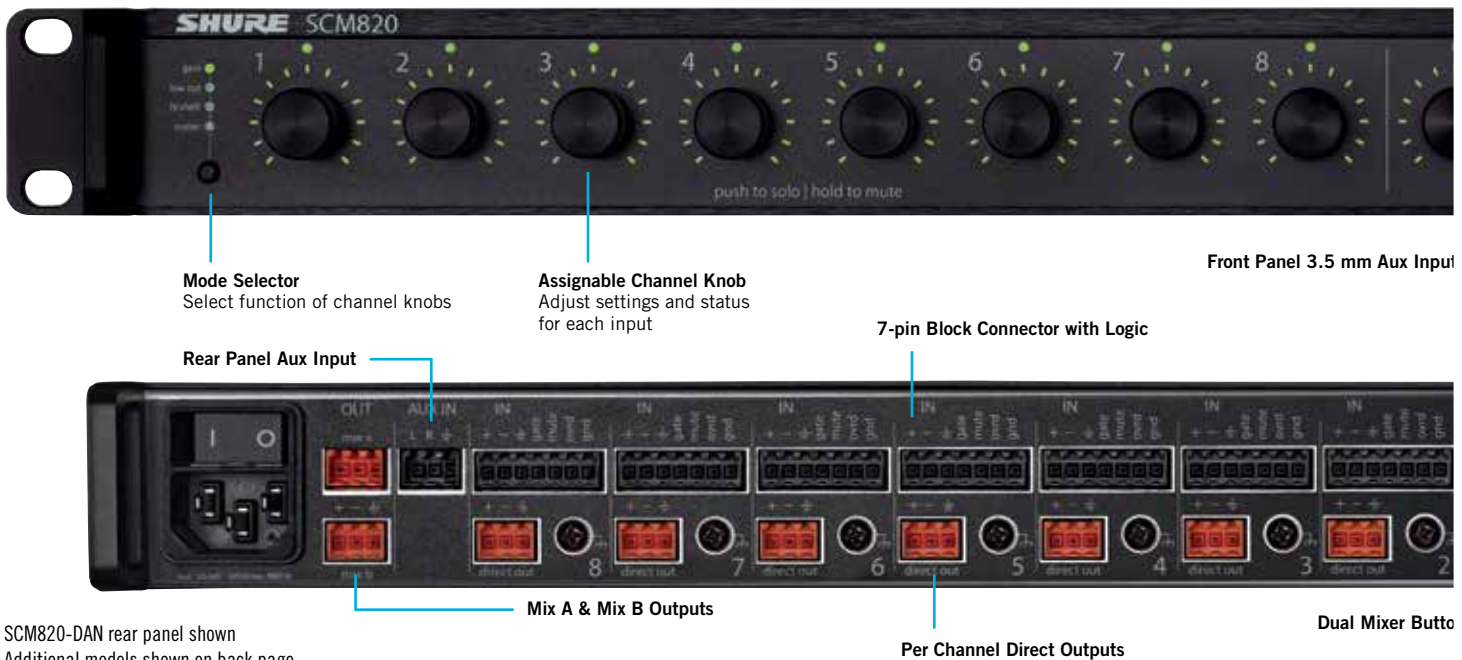


Model Variations

Multiple I/O configurations



More Control. Greater Capacity. One Box.



SCM820-DAN rear panel shown
Additional models shown on back page

Smart, Simple Controls

With an intuitive hardware interface and informative LED metering, the SCM820 packs an extensive range of control and visibility into a single streamlined rack unit.

Channel Control Knobs

Make quick adjustments to gain, low cut and high shelf EQ, and solo/mute functions.

LED Meter Rings

Channel and master meter rings vibrantly display input audio or IntelliMix gain levels.

Dual Mixer Mode

Route two entirely different and independent automixes to mix A and B outputs.

Output Mix Control

Front-panel master gain and limiter control section with output signal meter strip.

Hardware/Software Control

Adjust settings directly on the front and back panels or through the browser-based control software.

Analog & Digital Connections

The SCM820 provides enhanced I/O support to engineers—in both application flexibility and digital connectivity—to make setting up, configuring and managing systems easier and more efficient.

DB25 or Logic-enabled Block Connector Models

Eight channel inputs on the back panel connect to mic or line level audio sources.

Direct Outputs

Per-channel direct outputs allow the SCM820 to be used as an insert processor or for recording.

Dante™ Digital Audio Networking

Dante-equipped models provide multichannel digital audio I/O over Ethernet and enable linking to additional SCM820 units.

Mix A and B Outputs

Connect line or mic level mix outputs to a sound reinforcement system, mixing console or recording device.

Aux Inputs

Route a mono signal straight to the mix outputs from front and back panel auxiliary inputs, bypassing the IntelliMix bus.

¼" (6.5 mm) Stereo Headphone Output

For channel and mix monitoring.

IntelliMix® Technology

Proprietary Automixing Functionality

Noise Adaptive Threshold (NAT)

Continually adjusts the gate threshold for opening a channel.

Number of Open Microphones Attenuation (NOMA)

Determines the ideal gain attenuation for a mix output as additional channels are opened.

Last Mic Lock-On (LMLO)

Keeps the most recently activated microphone open until another microphone is activated.

MaxBus

Ensures that only one channel is opened per sound source, reducing comb filtering for clear, intelligible speech.

IntelliMix® Modes

Tailored Automix Style Presets

Classic

Ideal for noisy environments, such as live sound reinforcement. Classic mode uses fast-acting, seamless channel gating and consistent perceived ambient sound levels.

Smooth

Ideal for quiet environments, such as broadcast or recording applications, smooth mode dynamically balances system gain between open and closed channels.

Extreme

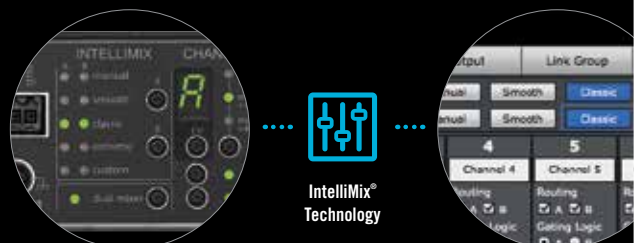
A more aggressive form of classic mode, extreme mode is configured to achieve maximum gain before feedback by completely attenuating closed channels.

Manual

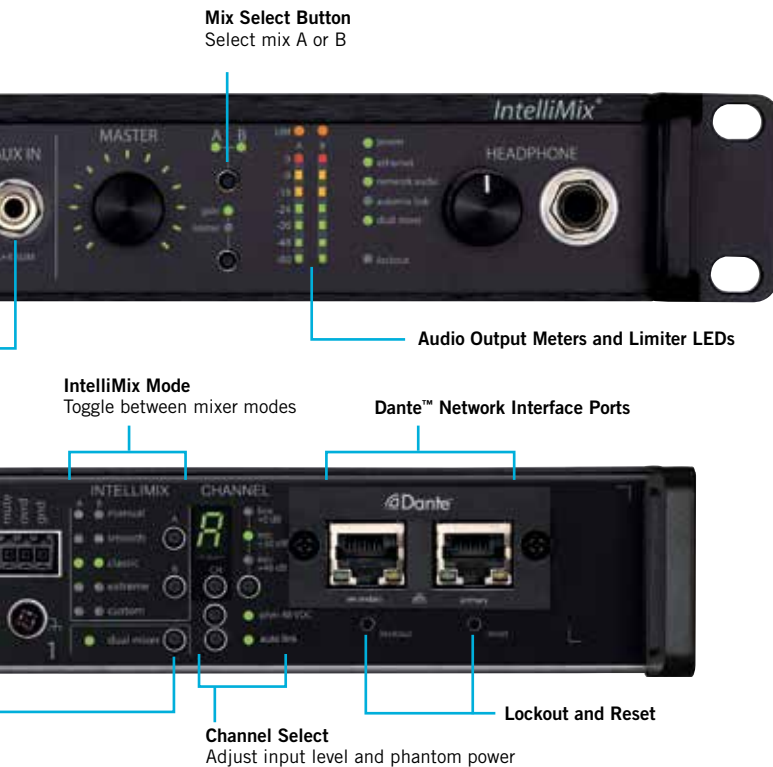
Deactivates IntelliMix to allow the SCM820 to operate as a standard mixer.

Custom

Allows customized IntelliMix settings to be saved to a computer and quickly loaded onto the device.



Software and hardware-based control of key system settings



Networked Solutions

Networking options available with the SCM820 enable advanced control and signal routing. Link multiple units together on a network, then control their settings and signal path remotely from a PC or Mac.

Standard Ethernet or Dante Digital Audio

Choose the best networking option for the application.

Dante Upgrade Card

Upgrade standard Ethernet models to add Dante digital audio.



Dante Virtual Soundcard

License included with Dante-equipped models and upgrade card allows a computer to connect to a Dante network for use with playback, recording, and internet calling software.

Linking Mixers

Dante-equipped SCM820 mixers can be linked to form large automixes of up to 12 units (96 channels of audio).

Control System Compatible

Connects to AMX and Crestron controllers.

SCM820 Control Software

Remote Set-up and Control

SCM820 Control Software provides convenient management, monitoring, and configuration support for all key system settings. It features a rich, browser-based graphical user interface and is accessible from any networked computer.

Control tabs

Inputs

Manage parameters and monitor audio levels for each input channel

IntelliMix

Configure IntelliMix modes and route channels to mix outputs

DFR (Digital Feedback Reduction)

Adds two channels of adaptive EQ filtering to find and attenuate feedback frequencies

Outputs

Manage parameters and monitor audio levels for each direct output channel and mix outputs

Link Group

Create and manage larger automixes through linking multiple devices

Preferences

Manage global device settings

DFR (Digital Feedback Reduction)

Enhancing the expansive feature set already available through the SCM820 control software, DFR (Digital Feedback Reduction) adds two channels of adaptive EQ filtering to find and attenuate feedback frequencies, noticeably improving gain before feedback in live sound reinforcement systems.

- Two channels of patented Shure Digital Feedback Reduction
- Assignable to input channels and mix outputs
- Automatic feedback detection and filter deployment
- Up to 16 filters per channel
- 25 Hz to 20 KHz bandwidth
- Up to 18 dB gain reduction per filter
- Selectable low/high Q filter width (1/40th or 1/70th octave)



Input Tab



Output Tab

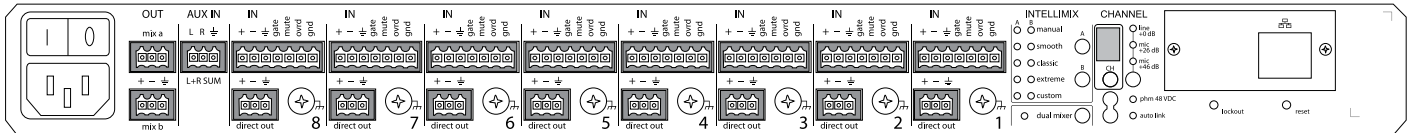


IntelliMix Modes

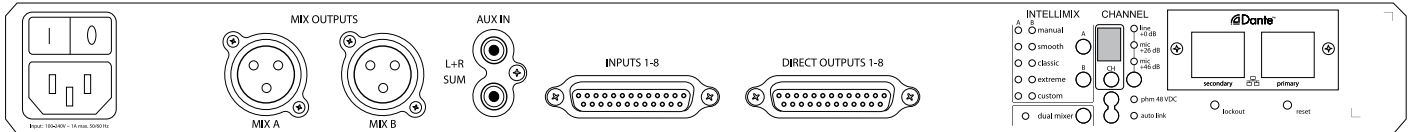


Digital Feedback Reduction

Selected Specifications



SCM820 rear panel



SCM820-DAN-DB25 rear panel

General

Audio Frequency Response	20 Hz to 20 kHz (± 1 dB)
Dynamic Range	Analog-to-Analog: 110 dB
20 Hz to 20 kHz, A-weighted, typical	Analog-to-Dante, Dante-to-Analog: 113 dB
Dimensions	44 mm x 483 mm x 289 mm (1.7 in. x 19.0 in. x 11.4 in.), H x W x D
Weight	5.5 kg (12.0 lbs)
Power Requirements	100 to 240 V AC, 50-60 Hz, 1 A
Operating Temperature Range	-18°C (0°F) to 63°C (145°F)

Analog Connections

Configuration	Channel input, Mix output: Active balanced Aux input: stereo, unbalanced Direct output: Impedance balanced
Clipping level	Channel Inputs: Line (+0): +20 dBV, Mic (+26): -6 dBV, Mic (+46): -26 dBV Aux Input: +10 dBV
Phantom Power	48 V DC, selectable per channel, 14 mA max.
Max Output Level	Line (+0): +20 dBV, Line (-20): 0 dBV, Mic (-46): -26 dBV

Digital Signal Processing

AD/DA Converter	24-bit, 48 kHz, 113 dB dynamic range typical
Latency	Analog to Analog: 0.51 ms Analog to Dante: 0.29 ms
Gain Adjustment Range	Channel Input, Mix Output: -110 dB to +18 dB
Input Processing	Low cut, high shelf
Output Processing	8-band PEQ, limiter
Networking Interface	SCM820: Single Port, 10/100 Mbps Ethernet SCM820-DAN: Dual Port, Gigabit Ethernet, Dante Digital Audio

Available SKUs

SCM820	8 Channel Digital Automatic Mixer, block connectors
SCM820-DAN	8 Channel Digital Automatic Mixer, block connectors, Dante Digital Audio
SCM820-DB25	8 Channel Digital Automatic Mixer, DB25 connectors
SCM820-DAN-DB25	8 Channel Digital Automatic Mixer, DB25 connectors, Dante Digital Audio
A820-NIC-DANTE	Dante Digital Audio Upgrade Card for SCM820 Standard Ethernet Versions
DB25 Accessory Cables	DB25 to 8 XLR Male, DB25 to 8 XLR Female, DB25(x2) to 8 TRS

Dante is a trademark of Audinate Pty Ltd.

Note: All specifications subject to change.

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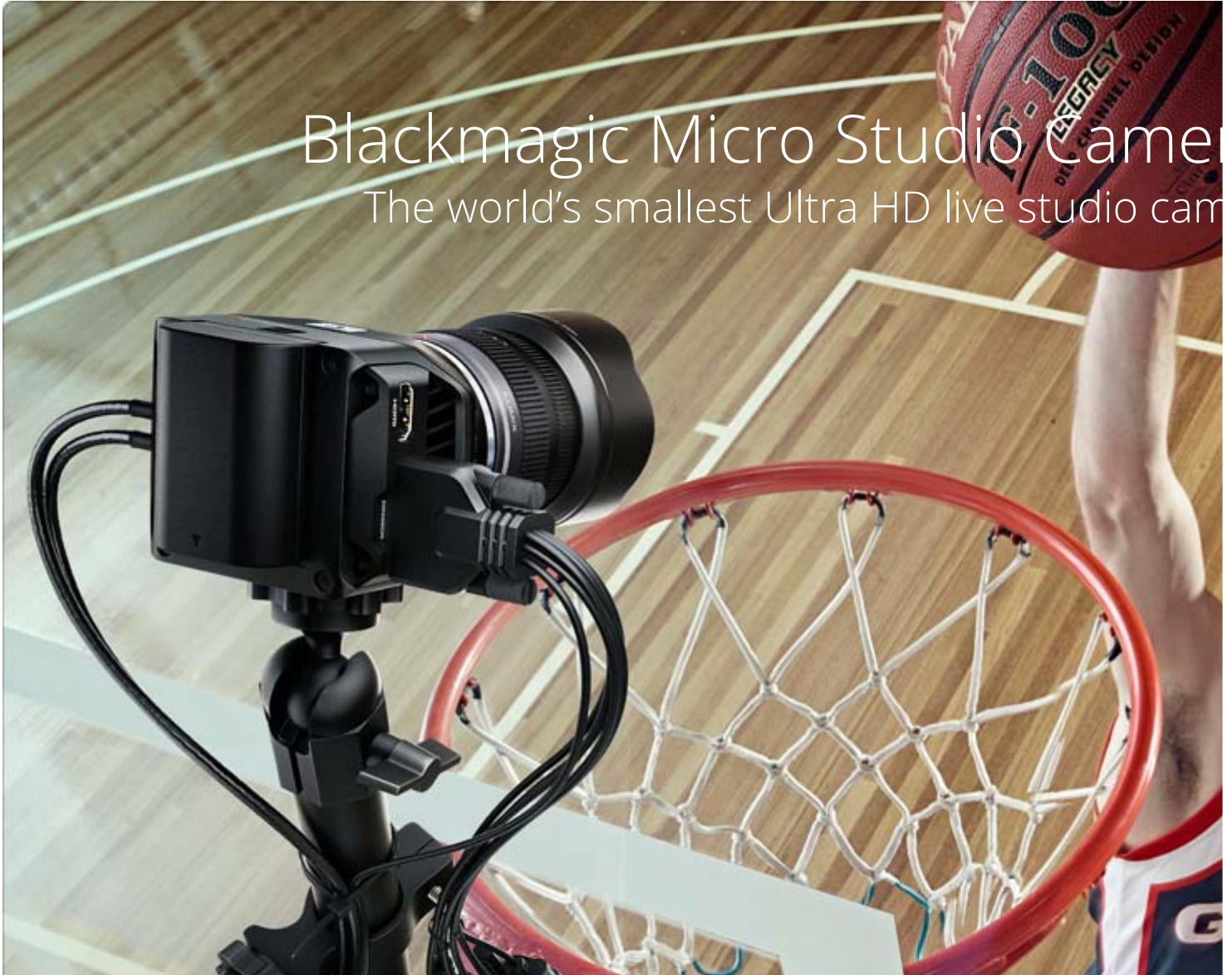
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Blackmagic Micro Studio Camera

The world's smallest Ultra HD live studio camera



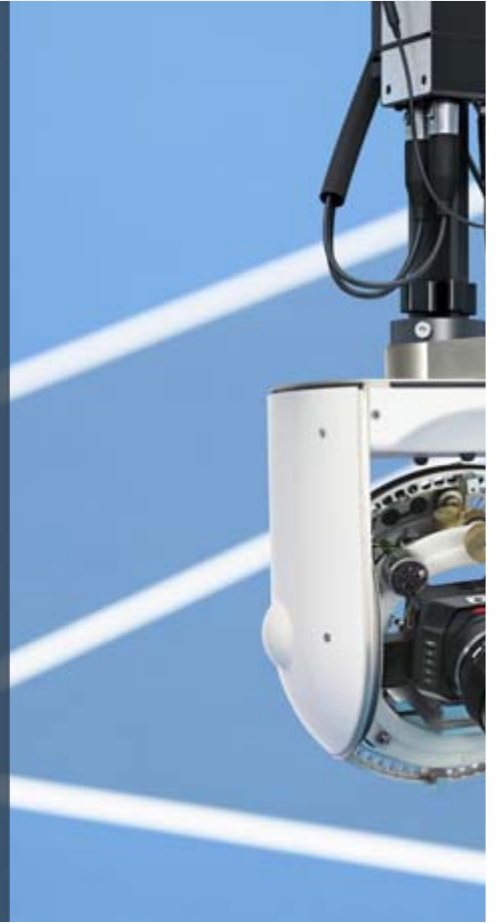
The Blackmagic Micro Studio Camera 4K is an incredibly tiny Ultra HD studio camera that's perfectly designed for live production. You get a full Ultra HD resolution camera that can be used in HD and Ultra HD video formats and it can be fully controlled from the switcher via the SDI control protocol. Micro Studio Camera 4K includes powerful features such as built in color corrector,

talkback, tally indicator, PTZ control, backup battery, an adaptable M output. This means Micro Studio camera that is dramatically better than most expensive studio cameras

Live Multi Camera

Broadcast quality Ultra HD that's small enough to use anywhere

The small size and completely open design of the Micro Studio Camera 4K makes it perfect for any live multi camera production! It's virtually invisible and can be hidden just about anywhere on set, giving you the ability to have more camera angles than ever before so you can create a more interesting program. You can even hide them on stage to get incredible shots of live performances or, because they're so small, safely fly them overhead during sporting events. It can also be used in the studio by rigging it with a professional broadcast lens and a Blackmagic Video Assist for monitoring.





Revolutionary Design

The world's most riggable Ultra HD studio camera

The Blackmagic Micro Studio Camera 4K is engineered with a super tough magnesium alloy construction that is much larger than the lens mount itself! You can use affordable, high performance MFT lenses or work with traditional broadcast lenses. The Micro Studio Camera's SDI program input accepts a connection from any ATEM switcher so you get remote control of camera settings, color balance, gamma, lens focus, iris and zoom control and much more. The expansion port includes PTZ outputs so you can remote control remote heads and broadcast lenses all from a single



Lens Mount



Stereo Mic



Audio In



Canon Battery
Compatible



RGB LED

Flexible

Completely remote control

The Micro Studio Camera is completely remote controlled because it includes a variety of control connections. It has a standard RS-485 connection so you can control it with a standard RS-485 output for controlling other equipment. You can even build customized control systems using the S.Bus input. The camera also has a common DB-HD15 connector for your own cables or for using the standard cables included. The expansion module provides power in, LANC and



Ultra HD Image Sensor

True broadcast quality high resolution Ultra HD

...and the most critical of all is even more important than you're working in...
 extra sensor resolution completely eliminates any color loss from the sensor's bayer pattern...
 bandwidth RGB HD color and superior sub pixel anti-aliasing for amazing fine image detail...
 Studio Camera 4K has a 6G-SDI connection so it works up to 30 frames per second in Ultra...
 be switched to 3G-SDI or HD-SDI so it can operate up to 1080p60. If you're working in HD...
 Micro Studio Camera 4K can easily handle both.



Micro F... Lens M...

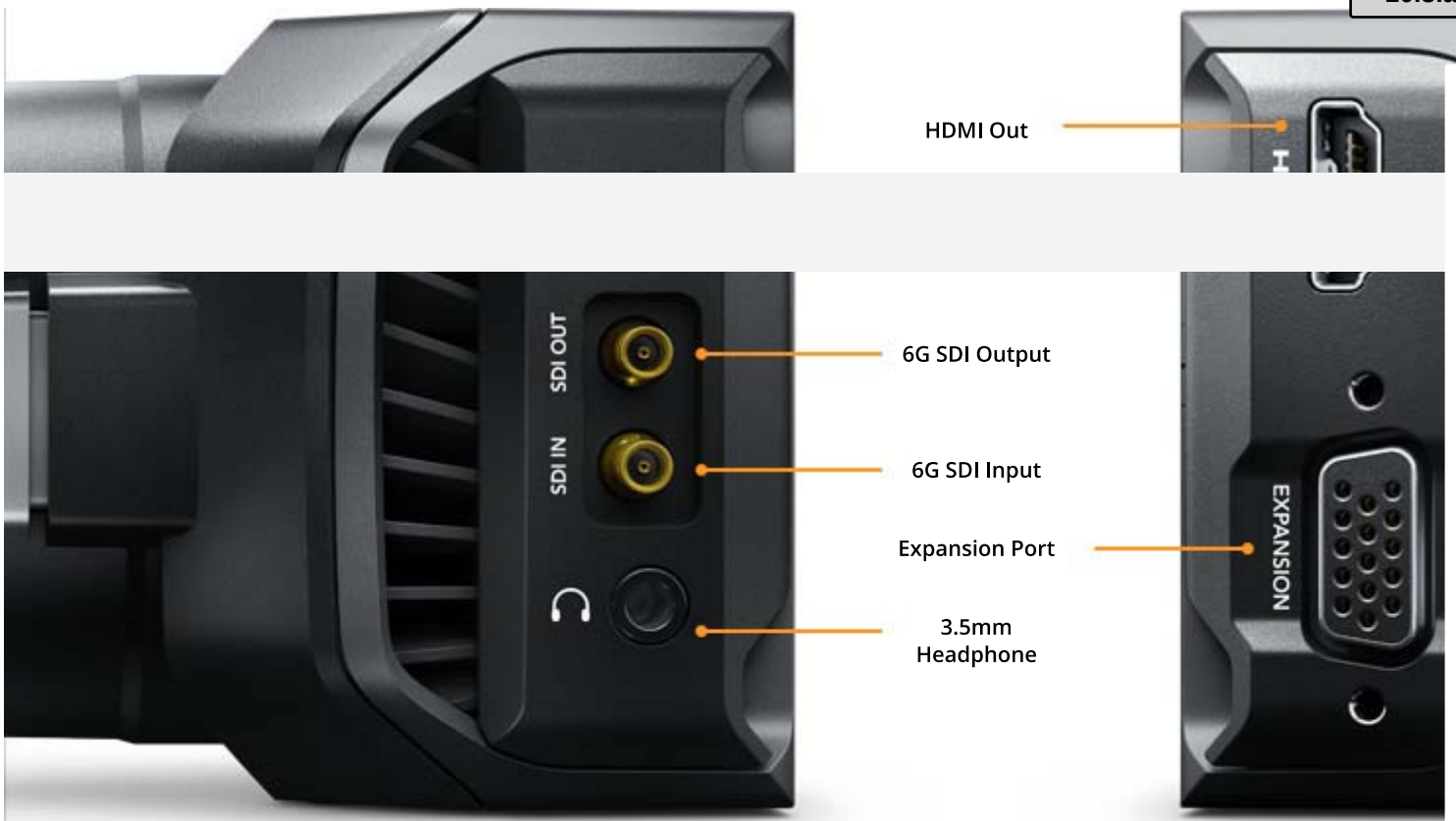
Use a rang...
lens adapt...

Active MFT photo le...
 light weight and pr...
 much higher resolu...
 which makes them...
 remotely controlled...
 feed from your ATE...
 expansion port on...
 lens mount adapte...
 Broadcast B4 lense...
 style PL lenses!

Attachment: Council Chamber Upgrades Material (1155 : Council Chamber Audio/Video Upgrades)

Broadcast Connections

SDI in and out, HDMI monitoring, headphone, and mic



The Micro Studio Camera 4K includes a full size HDMI connector for local video monitoring so you can add a monitor to the camera or quickly plug in a local monitor when you're setting the position of a remote camera or changing camera menus. There is a mini BNC connector for the main camera SDI output and a mini

BNC connector for the camera p to provide reference, control car talkback audio and tally status. 1 external microphones and a 3.5 supports an iPhone compatible

Remote Camera Control

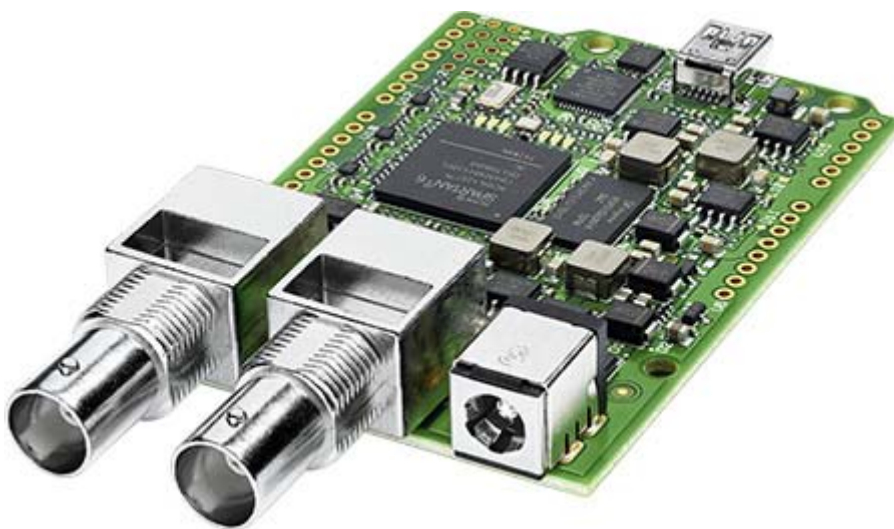
Control cameras from your ATEM Switcher!

The Blackmagic Micro Studio Camera 4K works with standard SDI camera control protocols. That means you can connect the program feed from any model of ATEM Switcher to the camera's SDI input and remotely control any setting in the camera, color correct or even change focus, iris and zoom on supported lenses. Broadcast cameras traditionally have basic CCU color balance controls, however the Micro Studio Camera 4K includes a full DaVinci primary color corrector so you get so much more than simple CCU controls because you can also do a full color grade in the camera. Now the technical director can fine tune the settings and match the looks of cameras quickly.





New for NAB 2016



Blackmagic Arduino Shie Build customized

The Blackmagic 3G-SDI Arduino board or “shield” that makes it possible to build their own custom control solutions for cameras. Arduino is a popular open-source microcontroller platform used by developers. The Blackmagic 3G-SDI Arduino Shie then supports inserting camera SDI link to the camera. This means that URSA Mini can now be controlled and you can design and build your own automation solutions!

Quick Camera Settings



Quickly access the most important settings

power, menu navigation and settings. Because they're on the front, the buttons are always accessible, even when rigged into tight locations. Simply plug into any HDMI display such as a TV or the portable Blackmagic Video Assist so you can see the camera's menus and you can easily change any of the camera's settings. You can use the menus to set the camera up and then that allows the switcher to take control of the camera via the SDI program input.



3.5mm

Audio Input



Great Quality Sound

High quality microphones
built in or use external microphones

The built in stereo microphones are engineered for high quality audio and feature a mechanical design that helps reduce unwanted wind noise so you get great sounding audio. When you need better audio in windy outdoor conditions such as sporting events, you can plug in an external mic with a wind sock to capture clean sound! The camera instantly switches to the external microphone when one is connected and can work with both line or mic levels. Whether you're using the built in microphones or attaching one from the outside, the audio is embedded into the SDI video output so you get perfect audio and video sync!





Built In Talkback

Two way communication
with the entire crew!



The Micro Studio Camera 4K includes an iPhone style headphone socket with mic so you get full talkback support. You can also use standard noise canceling headsets, like those from Bose, Sennheiser and more to hear the technical director without distraction from the audience. Because the camera has an SDI connection to the switcher and an SDI connection from the

switcher the talkback audio is embedded in the SDI signal and you get two way communication. When setting up fixed cameras, talkback can be used from camera to camera and plug in your headphones to let the rest of the crew to get the best



Battery or External Power

Use DC power or 12V AC

The camera includes a 12V to 30V DC power input. You can power the camera using any standard 12V AC plug pack. There is a standard battery receptacle on the back of the camera to get local back up power in case the power is accidentally disconnected during a live broadcast. The power input is located on the external side of the camera.

connect power to the breakout cable so you can have multiple c
distances and all down a single c



LP-E6

Canon Battery
Compatible

Via
Exp

Products

Resellers

Support

Company

Media

Splice

ForumBlackmagicdesign



Blackmagic Micro Studio Camera 4K

Workflow

Design

Customization

Accessories

Tech Specs

Add Popula

The expansion port combined with the internal expansion port and external mounting points give you many options for customizing your studio camera remotely by itself, or you can use the camera so you can build your own camera so you can build your own party lenses from companies like or use an adapter to work with a feature film PL lenses! Two ¼" mounting holes at the bottom of the camera so you can add local monitor to use as a viewfinder or external recorder to build a custom



Blackmagic Micro Studio Camera 4K



Blackmagic Micro Studio Can

The world's smallest HD and Ultra HD that can be remote controlled via SD built in color corrector, talkback, tally lens mount and B4 lens control out from ATEM switchers.

Blackmagic Micro Studio Camera 4K Accessories

NEW



Blackmagic Video Assist 4K

Add professional monitoring and broadcast quality recording to any HD or Ultra HD camera!

\$895

[Buy Now](#)

NEW



Blackmagic 3G-SDI Ardui

Now you can control Blackmag control commands into the SDI



LP-E6 Battery

Order Code:

BATT-LPE6M/CAM

2000 mAH LP-E6 compatible lithium-ion rechargeable battery compatible with Blackmagic Video Assist and Blackmagic Micro Cameras.

\$35

[Buy Now](#)



Micro Studio Camera 4K Expansion Cable

Order Code:

CABLE-STUDCAMMIC

Add 12V power, reference input, LANC, B4 lens control, PTZ control and S.Bus digital servo connections to Micro Studio Camera 4K with this expansion cable.

\$35

[Buy Now](#)

B4 C

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ATEM Live Production Switchers

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Location:



United States



Blackmagic Micro Studio Camera 4K



\$1,295

The Blackmagic Micro Studio Camera 4K is an incredibly tiny Ultra HD resolution camera that can be used in HD and Ultra HD video formats that can be fully controlled from the switcher via the SDI control protocol. Blackmagic Micro Studio Camera 4K includes 6G-SDI connections, built in color corrector, talkback, tally indicator, PTZ control output, built in microphones, backup battery, an adaptable MFT lens mount and B4 lens control output.

Camera Features

Effective Sensor Size

13.056mm x 7.344mm

Shooting Resolutions

3840 x 2160, 1920 x 1080

Lens Mount

Active MFT Mount

Lens Control

Iris, focus, zoom on supported lenses.

Focus

Remote focus control via expansion connector or ATEM Switcher CCU protocols via SDI when using compatible lenses.

Dynamic Range

11 Stops.

Mounting Options

1 x 1/4 inch (top), 3 x 1/4 inch (bottom)

Connections

Total Video Input

1 x SDI.

Total Video Output

1 x SDI, 1 x HDMI Monitoring.

SDI Rates

1.5G, 3G, 6G.

Optical SDI

None.

SDI Audio Output

2 channel embedded audio support in SDI stream.

HDMI Video Output

1 x HDMI Type A output. HDMI output is always HD, up to 1080p60.

HDMI Audio Output

2 channels 48 kHz and 24-bit .

Expansion Port

DB-HD15 serial connector provides support for:
Power input
LANC input
1 x S.Bus channel input
PTZ output
B4 lens control output
Genlock input

Analog Audio Input

1 x 3.5mm jack, mic or line.

Analog Audio Output

1 x 3.5mm headphone jack, supports iPhone microphone for talkback.

Reference Input

Tri-Sync or Black Burst on expansion connector

Screen Dimensions

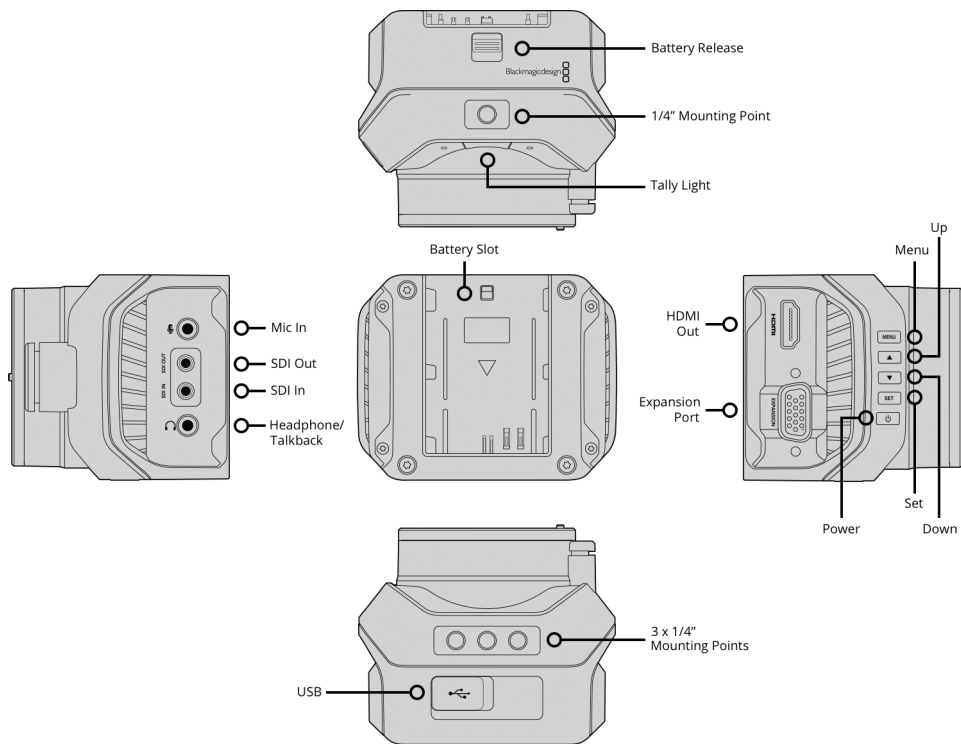
None.

Remote Control

Remote control over SDI via ATEM Switcher CCU protocols or via expansion port using LANC or S.Bus.

Computer Interface

USB Mini-B port for software updates and configuration.



Audio

Microphone

Integrated stereo microphone.

Built-in Speaker

None.

Standards

SD Video Standard

None.

Ultra HD Video Standard

2160p23.98, 2160p24, 2160p25, 2160p29.97 and 2160p30

SDI Audio Sampling

Television standard sample rate of 48kHz and 24-bit

HD Video Standard

1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60, 1080i50, 1080i59.94 and 1080i60

SDI Compliance

SMPTE 292M, SMPTE 424M, Draft SMPTE 2081-1

Media

Media

None.

Media Format

None.

Supported Codecs

Codecs

None.

Control

Controls

5 control buttons including Set, Up, Down, Menu, and Power.

External Control

Blackmagic SDI Control Protocol, 2.5mm LANC connection for lens control. Expansion connector has S.Bus and PTZ.

Color Corrector

Color Corrector

DaVinci YRGB.

Talkback And Tally

Live Tally Indicator

1 x for talent, 1 x for operator.

Talkback

SDI Channels 15 and 16.

Software

Software Included

Blackmagic Camera Setup

Operating Systems



Mac OS X 10.11 El Capitan,
macOS Sierra or later.



Windows 8.1 or
Windows 10.

Power Requirements

Power Supply

1 x External 12V power supply. LP-E6
Lithium-Ion battery included.

Battery Life

Approximately 1 hour 10 minutes

Physical Specifications



Environmental Specifications

Operating Temperature

0° to 40° C (32° to 104° F)

Storage Temperature

-20° to 45° C (-4° to 113° F)

Relative Humidity

0% to 90% non-condensing

What's Included

Blackmagic Micro Studio Camera 4K
 Expansion cable
 LP-E6 battery
 Turret dust cap
 12V AC Adapter
 SD card with software and manual

Warranty

12 Month Limited Manufacturer's Warranty

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 All trademarks are property of their respective owners. MSRP excludes sales taxes/duties and shipping costs.

Blackmagic Design Authorized Reseller



SmartScope Duo 4K



SmartScope Duo 4K looks like a SmartView Duo but adds independent waveform monitoring so you can select between waveform, vectorscope, RGB parade, YUV parade, histogram and audio phase level displays. Each monitor is independent so can display any combination of scope or picture view!

\$795

Connections

SDI Video Input

Automatically switches between SD, HD and 6G-SDI. Reclocked loop through output.

SDI Video Output

1 x 10 bit loop through SD, HD and 6G-SDI switchable.

SDI Audio Input

16 channels embedded in SD, HD and UHD.

SDI Audio Output

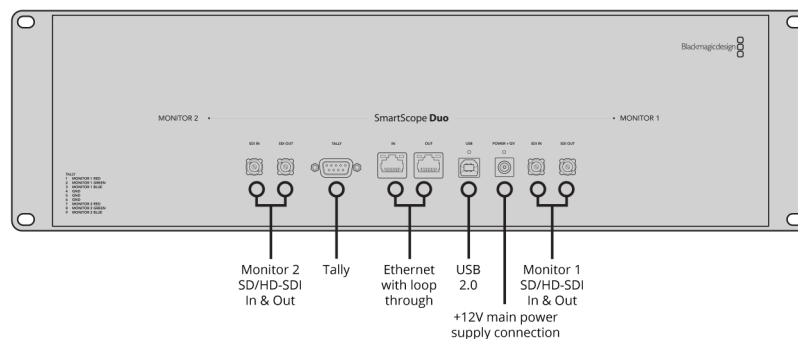
16 channels embedded in SD, HD and UHD.

Multi Rate Support

Standard definition SDI, high definition SDI and 6G-SDI.

Tally

9-pin D connector



Standards

SD Format Support

525i29.97 NTSC, 625i25 PAL

HD Format Support

720p50, 59.94, 60
1080p23.98, 24, 25, 29.97, 30, 50, 59.94, 60
1080PsF23.98, 24, 25, 29.97, 30
1080i50, 59.94, 60

Ultra HD Format Support

2160p23.98, 24, 25, 29.97, 30

SDI Compliance

SMPTE 259M, SMPTE 292M,
SMPTE 296M, SMPTE 372M,
SMPTE 424M Level B and
SMPTE 425M.

Color Precision

8-bit

Color Space

YUV and RGB

Computer Interface

USB 2.0 for software updates and
Ethernet for configuration

2K Format Support

2K DCI 23.98p, 2K DCI 24p, 2K DCI 25p
 2K DCI 23.98PsF, 2K DCI 24PsF,
 2K DCI 25PsF

Audio Sampling

Television sample rate of 48KHz

Colorspace Conversion

Hardware based real time.

Video Sampling

4:2:2 and 4:4:4

Scopes

Luminance Waveform, Vectorscope, RGB Parade, YUV Parade, Histogram, Audio phase and level.

Software

Software Included

Configuration utility for MAC and Windows.

Internal Software Upgrade

Via included firmware updater software.

Physical Installation

3RU

Operating Systems



Mac OS X 10.10 Yosemite,
 Mac OS X 10.11 El Capitan
 or later.



Windows 8.1 or
 Windows 10.

Power Requirements

Power Supply

12V universal power supply included with international socket adapters for all countries.

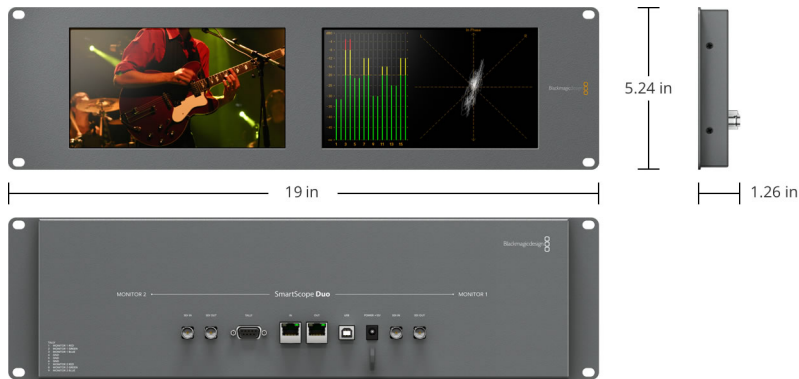
Power Consumption

< 20 Watts

Operational Voltage Range

12V - 15V

Physical Specifications



3.37 lb

Environmental Specifications

Operating Temperature

0° to 40° C (32° to 104° F)

Storage Temperature

-20° to 45° C (-4° to 113° F)

Relative Humidity

0% to 90% non-condensing

What's Included

SmartScope Duo 4K

Power Supply

SD card with software and manual

Warranty

12 Months Limited Manufacturer's Warranty.

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Blackmagic Design Authorized Reseller

Power Requirements

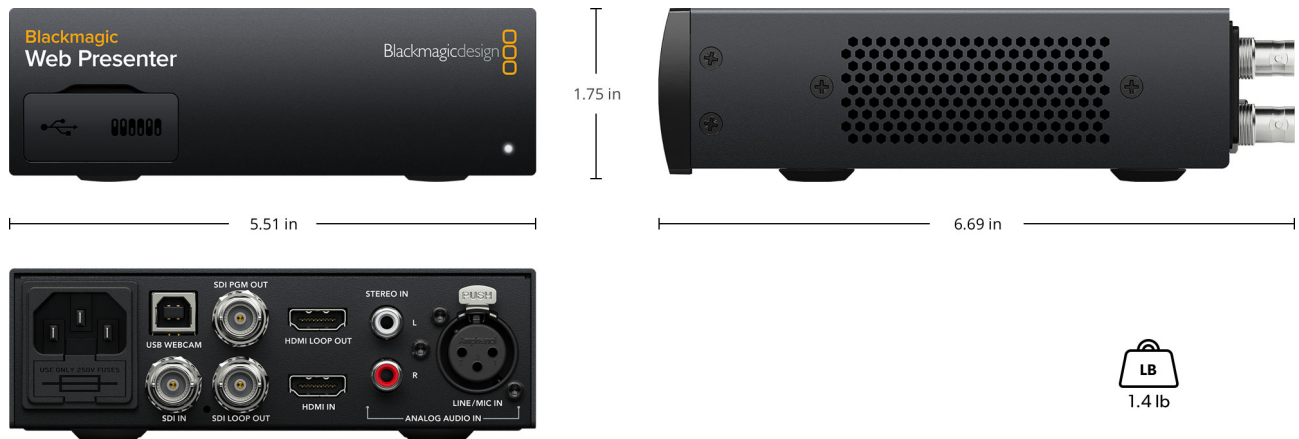
Power Supply

1 x Internal 90-240V AC.

Power Consumption

24 watts

Physical Specifications



Environmental Specifications

Operating Temperature:

5° C to 50° C (41° - 122°F)

Storage Temperature:

-20° to 60° C (-4° to 140° F)

Relative Humidity:

0% to 90% non-condensing

What's Included

Web Presenter

SD card with software and manual

Warranty

3 year Limited Manufacturer's
Warranty.

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Blackmagic Design Authorized Reseller

Blackmagic Web Presenter



\$495

Blackmagic Web Presenter makes any SDI or HDMI video source appear as a USB webcam for higher quality web streaming using software such as Skype or streaming platforms such as YouTube Live, Facebook Live, Twitch.tv, Periscope and more! Blackmagic Web Presenter includes 12G-SDI and HDMI inputs, XLR microphone input, HiFi audio input, Teranex quality down conversion and a 2 input live switcher when used with the optional Teranex Mini Smart Panel.

Connections

SDI Video Inputs

1

SDI Video Outputs

1x program out, 1x loop out.

SDI Rates

270Mb, 1.5G, 3G, 6G, 12G

HDMI Video Inputs

1

HDMI Video Outputs

1x loop out

Analog Video Inputs

None

Analog Video Outputs

None

Analog Audio Inputs

1x XLR. 2 x RCA HiFi.

Analog Audio Outputs

None

Timecode Connection

None

Reference Input

None

RCA

2 X HiFi Analog audio input

XLR

1 X input supporting both microphone and line levels

USB Webcam

1

HDMI 2.0

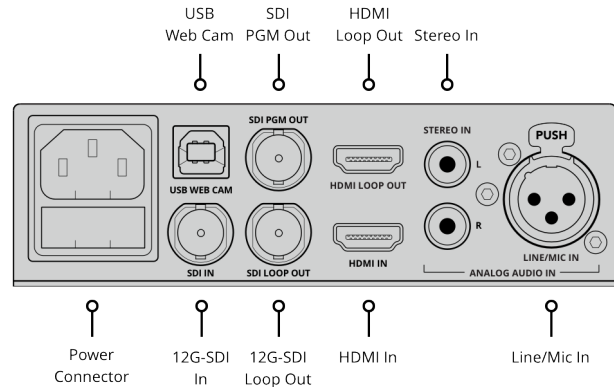
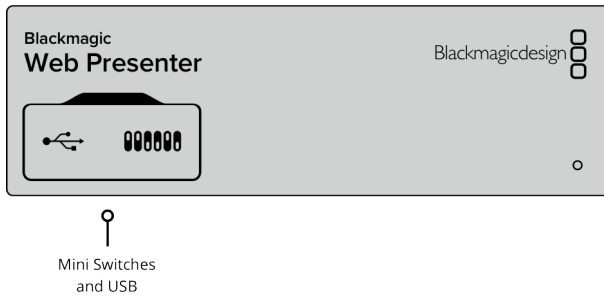
1 X Input, 1 X loop out, (2 channel embedded audio)

USB 2.0

1 X Type B

Mini USB

1 X for software updates



Standards

Streaming Video Standards

720p over USB.

HDMI Video Standards

SD Video Standards

525i59.94 NTSC, 625i50 PAL

HD Video Standards

720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p50,
1080p59.94, 1080p60
1080i50, 1080i59.94, 1080i60

Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p50,
2160p59.94, 2160p60

12G SDI Video Standards

SD Video Standards

525i59.94 NTSC, 625i50 PAL

HD Video Standards

720p50, 720p59.94, 720p60
1080p23.98, 1080p24, 1080p25,
1080p29.97, 1080p30, 1080p50,
1080p59.94, 1080p60
1080PsF23.98, 1080PsF24,
1080PsF25, 1080PsF29.97, 1080PsF30
1080i50, 1080i59.94, 1080i60

2K Video Standards

None

Ultra HD Video Standards

2160p23.98, 2160p24, 2160p25,
2160p29.97, 2160p30, 2160p50,
2160p59.94, 2160p60

4K Video Standards

None

Hardware Frame Buffer

Supports any USB UVC and UAC
webcam video drivers.

Computer Capture

USB webcam for Mac, Windows, Linux and any operating system that supports 720p HD webcams.

Control

Basic Settings Control

Mini Switches.

Built in Control Panel

None. Supports Teranex Mini Smart Panel with 2.2 inch color display for video preview, audio meters and status.

Optional Front Panel Control

Front mounted Smart Panel with LCD, rotary knob and six settings buttons

Device Control

None

Software

Compatible Services and Software

YouTube Live, Facebook Live, Twitch.tv, Periscope, Skype, Open Broadcaster and XSplit Broadcaster.

Operating Systems



Mac OS X 10.11 El Capitan, macOS Sierra or later.



Linux



Windows 8.1 64-bit or Windows 10 64-bit.



Chrome OS



The Professional's Source

Government, Education, and Corporate Department

For Pricing Requests, Purchase Orders, and Customer Service:

10.3.b

Phone: 800-947-8003
212-239-7503

Fax: 800-858-5517
212-239-7759

Email: Education: emailbids@bhphoto.com
Corporate: corporatesales@bhphoto.com

Federal Government: gsa@bhphoto.com
State and Local: biddept@bhphoto.com

420 Ninth Avenue, New York City, NY 10001 • www.bhphotovideo.com

Prices Are Valid Until:

09/05/17

Bid No.: 689639130

Reference No.: NIPA2016P

Sold To: David Hess
City Of Pekin - IL
111 S Capitol St
PEKIN, IL 61554

Ship To:
City Of Pekin - IL
111 S Capitol St
PEKIN, IL 61554

Bill Phone: (309)478-5382

(309)478-5382

Date	Customer Code	Terms	Salesperson	Ship Via
08/22/17	83901194	N/A	WB	MULTIPLE
Qty Ord	Item Description	SKU# MFR#	Item Price	Amount
3	CANARE L-5CFW HD-SDI VID CBL BNC(M-R/AtoM)50'/REG	CA6HSVBRA50 (CA6HSVBRA50)	69.69	209.0
3	CANARE L-5CFW HD-SDI VID CBL BNC(M-R/AtoM)50'/REG	CAHSVBRA50RD (CAHSVBRA50RD)	69.69	209.0
6	CANARE L-5CFW HD-SDI VID CBL BNC(M-R/AtoM)2'/REG	CA6HSVBRA2 (CA6HSVBRA2)	21.05	126.3
7	SHURE CVL CENTRAVERSE LAVALIER CONDENSER MIC/REG	SHCVLBCTQG (CVLBCTQG)	33.59	235.1
2	SHURE 8-CH NETWORK INTERFACE/REG	SHMXWANI8 (MXWANI8)	911.99	1,823.9
7	SHURE BODYPACK XMITTER w/MIC/4P MINI CONNCTR/REG	SHMXW1 (MXW1OZ10)	408.00	2,856.0
2	SHURE 8-CH ACCESS POINT TRANSCEIVER/REG	SHMXWAPT8Z10 (MXWAPT8Z10)	2,489.00	4,978.0
5	SHURE DESKTOP BASE TRANSCEIVER/REG	SHMXW8Z10 (MXW8Z10)	424.00	2,120.0
3	PANASONIC G X VARIO PZ 14-42mm/F3.5-5.6 ASPH(SLV/REG	PA144235XS (HPS14042S)	345.00	1,035.0
	Manufacturer's Rebate Free Item			

Continued on Next Page ...

Customer Copy

Packet Pg. 121

Attachment: BH_689639130 (1155 : Council Chamber Audio/Video Upgrades)

Federal ID#: 13-2768071



The Professional's Source

Government, Education, and Corporate Department

For Pricing Requests, Purchase Orders, and Customer Service:

10.3.b

Phone: 800-947-8003
212-239-7503

Fax: 800-858-5517
212-239-7759

Email: Education: emailbids@bhphoto.com
Corporate: corporatesales@bhphoto.com

Federal Government: gsa@bhphoto.com
State and Local: biddept@bhphoto.com

420 Ninth Avenue, New York City, NY 10001 • www.bhphotovideo.com

Bid No.: 689639130

Date	Customer Code	Terms	Salesperson	Ship Via
08/22/17	83901194	N/A	Slsm	MULTIPLE

Qty Ord	Item Description	SKU# MFR#	Item Price	Amount
3	BLACKMAGIC MICRO STUDIO CAMERA 4K/REG	BLMCRSTCAM (CINSTDMFTUHD)	1,108.00	3,324.00
1	BLACKMAGIC SMARTVIEW STUDIO 2-LCD MON/REG	BLSVD (HDLSTMTVDUO2)	429.00	429.00
1	BLACK-MAGIC TERANEX MINI - RACK SHELF/REG	BLTERMRS (CONVNTRMYS)	74.00	74.00
1	BLACK-MAGIC ATEM PRODUCTION STUDIO 4K SWITCHR/REG	BLATEMPS4K (SWATEMPSW04K)	1,448.00	1,448.00
1	BLACK-MAGIC WEB PRESENTER/REG	BLWEBPTR (BDLKWEBPTR)	429.00	429.00
3	SHURE 8-CH NETWORKED CHARGING STATION/REG	SHMXWNCS8 (MXWNCS8)	1,297.00	3,891.00
2	SHURE SCM820 INTELLIMIX AUTOMATIC MXR /DANTE/REG	SHSCM820DAN (SCM820DAN)	1,779.00	3,558.00
1	RAXXESS 10-32x3/4" RACK SCREWS/WASHERS - 25pc/REG	RAPTSW25 (PTSW25)	3.71	3.71
3	PELCO LIGHT-DUTY J-MT FEEDTHROUGH/SWIVL HEAD/REG <i>This Is A Special Order Item, And Is Not Returnable.</i>	PECM4450 (CM4450)	94.47	283.41
5	SHURE MX410/C 10" GOOSNECK CARD MIC/REG	SHMX410C (MX410C)	229.00	1,145.00

Continued on Next Page ...

Customer Copy

Packet Pg. 122

Attachment: BH_689639130 (1155 : Council Chamber Audio/Video Upgrades)

Federal ID#: 13-2768071

BH_quote



The Professional's Source

Government, Education, and Corporate Department

For Pricing Requests, Purchase Orders, and Customer Service:

10.3.b

Phone: 800-947-8003
212-239-7503

Fax: 800-858-5517
212-239-7759

Email: Education: emailbids@bhphoto.com
Corporate: corporatesales@bhphoto.com

Federal Government: gsa@bhphoto.com
State and Local: biddept@bhphoto.com

420 Ninth Avenue, New York City, NY 10001 • www.bhphotovideo.com

Bid No.: 689639130

Date	Customer Code	Terms	Salesperson	Ship Via
08/22/17	83901194	N/A	Slsm	MULTIPLE

Qty Ord	Item Description	SKU# MFR#	Item Price	Amount
PLEASE NOTE: ----- **** Please reference your BID number on all PO's **** Certain items may be enforced by vendor to sell at the vendor-imposed price posted at the time of order.				

Payment Type -

NO PAYMENT TYPE SELECTED

- Amount

Sub-Total: 28,177.67

Shipping: Free STN

Total: 28,177.67

Attachment: BH_689639130 (1155 : Council Chamber Audio/Video Upgrades)

Customer Copy

Packet Pg. 123

Federal ID#: 15-2768071

BNH_quote



City of Pekin

REGULAR COUNCIL MEETING MONDAY, MAY 9, 2016

5:30 P.M.

	1	2
1.0 CALL TO ORDER		
2.0 PLEDGE OF ALLEGIANCE <i>Mayor John McCabe</i>		
3.0 ROLL CALL <i>Clerk to Call the Roll</i>		
4.0 APPROVAL OF AGENDA <i>ACTION: Motion to approve the meeting agenda.</i> <i>VOTE REQUIRED</i>		
5.0 APPROVAL OF MINUTES <i>ACTION: Motion to approve minutes of the Regular Council Meeting of April 25, 2016.</i> <i>VOTE REQUIRED</i>		
6.0 PUBLIC INPUT		
7.0 CONSENT AGENDA		
7.1 Receive and File Monthly Reports and Minutes: Police Department February and March Reports; Electrical April Report; Tazewell County Animal Control April Report; and Liquor Commission Minutes dated April 28, 2016.		5
7.2 Resolution No. 24-16/17 - Annual Appointments 2016-2017.		5
7.3 Proclamations: “Municipal Clerks Week” May 1-7, 2016 “National Public Works Week” May 15-21, 2016		5
7.4 Receive and File mcp Midwest Computer Products, Inc. Proposal in response to RFP for City Council Chambers Video Projection, Presentation, and Broadcast Equipment Upgrade.		5
<i>ACTION: Motion to approve all items listed on the Consent Agenda by Omnibus Vote.</i> <i>VOTE REQUIRED TO APPROVE CONSENT AGENDA</i>		
8.0 COMMUNICATIONS, PETITIONS, REPORTS		
9.0 NEW BUSINESS		

Attachment: Council Packet from 5.9.2016 (1155 : Council Chamber Audio/Video Upgrades)

9.1 Agreement with Hanson Engineering/IDOT C15-4446 DESCRIPTION: Approve design services agreement for the project to replace taxiway lighting and associated electrical regulator in the amount not to exceed \$76,348.00. VOTE REQUIRED	MG	3
9.2 ReviZe• Software Systems DESCRIPTION: Council approval of the request for proposal and quote for Website Re-design in the amount of \$28,700.00 1 st year with annual maintenance of \$5,900.00 thereafter. VOTE REQUIRED	SN	5
9.3 Renewal of Contract with the Pekin Housing Authority for the Rehab Coordinator Position DESCRIPTION: Council approval of the Housing Rehabilitation consulting contract with the Pekin Housing Authority from Community Development Block Grant allocation (CDBG). VOTE REQUIRED	PA	4
10.0 ANY OTHER BUSINESS TO COME BEFORE THE COUNCIL		
11.0 EXECUTIVE SESSION 5 ILCS 120/2 (c)		
12.0 ADJOURN NO VOTE REQUIRED		

Column 1 Key:

SN Sarah Newcomb Interim City Manager MG Michael Guerra City Engineer
PA Pamela Anderson Community Development Director

Column 2 Key:

- 1 A Prosperous Community.** To promote and sustain a balanced economy that supports expansion and retention of family-wage jobs.
- 2 A Safe Community.** To protect community life and property by providing effective, principled police and fire services.
- 3 A Strong Foundation.** To improve and maintain existing infrastructure and leverage opportunities for new infrastructure.
- 4 A High Quality of Life.** To support or provide services that improve the quality of life for Pekin's residents.
- 5 An Effective Government.** To deliver effectively the services that Pekin's residents want, need, and are willing to support.



City of Pekin

To: Pekin City Council

From: Technology Committee

Date: April 20, 2016

Re: AV Equipment

City Council Chambers Video Projection, Presentation, and Broadcast Equipment Upgrade

On April 15th the City of Pekin received one proposal in response to the RFP for Council Chamber A/V upgrades. That proposal was from MCP of West Chicago, IL for the amount of \$90758.22 to upgrade the video recording, playback, projection of presentations and audio upgrades. It also included optional items to increase viewability in the chambers for both Council and attendees. It also included a control system that would allow the Manager or Mayor to initiate presentations from their designated positions. Those options brought the total up to \$122,825.11.

Based on this proposal, the limited budget availability and cost to viewer ratio it is our recommendation that we make the best of what we have stance. Most of the audio issues can be overcome by diligent attention to speaking distance from the microphones and the playback quality issues can be slightly mitigated by judicious use of meeting time. When compressing a 3 hour or longer meeting on a two hour DVD there is quality loss due to the compression needed. We can pursue streaming all meetings to a Web Service like U-Stream and stop rebroadcast on Channel 22 but that leaves out residents who do not own a computer. Ultimately it is the Council's decision as they will incur the public's comments no matter which direction is taken.

Attachment: Council Packet from 5.9.2016 (1155 : Council Chamber Audio/Video Upgrades)



Request for Proposals & Quotes

City Council Chambers
Video Projection, Presentation, and Broadcast Equipment Upgrade

March 15, 2016
City of Pekin, IL



April 15, 2016

Proposal Submitted by:
Midwest Computer Products, Inc.
33W512 Roosevelt Road
West Chicago, IL 60185
Tel: 800-231-1199 or 630-232-0010
Email: sales2@midwestcomputer.com
Primary Contact: Daniel Jones, x126



MIDWEST COMPUTER PRODUCTS, INC.

33w512 Roosevelt Rd
West Chicago, IL 60185
630-232-0010 phone
630-232-0559 fax

April 15, 2016

City of Pekin
111 S. Capitol St. Pekin, IL 61554

Project: Council Chambers

Project Summary

The city of Pekin is seeking to refresh and upgrade the technology for their council chambers to achieve a high definition quality recording, presentation, projection and broadcasting system. The city of Pekin has also specified system ease of use as a priority.

System Overview

System Description

Council Chambers

- Functionality Description: The council chambers is where the city council meetings are held and where public city business is held as well as committee and other meetings. The space is also used for conference calls, webinars, and other presentations. The space is used by city officials as well as additional users supported by the city IT department
- Source Devices: Laptop located at podium in center of room Display System:
 - 3 HD PTZ cameras will be installed. 1 will be installed in the front of the chambers and 2 will be installed in the rear left and rear right of the chambers. Cables will be run to control room in rear and will be controlled through a 22" touch screen monitor in the control room.
 - A 5500 lumen LCD projector native WUXGA (1920x1200) with 4K Enhancement Technology and wireless connectivity will be installed in the existing projector cabinet. Digital cables will be run from projector under floor to center of room to auto switching source plate in existing floor box.
 - A recessed ceiling electric screen with 16:10 widescreen format will be installed in place of the existing recessed ceiling screen.
 - An HD recording device will be installed in the existing rack in the control room. It will replace existing system of DVD recording and will have the capability to broadcast audio/video and save file for rebroadcast via feed on city website.



Attachment: Council Packet from 5.9.2016 (1155 : Council Chamber Audio/Video Upgrades)

Audio System:

- A refreshed audio system will be installed, replacing 7 existing ceiling recessed speakers with new recessed ceiling speakers. New audio cable will be provided and run from speakers to existing audio equipment in rack in A/V room. Capability for audio from computer input on podium will be included. Existing microphones and Gentner assisted listening system will be used.



Wireless Microphone Option:

- 7 wireless lavalier microphones with bodypack and tie clip and 7 Shure wireless gooseneck microphones with base will be included with wireless microphone receivers and 4-way active antenna combiner. A wall mounted wideband antenna will be mounted in council chambers.



Additional Displays Option:

- 2 55" high performance LCD commercial grade displays with integrated speakers will be installed. 1 will be mounted on wall in lobby area for overflow from meetings. 1 will be ceiling mounted next to column in council chambers and cables will be run through ceiling to control room.



Control System Option:

- A control system with 9" docking touch screen will be installed allowing control of the projector, lighting, screen and 2 displays (1 in lobby and 1 in chambers). Phase adaptive dimmer switches and low voltage control wall switch for the screen are included for licensed electrician



Dais Monitors Option:

- 5 22" monitors will be installed on the council chambers dais with tilt adjusting monitor stands that will give a low profile. Digital cables will be run from each monitor to HDMI/Twisted pair transmitter and HDMI/Twisted pair receiver will be mounted in rack.



Leasing Option:

- Leasing information will be available once decision has been made on system and options.

Installation Exclusions – The following work is **not included in our Scope of Work**

- Any necessary ceiling modifications for the projector and screen including T-Bar refinishing.
- Ceiling tile replacement and or repair.
- Any RJ45 terminations.
- All conduits, high voltage wiring panels, breakers, relays, boxes, receptacles, etc.
- Concrete saw cutting and/or core drilling.
- Fire wall, ceiling, roof and floor penetration.
- All millwork (moldings, trim, cut outs, etc.).
- Furniture modifications (table cuts, credenza cuts, etc.).
- Painting and patching.
- Permits (unless specifically provided for and identified within the contract).

Client Responsibilities

- Providing all required permits and passes for MCP personnel.
- All AC power, including power cabling, equipment, receptacles, floor boxes, risers, conduit between risers, raceways, etc., will be furnished, installed and made available at MCP required locations by others.
- All Network configurations including IP addresses are to be provided, operational and functional before integration begins. MCP will not be responsible for testing the LAN connections.
- Cable or Satellite drops must be in place with converter boxes operational before the completion of integration.
- There is a temporary secure storage area for equipment during a multiple-day integration.
- Scheduling all necessary employees for system training.

Assumptions – if these prove false a Change Order will be required

- There is sufficient accessibility and space in ceiling area for infrastructure support hardware.
- Any owner furnished equipment shall be available to display and test system audio/video connections and will integrate with the purchased equipment and system(s).
- Any owner-furnished equipment shall be in good working order. Cost to repair or replace defective equipment shall be in addition to the proposed cost herein.
- This proposal, if applicable, is based upon the re-utilization of existing cabling and/or equipment, which is assumed to be in proper operating condition. In the event that it is determined that the existing cabling and/or equipment is not in proper operating condition, MCP will submit a proposal for the additional costs to furnish and install new cabling and/or equipment where required.
- All above ceiling cable runs are assumed to have an unobstructed path from end to end unless otherwise noted. Any walls, beams, etc. discovered during the installation process necessitating additional unplanned labor and time will result in a change order with additional costs.
- If consumer grade flat panel displays (TVs) are specified by the end user as part of the integration project and they prove to be defective or incompatible with the proposed system, a return charge of \$ 350.00 per TV will be assessed to correct the problem.
- There is ready access to the building / facility and the room(s) for equipment and materials.
- This proposal is based on a continuous work cycle, with no delays, performed during normal working hours. Monday through Friday, excluding company holidays.
- Work is to be performed at City of Pekin Council Chambers in Pekin, IL.

- Document review / feedback on drawings / correspondence will be completed by the Customer within two business days.
- In developing a comprehensive proposal for equipment and integration services MCP's Sales Representatives and Engineering teams must make some assumptions regarding the physical construction of your facility, the availability of technical infrastructure and site conditions for installation. If any of the conditions we have indicated in the Site Survey form are incorrect or have changed for your particular project or project site, please let your Sales Representative know as soon as possible. Conditions of the site found during integration effort which are different from those documented may have an effect on the price of the system solution, integration or services. To ensure that you have an accurate proposal based on your facility and specific to the conditions of your project, please review all project documentation carefully.
- The documented Change Control process will be used to the maximum extent possible – the Client will have an assigned person with the authority to communicate/approve project Field Directed Change Orders and Contract Change Orders.
- Manufacturer equipment latest firmware updates will be performed during the course of the installation. No Manufacturer firmware will be incorporated after Substantial Completion (equipment/room available for Client's functional use) has been achieved. Further firmware updates are the Client's responsibility or MCP can be contracted on a time and materials basis to perform further updates. It should be noted that a firmware update on one piece of equipment may require other items to be updated as well in order to maintain system integrity and optimum functionality.
- Power is run and available at locations displays will be mounted.

Implementation Standards

MCP will follow a foundational project management process which may include the following actions/deliverables (based on the size/complexity/duration of the integration project):

Project Management: MCP shall coordinate:

- Developing a project schedule (with Client and MCP milestones).
- Staging equipment and materials at shop and installation site.
- Submittals of operator manuals of all equipment documentation.
- Installation supervision.
- Substantial Completion (room available for use)
- Completion of final punch list items.

On-Site Installation shall include:

- Pulling, bundling and terminating audio and control cables.
- Installing structural systems for audiovisual equipment.
- Software/hardware testing.
- Adjusting and balancing audio gain as required.
- Assuring the finished system meets the design criteria and functions per the design concept.
- Site cleanup and disposal, etc.
- Completion of final punch list items.

Amendments of Design or Contract:

- Any changes made to the design of the system or the contractual agreements in implementation or functionality will require a "Contract Change Order" form signed by an authorized decision maker for the Client.

- Any price changes that should follow an amendment will be reflected on the final bill unless otherwise stated or agreed upon by MCP and the client.
- It is understood by the Client that any changes made may affect delivery time tables and work schedules.

Knowledge Transfer (Training)

This is geared specifically towards the end-user / operator. The purpose of this knowledge transfer is to provide operators with the necessary knowledge to confidently and comfortably operate all aspects of the integrated system. Areas covered include the following:

- Equipment and system overview
- Equipment operation and function
- Equipment start up, stop, and shut Down
- Equipment automatic and manual operation
- Discussion and documentation relating to control system operation
- Discussion and documentation relating to system processor and its control applications
- Powering up, powering down AV system via control system
- Manual operation of display systems, audio system and all other related components
- Use/operation of patch panels, when and where to be used
- Who to call when help is required

Payment Terms

Payment shall be 50% down payment upon acceptance of the design with remaining 50% due 15 days after system commissioning. Cancellation of this project prior to completion will result in restocking charges for all equipment and materials.

Equipment List

Qty	Manufacture	Description
		Pro G7400UNL WUXGA 3LCD Video Projector without Lens, Native Resolution: WUXGA (1920 x 1200) w/ 4K Enhancement Technology, Brightness: 5500 lumens
1	Epson	
1	Epson	Wireless LAN (802.11 bgn) Module
1	Epson	Middle Throw Zoom Lens #2
		Advantage Deluxe Electrol Ceiling Recessed Electric Screen, 16:10 Aspect Ratio, 72.5" x 116" Viewing Area, 137" Diagonal, Matte White Surface, Standard Low Voltage Control (LVC), White powder-coated closure doors,
1	Da-Lite	Decora-style three-button wall switch
3	Vaddio	RoboSHOT 30 QCCU System
1	Vaddio	ProductionVIEW HD-SDI MV
1	Vaddio	TeleTouch 22" HD Touch Screen LCD Monitor with Base
	Middle	3 SPACE (5-1/4"), LCD PANEL MOUNT, VESA PATTERN, TILT
1	Atlantic	MECHANISM, BLACK
1	MediaPointe	2RU DMR HD High Definition Video Recorder
1	MediaPointe	Remote Maintenance 1Yr. For DMR HD
1	MediaPointe	Remote Set-Up For DMR HD
		2-Gang Active Wall Plate – 4K UHD HDMI & Computer Graphics with Ethernet, Bidirectional RS-232 & Stereo Audio over HDBaseT Transmitter (White)
1	Kramer	

1	Kramer	4K UHD HDMI, Bidirectional RS-232 & IR over HDBaseT Twisted Pair Receiver
1	Kramer	HDMI Audio De-Embedder
2	Kramer	HDMI, Bidirectional RS-232 & IR over Twisted Pair Transmitter
2	Kramer	1RU 19-Inch Rack Adapter for TOOLS™ (Holds Three Units)
2	Kramer	HDMI, Bidirectional RS-232 & IR over Twisted Pair Receiver
1	Kramer	1:2 4K UHD HDMI Distribution Amplifier
1	Kramer	1RU 19-Inch Rack Adapter for MegaTOOLS (Holds Two Units)
1	Kramer	HDMI, PC and CV to DVI-D Switcher / Scaler
1	Kramer	10-Port Dual Voltage DC Power Supply
1	Kramer	VGA to Composite Video Scan Converter
2	Kramer	1RU 19-Inch Rack Adapter for Selected Desktop & MultiTOOLS® (Holds Two Units)
1	Kramer	1RU 4x8 HDMI Matrix Switcher
1	RDL	Passive Combiner
1	RDL	Passive Divider
1	C2G	VGA and 3.5mm Audio Pass Through Decora Style Wall Plate - White
1	C2G	HDMI Pass Through Decora Style Wall Plate - White
1	Middle Atlantic	1RU, Panel, Accepts 2 Decora Devices
1	Netgear	1RU 16-Port Ethernet Switch
7	JBL	Recessed Ceiling Loudspeaker
1	Kramer	2' 15-Pin HD (M) to 15-Pin (M) Micro VGA Cable
2	Kramer	3' 15-pin HD (M) to 15-pin HD (M) & 3.5mm Stereo Audio Micro VGA Cable
1	Kramer	6' 15-pin HD (M) to 15-pin HD (M) & 3.5mm Stereo Audio Micro VGA Cable
1	Kramer	3' 3.5mm (M) to 2 RCA (M) Breakout Cable
1	Kramer	6' 1 RCA (M) to 1 RCA (M) Molded Cable
1	Kramer	2' 2 RCA (M) to 2 RCA (M) Molded Audio Cable
1	Kramer	6' 2 RCA (M) to 2 RCA (M) Molded Audio Cable
2	Kramer	2' Flexible High-Speed HDMI Cable
8	Kramer	3' Flexible High-Speed HDMI Cable
1	Kramer	6' Flexible High-Speed HDMI Cable
1	Kramer	10' Flexible High-Speed HDMI Cable
1	Kramer	15' Flexible High-Speed HDMI Cable
3	Kramer	10' 1 BNC (M) to 1 BNC (M) RG-6 Video Cable
2	Kramer	3' HDMI (M) to DVI (M) Cable
1	Kramer	10' Flexible DVI Cable
1	Kramer	BNC (M) to RCA (F) Adapter
1	Kramer	Bulk Shielded CAT 6 + Four Pair F/UTP Data Cable 23 AWG - Plenum Rated
8	Kramer	Crimp Style Shielded RJ-45 Connector for CAT 6 23AWG Twisted Pair Cable
6	C2G	3ft Cat5e Non-Booted Unshielded (UTP) Network Patch Cable - Black
3	C2G	10ft Cat5e Non-Booted Unshielded (UTP) Network Patch Cable - Green
1	C2G	15ft Cat5e Non-Booted Unshielded (UTP) Network Patch Cable - Black
1	Liberty AV	Category 5e U/UTP EN series 24 AWG 4 pair unshielded plenum cable
1	Liberty AV	High-performance EZ-strip broadcast audio 22 AWG 1 pair shielded plenum cable
3	BTX	DB9 Male Connector to Terminal Block
4	BTX	DB9 Female Connector to Terminal Block
7	BTX	DB9 Plastic Hood with Thumbscrews

Option #1 (55" LCD Displays)

2	NEC	55" High-Performance LED Backlit Commercial-Grade Display w/ Integrated Speakers
1	Chief	Large Fusion Micro-Adjustable Tilt Wall Mount
1	Chief	FUSION™ Large Flat Panel Ceiling Mount
1	Chief	3-5' Adjustable Extension Column, White SITE VERIFICATION REQUIRED
1	Chief	6" (152 mm) Ceiling Plate, White
1	Chief	Decorative Ring, 1.9" ID, CMS/CPA Fixed/Inner Adjustable Column, White

Option #2 (Wireless Microphones)

7	Shure	1RU Lavalier Wireless Microphone System Includes WL185 lavalier microphone, SLX1 bodypack transmitter, SLX4 receiver, tie clip, rackmount kit, two 1/4 wave antennas, power supply, 2 AA batteries, protective bumpers with 8 screws, vinyl bag, and user guide. 15" (38.1 cm) gooseneck microphone, less preamp, bi-color status indicator (cardioid polar pattern)
7	Shure	Microflex Wireless Microphone Desktop Base
7	Shure	
7	Shure	1RU Single-Channel Diversity Wireless Microphone Receiver
5	Shure	1RU Four-Way Active Antenna Combiner (Includes all necessary interconnect cables) 50' Antenna Cable
2	Shure	
2	Shure	Wall-Mounted Wideband Antenna
14	ProCo Sound	NC3FX-STRIPPED/TINNED END 2FT

Option #3 (Dais Displays)

5	NEC	22" LED-backlit Eco-Friendly Widescreen Monitor
5	Ergotron	Neo-Flex® Monitor Stand. Provides an incredible 115 degrees of tilt adjustment while simultaneously controlling monitor height.
1	Kramer	HDMI over Twisted Pair Transmitter
1	Kramer	HDMI over Twisted Pair Receiver
1	Extron	HDMI DA6 Six Output HDMI Distribution Amplifier
1	Extron	MBU 123 Low-Profile Mount Kit
2	Kramer	2' Flexible High-Speed HDMI Cable
1	Kramer	3' HDMI (M) to DVI (M) Cable
2	Kramer	10' HDMI (M) to DVI (M) Cable
2	Kramer	15' HDMI (M) to DVI (M) Cable

Option #4 (Control System)

1	AMX	1RU NX-3200 NetLinx® NX Integrated Controller
1	AMX	PSR4.4 13.5 VDC, 4.4 A Power Supply with 3.5 mm Phoenix Connector with Retention Screws
1	AMX	MVP-9000i-GW, White 9" Modero® ViewPoint® Wireless Touch Panel
1	AMX	MVP-WDS-9-GW, Gloss White Wall/Flush Mount Docking Station for 9" Modero® Wireless Touch Panel
1	AMX	NXA-WAP-R500-US Smart Wireless Access Point
2	AMX	PS-POE-AT-TC High Power PoE Injector, 802.3AT Compliant
3	AMX	CCD-6NA-WH Clear Connect™ Phase Adaptive Dimmer (Decora)
1	AMX	ALD-CW-1 1-Gang Claro Wallplate
1	AMX	ALD-CW-3 3-Gang Claro Wallplate

1	AMX	NXB-CCG NetLinx® Clear Connect™ Gateway. Power Supply Included for NXB-CCG (FG2606) 434 MHz NetLinx Clear Connect Gateway, U.S. and Canada Only: 5VDC Adapter (WA-10J05FU)
1	AMX	NXV-300 Modero® Virtual Touch Panel
1	AMX Parts	PS-POE-AF-TC PoE Injector, 802.3AF Compliant
1	Express	Decora Type Insert Blank White
1	Da-Lite	Single Motor Low Voltage Control with Wall Switch

Project Schedule

Length of time to complete the project is 1 week of continuous availability. Scheduling installation is determined on equipment availability at time contract is awarded.

Main System Base Bid Pricing	
<u>Display System</u>	\$58726.19
<u>Display System Infrastructure Connectivity</u>	\$850.39
<u>Audio System</u>	\$1178.10
<u>Audio System Infrastructure Connectivity</u>	\$272.47
<u>Engineering / Documentation / Labor / Training</u>	\$13040.00
<u>Freight</u>	\$400.00
<u>Main System Base Bid Total</u>	\$74467.15

Wireless Microphones Option	
<u>System</u>	\$13358.67
<u>Infrastructure Connectivity</u>	\$1106.40
<u>Engineering / Documentation / Labor</u>	\$1696.00
<u>Freight</u>	\$130.00
<u>Wireless Microphone Total</u>	\$16291.07

Additional Displays Option	
<u>System</u>	\$3632.94
<u>Infrastructure Connectivity</u>	\$701.51
<u>Engineering / Documentation / Labor</u>	\$848.00
<u>Freight</u>	\$120.50
<u>Additional Displays Total</u>	\$5302.95

Control System Option	
<u>System</u>	\$6656.25
<u>Infrastructure Connectivity</u>	\$2537.59
<u>Engineering / Documentation / Labor</u>	\$2120.00
<u>Programming</u>	\$8480.00
<u>Programming:</u> Additional programming if Displays Option is accepted	\$2120.00
<u>Freight</u>	\$70.00
<u>Control System Total</u>	\$21983.84

Dais Monitors Option	
<u>System</u>	\$1271.24
<u>Infrastructure Connectivity</u>	\$1762.86
<u>Engineering / Documentation / Labor</u>	\$1696.00
<u>Freight</u>	\$50.00
<u>Dais Monitors Total</u>	\$4780.10
 <u>Grand Total</u>	 \$122,825.11

Accepted By: _____ Date: _____

Print Name: _____

Sincerely,
Midwest Computer Products, Inc.
Daniel Jones CTS Sales Representative



Video Projection, Presentation and Broadcast Equipment

Qty	Manufacture	Model	Description
1	Epson	V11H762920	Pro G7400UNL WUXGA 3LCD Video Projector without Lens, Native Resolution: WUXGA (1920 x 1200) w/ 4K Enhancement Technology, Brightness: 5500 lumens
1	Epson	V12H418P12	Wireless LAN (802.11 bgn) Module
1	Epson	V12H004M09	Middle Throw Zoom Lens #2
1	Da-Lite	70099	Advantage Deluxe Electrol Ceiling Recessed Electric Screen, 16:10 Aspect Ratio, 72.5" x 116" Viewing Area, 137" Diagonal, Matte White Surface, Standard Low Voltage Control (LVC), White powder-coated closure doors, Decora-style three-button wall switch
3	Vaddio	999-9917-000	RoboSHOT 30 QCCU System
1	Vaddio	999-5655-000	ProductionVIEW HD-SDI MV
1	Vaddio	999-5520-022	TeleTouch 22" HD Touch Screen LCD Monitor with Base
1	Middle Atlantic	RM-LCD-PNLK	3 SPACE (5-1/4"), LCD PANEL MOUNT, VESA PATTERN, TILT MECHANISM, BLACK
1	MediaPointe	40320401	2RU DMR HD High Definition Video Recorder
1	MediaPointe	40320401-RM	Remote Maintenance 1Yr. For DMR HD
1	MediaPointe	40320401-RS	Remote Set-Up For DMR HD
1	Kramer	WP-20(W)	2-Gang Active Wall Plate - 4K UHD HDMI & Computer Graphics with Ethernet, Bidirectional RS-232 & Stereo Audio over HDBaseT Transmitter (White)
1	Kramer	TP-580R	4K UHD HDMI, Bidirectional RS-232 & IR over HDBaseT Twisted Pair Receiver
1	Kramer	FC-46xl	HDMI Audio De-Embedder
2	Kramer	TP-573	HDMI, Bidirectional RS-232 & IR over Twisted Pair Transmitter
2	Kramer	RK-3T	1RU 19-Inch Rack Adapter for TOOLS™ (Holds Three Units)
2	Kramer	TP-574	HDMI, Bidirectional RS-232 & IR over Twisted Pair Receiver
1	Kramer	VM-2UHD	1:2 4K UHD HDMI Distribution Amplifier
1	Kramer	RK-T2B	1RU 19-Inch Rack Adapter for MegaTOOLS (Holds Two Units)
1	Kramer	VP-439	HDMI, PC and CV to DVI-D Switcher / Scaler
1	Kramer	VA-102P512	10-Port Dual Voltage DC Power Supply
1	Kramer	VP-701xl	VGA to Composite Video Scan Converter
2	Kramer	RK-1	1RU 19-Inch Rack Adapter for Selected Desktop & MultiTOOLS® (Holds Two Units)
1	Kramer	VS-48HN	1RU 4x8 HDMI Matrix Switcher
1	RDL	TX-J2	Passive Combiner
1	RDL	TX-A2	Passive Divider
1	C2G	37091	VGA and 3.5mm Audio Pass Through Decora Style Wall Plate - White
1	C2G	41043	HDMI Pass Through Decora Style Wall Plate - White
1	Middle Atlantic	DECP-1X2	1RU, Panel, Accepts 2 Decora Devices
1	Netgear	GS116NA	1RU 16-Port Ethernet Switch

City of Pekin - Council Chambers
Video Projection, Presentation and Broadcast Equipment



7	JBL	Control 26CT	Recessed Ceiling Loudspeaker
1	Kramer	C-MGM/MGM-2	2' 15-Pin HD (M) to 15-Pin (M) Micro VGA Cable
2	Kramer	C-MGMA/MGMA-3	3' 15-pin HD (M) to 15-pin HD (M) & 3.5mm Stereo Audio Micro VGA Cable
1	Kramer	C-MGMA/MGMA-6	6' 15-pin HD (M) to 15-pin HD (M) & 3.5mm Stereo Audio Micro VGA Cable
1	Kramer	C-A35M/2RAM-3	3' 3.5mm (M) to 2 RCA (M) Breakout Cable
1	Kramer	C-RVM/RVM-6	6' 1 RCA (M) to 1 RCA (M) Molded Cable
1	Kramer	C-2RAM/2RAM-2	2' 2 RCA (M) to 2 RCA (M) Molded Audio Cable
1	Kramer	C-2RAM/2RAM-6	6' 2 RCA (M) to 2 RCA (M) Molded Audio Cable
2	Kramer	C-MHM/MHM-2	2' Flexible High-Speed HDMI Cable
8	Kramer	C-MHM/MHM-3	3' Flexible High-Speed HDMI Cable
1	Kramer	C-MHM/MHM-6	6' Flexible High-Speed HDMI Cable
1	Kramer	C-MHM/MHM-10	10' Flexible High-Speed HDMI Cable
1	Kramer	C-MHM/MHM-15	15' Flexible High-Speed HDMI Cable
3	Kramer	C-BM/BM-10	10' 1 BNC (M) to 1 BNC (M) RG-6 Video Cable
2	Kramer	C-HM/DM-3	3' HDMI (M) to DVI (M) Cable
1	Kramer	C-MDM/MDM-10	10' Flexible DVI Cable
1	Kramer	AD-BM/RF	BNC (M) to RCA (F) Adapter
1	Kramer	BCP-DGKat623-250	Bulk Shielded CAT 6 + Four Pair F/UTP Data Cable 23 AWG - Plenum Rated
8	Kramer	CCR-RJ45-TP6	Crimp Style Shielded RJ-45 Connector for CAT 6 23AWG Twisted Pair Cable
6	C2G	22677	3ft Cat5e Non-Booted Unshielded (UTP) Network Patch Cable - Black
3	C2G	22692	10ft Cat5e Non-Booted Unshielded (UTP) Network Patch Cable - Green
1	C2G	22708	15ft Cat5e Non-Booted Unshielded (UTP) Network Patch Cable - Black
1	Liberty AV	24-4P-P-L5-EN-WHT-1000	Category 5e U/UTP EN series 24 AWG 4 pair unshielded plenum cable
1	Liberty AV	22-1P-CMP-EZ-BLK-400	High-performance EZ-strip broadcast audio 22 AWG 1 pair shielded plenum cable
3	BTX	CD-DB9MEZBR	DB9 Male Connector to Terminal Block
4	BTX	CD-DB9FEZBR	DB9 Female Connector to Terminal Block
7	BTX	CD-DPH9R	DB9 Plastic Hood with Thumbscrews

Option #1 (55" LCD Displays)

2	NEC	V552	55" High-Performance LED Backlit Commercial-Grade Display w/ Integrated Speakers
1	Chief	LTM1U	Large Fusion Micro-Adjustable Tilt Wall Mount
1	Chief	LCM1U	FUSION™ Large Flat Panel Ceiling Mount
1	Chief	CMS0305W	3-5' Adjustable Extension Column, White SITE VERIFICATION REQUIRED
1	Chief	CMA115W	6" (152 mm) Ceiling Plate, White
1	Chief	CMA640W	Decorative Ring, 1.9" ID, CMS/CPA Fixed/Inner Adjustable Column, White

City of Pekin - Council Chambers
Video Projection, Presentation and Broadcast Equipment

**Option #2 (Wireless Microphones)**

7	Shure	SLX14/85	1RU Lavalier Wireless Microphone System Includes WL185 lavalier microphone, SLX1 bodypack transmitter, SLX4 receiver, tie clip, rackmount kit, two 1/4 wave antennas, power supply, 2 AA batteries, protective bumpers with 8 screws, vinyl bag, and user guide.
7	Shure	MX415LP/C	15" (38.1 cm) gooseneck microphone, less preamp, bi-color status indicator (cardioid polar pattern)
7	Shure	MX890	Microflex Wireless Microphone Desktop Base
7	Shure	SLX4	1RU Single-Channel Diversity Wireless Microphone Receiver
5	Shure	UA844SWB	1RU Four-Way Active Antenna Combiner (Includes all necessary interconnect cables)
2	Shure	UA850	50' Antenna Cable
2	Shure	UA864US	Wall-Mounted Wideband Antenna
14	ProCo Sound	3820-08064CFA-01	NC3FX-STRIPPED/TINNED END 2FT

Option #3 (Dais Displays)

5	NEC	EA224WMI-BK	22" LED-backlit Eco-Friendly Widescreen Monitor
5	Ergotron	33-387-085	Neo-Flex® Monitor Stand. Provides an incredible 115 degrees of tilt adjustment while simultaneously controlling monitor height.
1	Kramer	PT-571	HDMI over Twisted Pair Transmitter
1	Kramer	PT-572+	HDMI over Twisted Pair Receiver
1	Extron	60-999-01	HDMI DA6 Six Output HDMI Distribution Amplifier
1	Extron	70-212-01	MBU 123 Low-Profile Mount Kit
2	Kramer	C-MHM/MHM-2	2' Flexible High-Speed HDMI Cable
1	Kramer	C-HM/DM-3	3' HDMI (M) to DVI (M) Cable
2	Kramer	C-HM/DM-10	10' HDMI (M) to DVI (M) Cable
2	Kramer	C-HM/DM-15	15' HDMI (M) to DVI (M) Cable

Option #4 (Control System)

1	AMX	FG2106-03	1RU NX-3200 NetLinx® NX Integrated Controller
1	AMX	FG423-46	PSR4.4 13.5 VDC, 4.4 A Power Supply with 3.5 mm Phoenix Connector with Retention Screws
1	AMX	FG5967-02	MVP-9000i-GW, White 9" Modero® ViewPoint® Wireless Touch Panel
1	AMX	FG5967-13	MVP-WDS-9-GW, Gloss White Wall/Flush Mount Docking Station for 9" Modero® Wireless Touch Panel
1	AMX	FG2255-80	NXA-WAP-R500-US Smart Wireless Access Point
2	AMX	FG423-84	PS-POE-AT-TC High Power PoE Injector, 802.3AT Compliant
3	AMX	FG2606-13-WH	CCD-6NA-WH Clear Connect™ Phase Adaptive Dimmer (Decora)
1	AMX	FG2605-81-WH	ALD-CW-1 1-Gang Claro Wallplate

City of Pekin - Council Chambers
Video Projection, Presentation and Broadcast Equipment



1	AMX	FG2605-83-WH	ALD-CW-3 3-Gang Claro Wallplate
1	AMX	FG2606	NXB-CCG NetLinx® Clear Connect™ Gateway. Power Supply Included for NXB-CCG (FG2606) 434
1	AMX	FG2263-01	MHz NetLinx Clear Connect Gateway, U.S. and Canada Only: 5VDC Adapter (WA-10J05FU)
1	AMX	FG423-83	NXV-300 Modero® Virtual Touch Panel
1	Parts Express	ASIN: B0002KRC7W	PS-POE-AF-TC PoE Injector, 802.3AF Compliant
1	Da-Lite	40973	Decora Type Insert Blank White
			Single Motor Low Voltage Control with Wall Switch

Attachment: Council Packet from 5.9.2016 (1155 : Council Chamber Audio/Video Upgrades)