



City of Appleton

100 North Appleton Street
Appleton, WI 54911-4799
www.appleton.org

Meeting Agenda - Final Municipal Services Committee

Wednesday, January 18, 2017

6:30 PM

Council Chambers, 6th Floor

1. Call meeting to order
2. Roll call of membership
3. Approval of minutes from previous meeting
[17-027](#) Minutes from December 13, 2016.

Attachments: [Minutes from December 13, 2016.pdf](#)

4. Public Hearings/Apearances

5. Action Items

- [17-033](#) Approve 2017 Sole Source Purchasing Request for various traffic equipment and technologies.
- Attachments:** [2017 Sole Source Purchasing Request.pdf](#)
- [17-044](#) Award of Contract for engineering services for Bridge Rehabilitation Reports to Collins Engineers, in an amount not to exceed \$26,096.81.

Attachments: [Contract for Bridge Rehabilitation Reports to Collins Engineers.pdf](#)

6. Information Items

7. Adjournment

Notice is hereby given that a quorum of the Common Council may be present during this meeting, although no Council action will be taken.

Reasonable Accommodations for Persons with Disabilities will be made upon Request and if Feasible. Please call Paula Vandehey at 920-832-6474 if you have any questions.



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Meeting Minutes - Final Municipal Services Committee

Tuesday, December 13, 2016

6:30 PM

Council Chambers, 6th Floor

1. Call meeting to order

2. Roll call of membership

Present: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

3. Approval of minutes from previous meeting

[16-1929](#)

Minutes from November 15, 2016.

Attachments: [Minutes from November 15, 2016.pdf](#)

Coenen moved, seconded by Martin, that the Minutes be approved. Roll Call.
Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

4. Public Hearings/Appearances

5. Action Items

[16-1930](#)

Approve City of Appleton Sidewalk Painting Policy.

Attachments: [Sidewalk Painting Policy.pdf](#)

Item #16-1930 held until 1/10/17 meeting.

Martin moved, seconded by Coenen, that the Report Action Item be held. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

[16-1931](#)

Award 2017 Materials Testing Contract (M-17) to OMNNI Associates, Inc. in an amount not to exceed \$100,000.

Attachments: [2017 Materials Testing Contract.pdf](#)

Coenen moved, seconded by Martin, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

16-1932

Award 2017 Contract for Operation, Maintenance and Monitoring at the Closed City of Appleton Landfill to SCS Engineers, in an amount not to exceed \$70,140.

Attachments: [2017 Contract for Operation, Maintenance and Monitoring.pdf](#)

Coenen moved, seconded by Martin, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

16-1933

Approved proposed Truck Route changes as recommended in the Downtown Mobility Study.

Attachments: [Truck Route changes-Downtown Mobility Study.pdf](#)

Coenen moved, seconded by Martin, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

16-1934

Approve proposed parking change on Kamps Avenue between Locust Street and Bennett Street.

Attachments: [Kamps Ave between Locust St and Bennett St..pdf](#)

Coenen moved, seconded by Martin, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

16-1935

Approve proposed parking changes on Eighth Street/Walnut Street/Sixth Street/Elm Street related to the Fox Cities Exhibition Center.

Attachments: [Parking changes-Fox Cities Exhibition Center.pdf](#)

Coenen moved, seconded by Martin, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

[16-1936](#)

Approve proposed parking changes on Hancock Street between Lawe Street and Meade Street.

Attachments: [Hancock St between Lawe St and Meade St.pdf](#)

Coenen moved, seconded by Martin, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

[16-1937](#)

Request from the Far East Restaurant for a permanent street occupancy permit for their existing sign and canopy at 1330 S Oneida Street.

Attachments: [Far East Restaurant.pdf](#)

Item 16-1937 be held until 1/10/17 meeting.

Coenen moved, seconded by Martin, that the Report Action Item be held. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

[16-1948](#)

Award of Contract for the design and construction related services for the northbound Oneida Street Bridge Reconstruction Project over Jones Park to Patrick Engineering, in an amount not to exceed \$228,861.

Attachments: [Oneida Street Bridge Reconstruction Project.pdf](#)

Martin moved, seconded by Coenen, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

[16-1950](#)

Amendment to the scope of services & contract amount for the Railroad Quiet Zone Feasibility & Implementation Plan consulting services contract.

Attachments: [Railroad Quiet Zone Feasibility & Implementation Plan.pdf](#)

Coenen moved, seconded by Martin, that the Report Action Item be recommended for approval. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann

6. Information Items

[16-1938](#)

Inspection Division Permit Summary Report for November, 2016.

Attachments: [Inspection Division Permit Summary Report-November 2016.pdf](#)

[16-1777](#)

Approve proposed expansion of Article IV. Right-of-Way Management, Section 16 Municipal Code.

Attachments: [Proposed expansion of Right-of-Way Management Ord.pdf](#)

[16-1939](#)

Parking Utility Condensed Income Statement for November, 2016.

Attachments: [Parking Utility Statement November 30, 2016.pdf](#)

[16-1940](#)

DPW Great Ideas Implemented in 2016 List.

Attachments: [Great Ideas Implemented 2016.pdf](#)

[16-1941](#)

Proposed Modification to the Department of Public Works Table of Organization-Parking Utility.

Attachments: [Parking Utility Table of Organization.pdf](#)

[16-1943](#)

Update on Street light energy efficiency upgrade project.

[16-1951](#)

Change Order No. 2 to Baycom, Inc. contract for 2 additional portable radios, 2 speaker microphones, subscriber licenses and desktop licenses resulting in a decrease of contingency from \$10,670.21 to \$7,919.01. No change to the overall not to exceed contract amount of \$137,265.32.

Attachments: [Baycom Inc. contract.pdf](#)

7. Adjournment

Coenen moved, seconded by Martin, that the meeting be adjourned. Roll Call. Motion carried by the following vote:

Aye: 3 - Coenen, Konetzke and Martin

Excused: 2 - Croatt and Mann



"... meeting community needs ... enhancing quality of life."

DEPARTMENT OF PUBLIC WORKS
Engineering Division – Traffic Section
2625 E. Glendale Avenue
Appleton, WI 54911
TEL (920) 832-5580
FAX (920) 832-5570

To: Municipal Services Committee
From: Michael Hardy, Assistant City Traffic Engineer
Date: January 4, 2017
Re: 2017 Sole Source Purchase Request – Various Traffic Equipment & Technologies
CC: Jeffrey Fait, City Purchasing Manager

This sole source purchase request is reassessed and presented annually as required in the City procurement policy. It was last approved in 2016.

Background:

Traffic Signal and Control Equipment

Within the traffic signal control industry, there is a tremendous amount of proprietary functionality and limited interoperability. The number of vendors servicing traffic signal equipment is also very limited. For example, Traffic and Parking Control Company, Inc. (TAPCO), located in Elm Grove, Wisconsin, is the exclusive vendor in Wisconsin for Siemens signal cabinet and control equipment, which the City of Appleton uses. TAPCO is also the exclusive state vendor for Eberle Design Inc. (EDI) cabinet equipment, Iteris video detection systems, and other support equipment used in traffic signal control systems. Because TAPCO is designated as the exclusive rights vendor in the state by these manufacturers, they have exclusive knowledge for set-up, testing and servicing, beyond that which the City is capable of performing. There are other vendors in nearby states that carry these product lines, but their manufacturer-vendor relationships do not allow overlap with each other. Thus, the City cannot, for example, do business with Brown Traffic Products, Inc., which is TAPCO's equivalent in Illinois and Minnesota.

The next closest vendor that provides comparable products and services is a company called Traffic Control Corporation (TCC), with service currently provided out of Illinois and Minnesota. TCC's exclusive manufacturer-vendor relationship is very similar to TAPCO, with cabinets and control systems manufactured by both Econolite and Reno Traffic Products. Also, because TCC is the exclusive vendor for these product lines, they have exclusive knowledge for set-up, testing and servicing.

Due to the above circumstances, it is common in the traffic industry that complete traffic signal control assemblies are sole-source purchased as complete, functional systems. Another unfortunate reality is that each manufacturer's equipment has its own proprietary firmware and controls, which makes it nearly impossible to competitively procure comparable equipment. In this situation, TAPCO or TCC will assemble the cabinet, controller, vehicle detection equipment and any other integrated equipment, and perform functional testing prior to shipment and installation. The advantage to this approach is it helps manage compatibility issues, and puts responsibility on the sole source vendor to assure complete functionality of the system. The disadvantage is that procured equipment is not competitively bid in a formal process. The other common application in the traffic industry is that specifications are written to accept only one manufacturer's products. This gives the illusion of being competitive, but often only one vendor is able to meet the required specifications. There has been some implementation of equipment from both TAPCO and TCC, but the experiences are limited, along with the success stories. Here too, the City would need to stock significant additional equipment due to limited experience with compatibilities and functionality.

The good news is there are standards making gradual progress in the traffic control industry. The National Electrical Manufacturer's Association (NEMA) has developed standards that provide requirements for equipment interoperability. For example, the City has accepted NEMA, TS2, Type 1 specification for our traffic signal control cabinets. This provides control over how the cabinets are configured and how the control equipment is connected and integrated into the control functionality. The National Transportation Communications for Intelligent Transportation Systems (ITS) Protocol (NTCIP) is the next level of standards under development at the federal level, intended to limit the proprietary firmware and controls in the traffic industry.

Traffic Signal Preventative Maintenance

Preventative maintenance is another item that is currently sole sourced. A key component in preventative maintenance is performing a diagnostic test on a device called the Malfunction Management Unit (MMU). Performing this service is performed annually, and is common practice in the traffic signal industry to discourage legal action against the City for negligence if a signal malfunction is the suspected cause in a traffic incident. To date, the City has decided it is not in our best interest to perform this testing on our own. To replicate this service the City would have to purchase expensive test equipment, software and training. The current sole source vendor, TAPCO, has strong familiarity with our equipment since they are exclusive rights vendor in the state by the MMU manufacturer the City currently uses. Having considered this, we feel this is a reasonable cost and the best decision for the City at this time.

Decorative Street Lighting Equipment

Recent experiences have prompted the addition of decorative street lighting equipment to this sole source request. Specific items that apply are decorative lighting components involving steel poles, concrete poles, arms and fixtures. One large contributing factor is the City has standardized on a specific appearance and quality using Stresscrete, King and Visco brands products for applications across the City, most notably College Avenue and Wisconsin Avenue. While there are other decorative brands on the market simulating a comparable look, the quality of these off-brands has been much lower, leading to increased maintenance costs and decreased life. When bidding this equipment in the past, we have specified a specific product or approved equal. To meet the City purchasing policy, we have been competitively bidding these decorative lighting brands through the electrical supply chains. It is our opinion, while this looks competitive and meets the spirit of the purchasing policy, it actually amounts to a mark-up on a product we ultimately know we are going to purchase. Having considered the above, we feel sole source offers the best value of the City's time and resources.

In 2017, we are adding a new pole, arm and fixture line in conjunction with the new Fox Cities Exposition Center (FCEC). The architect and project team of the FCEC has selected a unique lighting assembly to match the look and appeal of the building. We are adding this to the sole source list as we feel this will be a similar situation to the other decorative lighting equipment.

LED Street Lighting

Recent experiences have prompted the addition of LED street lighting equipment to this sole source request. Specific items that apply are both standard and decorative LED street lighting fixtures. In 2010, the City authored a specification and released a bid to replace standard fixtures with LED fixture in the central business district. That experience evaluated products from eight (8) different manufacturers. As a result of that experience, we have identified products from Cooper and Philips as the preferred fixtures for future applications. To comply with the City's purchasing policy in future purchases, we would have to competitively bid these two brands thru the electrical supply chains. In our opinion, while this appears competitive and meets the spirit of the purchasing policy, it really amounts to a mark-up on a product we ultimately know we are going to purchase. We have established a relationship with the manufacturers and have been advised we can purchase from them directly. Where these two products are competitive with each other, we would be able to compare costs direct from the manufacturers which would meet the competitive spirit of the policy. However, three products would be needed to satisfy the policy as written. Having considered the above discussion, we feel a sole source exception offers the best value of the City's time and resources.

Camera & Video Encoders

When the traffic camera program began its deployment in 2010, Pelco brand pan-tilt-zoom cameras were procured in accordance with City Policy, where at least three quotes were received. In light of the switch to Avigilon video management software by the City in 2013 and the increase in failures of recent Pelco brand cameras, the Traffic Section has transitioned to both AXIS and Avigilon brand cameras. The AXIS brand cameras can be purchased in accordance with City Policy as they are readily available through multiply suppliers. Avigilon cameras, however, can only be purchased thru a licensed State vendor. Thus, in instances where we feel an Avigilon camera is advantageous for a specific application and software integration for the City, a sole source approval is needed to satisfy the policy as written.

School Zone Flashers & Rapid Rectangular Flashing Beacon (RRFB) Control

In 2014 the City procured a new school flasher control system. Criteria specified in that procurement was the ability for remote access to set the flasher schedules and troubleshoot in case of maintenance. The City procured a product called DirecTime, which has its own proprietary web enabled service for remote access. The DirecTime product, installed at all school zone flashers across the City, is exclusively manufactured by Traffic and Parking Control Company, Inc. (TAPCO). In the event additional locations or replacement units are necessary, it is in our opinion that sole sourcing the DirecTime product line is the best value of the City's time and resources.

In 2015, the City installed the first RRFB control system since the 2012 Lawrence University crosswalks on College Ave. After a review of quotes, qualifications and compliance with our performance criteria, we selected a product manufactured by Traffic and Parking Control Company, Inc. (TAPCO). The Spot Device brand which is currently installed on College Ave has since been purchased by a competitor and the product line has been discontinued. The RRFB system from TAPCO uses the same remote access system as the DirecTime product described above. Thus, access to both School Flashers and RRFB control is together, which is a valuable feature to monitor performance and troubleshoot or perform maintenance. In the event additional locations or replacement units are necessary, it is in our opinion that sole sourcing the TAPCO RRFB product line is the best value of the City's time and resources.

Summary:

The City Traffic Section continues to pursue equipment and services to help improve competition in our purchases. We often have alternative vendors bring us equipment to familiarize with and test for compatibility. When we evaluate comparable products, we try to take a holistic approach, considering additional software, training, stocking, etc. We also stay in touch routinely with our counterparts in the traffic industry, like Wisconsin DOT, City of Green Bay, and Milwaukee County to help evaluate pricing when and where sole sourcing is performed. This, too, helps communicate between agencies on acceptance of alternative products. We also pursue alternative procurement options when available through the Wisconsin DOT procurement contract. Where equipment is consistent with Wisconsin DOT procurement contracts, a price match is pursued.

The following is the Traffic Section's current list of equipment and services we feel it is in the City's best interest to sole source for procurement:

Traffic Signal and Control Equipment

Signal Controller and Control Software:

- Siemens/Eagle (TAPCO)

Signal Control Cabinets:

- Siemens/Eagle (TAPCO)
- Econolite (TTC)

Signal Control Malfunction Management Unit:

- Eberle Design, Inc. (TAPCO)
- Reno A & E (TTC)

Loop Detector Amplifiers:

- Eberle Design, Inc. (TAPCO)
- Reno A & E (TTC)

Video Detection Systems

- Iteris, Inc. (TAPCO)
- Econolite (TTC)

Wireless Detection Systems

- MS Sedco / Intersector. (TAPCO)
- Wavetronix (TTC)

Preemption:

- GTT (TAPCO)

Wireless Radio Communications:

- Encom Wireless (TAPCO)
- Intuicom (TTC)

Control Cabinet Integration Set-up and Testing:

- TAPCO
- TTC

Radar Speed Signs

- Information Display Company

Traffic Signal Preventative Maintenance

Traffic Signal Preventative Maintenance:

- TAPCO

Decorative Street Lighting Equipment

Concrete Poles & Arms

- Stresscrete / King Luminaire (Visual Impact Lighting, LLC)

Steel Poles & Arms

- Visco (Commercial Lighting)
- Spring City (Visual Impact Lighting, LLC)
- Structura Inc.

LED Fixtures

- Stresscrete / King Luminaire (Visual Impact Lighting, LLC)
- Beacon Viper

Conventional LED Street Lighting

LED Street Light Fixtures

- Philips (Spectrum Lighting)
- Cooper Lighting (Enterprise Lighting)

Traffic Cameras

Pan-Tilt-Zoom & Fixed Zoom

- Avigilon (Lappen Security)

Warning Flashers & RRFB


School Zone Flasher & RRFB Controls

- DirecTime (TAPCO)

Department of Public Works – Engineering Division

MEMO

TO: Municipal Services Committee

FROM: Chad M. Weyenberg, Project Engineer 

DATE: January 5, 2017

RE: Award of Contract for Bridge Rehabilitation Reports to Collins Engineers, in an amount of \$26,096.81.

The State of Wisconsin requires that the City perform a bridge rehabilitation report in accordance with TRANS 213 of the Wisconsin Administrative Code, prior to submitting for Local Bridge Program Funding. The Department of Public Works is recommending to contract with Collins Engineers, in an amount not to exceed \$26,096.81 to provide engineering services to meet these requirements. Collins Engineers will be providing bridge rehabilitation reports for the following bridges in 2017:

South Island Street over the Power Canal
Lawe Street over the Fox River
Olde Oneida Street over the Power Canal

In addition to the bridge rehab reports, Collins Engineers will provide engineering estimates on the realignment of South Island Street from Vulcan Street to Lawe Street. This realignment is necessary to accommodate the new bridge layout as well as Neenah Papers truck turning radiuses.

The Department of Public Works requested proposals from five qualified Wisconsin consulting firms. The City received three qualified proposals from AECOM Technical Services, Collins Engineers and Graef.

Collins Engineers = \$26,096.81
Graef = \$42,340.00
AECOM = \$61,466.10

Collins Engineers, demonstrated the related experience and personnel necessary to complete the required tasks. In addition, they also demonstrated a good project understanding and approach. Collins Engineers' team leader, Steven Miller P.E., recently served as the City's consultant bridge engineer for the state mandated bridge and dive inspections. He provides an excellent service and a detailed understanding of the City's bridges.