

# VILLAGE OF ORLAND PARK

14700 Ravinia Avenue  
Orland Park, IL 60462  
[www.orlandpark.org](http://www.orlandpark.org)



## Meeting Minutes

Monday, February 18, 2019

6:00 PM

Village Hall

## Public Works Committee

*Chairman Kathleen M. Fenton  
Trustees James V. Dodge and Carole Griffin Ruzich  
Village Clerk John C. Mehalek*

## CALL TO ORDER/ROLL CALL

The meeting was called to order at 7:09 P.M.

**Present:** 3 - Chairman Fenton; Trustee Dodge and Trustee Griffin Ruzich

## APPROVAL OF MINUTES

### 2019-0133 Approval of the January 21, 2019 Public Works Minutes

I move to approve the Minutes of the Regular Meeting of the Public Works of January 21, 2019.

**A motion was made by Trustee Dodge, seconded by Trustee Griffin Ruzich, that this matter be APPROVED. The motion carried by the following vote:**

**Aye:** 3 - Chairman Fenton, Trustee Dodge, and Trustee Griffin Ruzich

**Nay:** 0

## ITEMS FOR SEPARATE ACTION

### 2019-0107 Crystal Tree Subdivision Water Main Lining - Proposal Award

Public Works Director John Ingram reported that the Public Crystal Tree Subdivision was developed in the late 1980's. The water main that was installed during construction was ductile iron pipe, which is still the standard for water main installation in the village. In the late 1990's ductile iron pipe manufacturers recommended a polyvinyl wrap when installing new water main to prevent corrosion to the exterior of the pipe. Crystal Tree Subdivision has been prone to water main breaks due to deterioration of the ductile water main.

Two different methodologies of rehabilitation were explored: open cut and cured in place structural slip lining. Both methods offer positive and negative attributes. In 2009 2,632 feet of water main in Crystal Tree was replaced with PVC pipe. That replacement was completed in advance of the homeowners association planned street rehabilitation project. After evaluation, cured in place structural slip lining proved to be cost effective and the least invasive option. Staff recommends the use of a structural liner with the service connection mechanically connected to the liner. This process eliminates reliance on the host pipe which continues to deteriorate.

Based on available 2018 funding, Utility Division staff prioritized sections of main to be lined based upon quantity of water main breaks and overall main condition. Staff recommends Lake Ridge Road, Golf Road, and a portion of Hollow Tree Road. There would be a total of 2,555 linear feet of water main lined and fifty-nine 1" services reinstated. Additional water main is planned for lining with 2019 funds.

The request for proposals was advertised on November 8, 2018. A total of two hundred three (203) vendors were notified through BidNet and one (1) contractor was emailed directly with a notification of bid. Twenty four (24) companies downloaded the specifications. The proposal opening was conducted on December 5, 2018, and the village received three (3) proposals for consideration. Insituform Technologies USA, LLC of Chesterfield, Missouri submitted an amount of \$927,147.00. Michels Pipe Services, a division of Michels Corporation of Brownsville, Wisconsin submitted an amount of \$848,040.00. Fer-Pal Construction USA LLC, of Elgin, Illinois submitted an amount of \$679,127.50.

Utility Division staff met with each of the firms to evaluate their product and process. Both Insituform Technologies and Fer-Pal meet the specification provided. Michels Pipe service provides a structural liner, but does not meet the requirement for mechanical service connection. Their process still relies on the host pipe for maintaining the service connections. The village has previously used Fer-Pal for the Maycliff water main lining project in 2015. Staff recommends accepting the proposal submitted by Fer-Pal Construction USA, LLC of Elgin, Illinois for the Crystal Tree Water Main Lining project in the amount of \$739,127.50 (\$679,127.50 plus \$60,000.00 contingency).

I move to recommend to the Village Board to accept the proposal from Fer-Pal Construction USA, LLC, of Elgin, Illinois in the amount of \$739,127.50 (\$679,127.50 plus \$60,000.00 contingency).

**A motion was made by Trustee Dodge, seconded by Trustee Griffin Ruzich, that this matter be RECOMMENDED FOR APPROVAL to the Board of Trustees. The motion carried by the following vote:**

**Aye:** 3 - Chairman Fenton, Trustee Dodge, and Trustee Griffin Ruzich

**Nay:** 0

**2019-0110 2019 Fernway Subdivision Roadway and Drainage Improvements, Watershed #4 - Design Engineering Services**

Public Works Director John Ingram reported that the pavement in Fernway Subdivision was originally constructed in the early 1960's. At that time, the unincorporated roadways were constructed to a rural cross section below village standards. The village has spent considerable resources maintaining these roadways since annexing the area in the mid-1980s. The village's pavement management consultant, Applied Research Associates (ARA), has recommended full depth pavement reconstruction with installation of a concrete shoulder to contain the pavement edge. Due to the scale of work and projected construction cost, the improvements for the entire Fernway subdivision are projected to span a period of nine years beginning in 2016, continuing to 2024, subject to available funding. An overall Fernway improvement map is provided for reference, showing the nine color-coded project areas representing each anticipated road-and-ditch reconstruction project year. The map also identifies six watershed areas defined by green borders and numbers. The determining factor for each project year is

dictated by the lay of the land, working from low-lying areas to higher areas; however, since there are several separate (and some independent) watersheds in Fernway, the proposed project years are a guide and not absolute.

The storm water design of each Fernway reconstruction area has been engineered by Christopher B. Burke Engineering Ltd. (CBBEL). The village approved a contract with CBBEL in 2013 to provide storm water design for the roadside ditch improvements within watershed areas one (#1) through three (#3). The overall map shows the 2019 project location lies in the southern portion of watershed four (#4) and therefore the village must engage a consultant to provide storm water design services for this area.

Since initiating this multi-year project in 2016, the Village Board has annually approved contracts with Baxter & Woodman Consulting Engineers to provide roadway design services (Phase II) and construction oversight services (Phase III) for each project area. Baxter & Woodman has provided the road design engineering and incorporated the CBBEL storm water design into the overall plans for construction bidding. The Phase II road engineering (provided by Baxter & Woodman) and ditch design engineering (provided by CBBEL) includes field evaluation, utility coordination, pavement rehabilitation evaluation, ditch re-grading, project specifications, detailed engineering bid drawings and bidding assistance. Each year the village has ultimately received an acceptable project design from their collaboration. However, a large amount of back-and-forth coordination occurred between the two firms to finalize the project design. After three years of using this approach, village staff believes the process would be more efficient by using one consulting engineer for both the road design and the storm water design.

To date the first three road reconstruction project areas have been successfully completed. The overall project map indicates 2019 reconstruction to include the following streets: Robinhood Drive (north of 167th Street to 165th Place), 166th Place, 166th Street and 165th Place. Village staff requested proposals from both Baxter & Woodman and CBBEL for the 2019 road and ditch design, and for the storm water design of watershed four (#4) in its entirety. Note that the entire drainage area for watershed four covers three (3) full road project years and part of a fourth year.

Baxter & Woodman submitted a stormwater design proposal for watershed four (#4) in the amount of \$71,703.00 and a proposal for the 2019 road and ditch design in the amount of \$41,440.00, resulting in a combined total of \$112,743.00. CBBEL submitted a combined stormwater design and roadway design proposal for watershed four (#4) and the 2019 project area in the amount of \$99,400.00.

To date, CBBEL has demonstrated excellent ability to perform the services necessary for proper development of the Fernway stormwater design. CBBEL is also well qualified to provide design services for the road and ditch engineering.

Based upon the proposals submitted and previous Fernway reconstruction experience by CBBEL, staff recommends accepting the proposal from Christopher B. Burke Engineering Ltd. of Rosemont, Illinois in an amount not to exceed \$99,400.00.

Based on the type of construction, 55% of the road and ditch design cost will be funded by the Road Improvement Program and 45% of the road and ditch design cost will be funded by the Storm Water Fund.

I move to recommend to the village Board to accept the proposal for 2019 Fernway Subdivision Roadway and Drainage Improvements, Watershed #4 from Christopher B. Burke Engineering, Ltd. of Rosemont, Illinois, in an amount not to exceed \$99,400.00.

**A motion was made by Trustee Dodge, seconded by Trustee Griffin Ruzich, that this matter be RECOMMENDED FOR APPROVAL to the Board of Trustees. The motion carried by the following vote:**

**Aye:** 3 - Chairman Fenton, Trustee Dodge, and Trustee Griffin Ruzich

**Nay:** 0

#### **2019-0113 LED Street Lighting Upgrade - IDOT and Cook County Jurisdiction Roads - Proposal Award**

Public Works Director John Ingram reported that in 2018, the village converted approximately 2,500 village owned high pressure sodium street lights to more efficient LED technology. This LED street light conversion project was completed through an Energy Performance Contract with Control Technology & Solutions, LLC (CTS Group) of St. Louis, Missouri. This project did not include street lighting along state and county roadways such as LaGrange Road, 159th Street and 179th Street. Nor did it include decorative lighting such as in the Old Orland Historic District.

Following completion of the initial street light conversion project, energy saving are guaranteed by CTS to be a minimum of \$95,519.00 annually. Additionally, the village has been approved for rebates offered through Commonwealth Edison totaling \$270,990.30.

Staff is requesting to reinvest a portion of the Commonwealth Edison rebate money for the conversion of street lighting along state and county roads to increase energy efficiency savings and continue to take advantage of rebate offerings. Proposals for design and permitting were requested from four firms for the conversion of lights along Lagrange Road, 159th Street, and 179th Street (exhibits attached to the Committee Packet). Harlem Avenue, the only remaining state road with village street lighting, is being upgraded through a separate project.

Three of the four firms submitted proposals for each of the project areas with HR

Green, Inc. of New Lenox, IL abstaining. Three (3) submittals were received from; Christopher B. Burke Engineering, Ltd. (CBBEL) of Rosemont, Illinois - \$149,470; Control Technology & Solutions, LLC (CTS Group) of St. Louis, Missouri - \$122,477; and V3 Companies of Woodridge, Illinois - \$155,070. Attached to the Committee Packet is a summary sheet showing the proposed costs submitted from each firm, broken down by location.

An evaluation of the submittals and summary sheet reveal comparable services. All three proposers would provide project coordination and IDOT permitting assistance, with village staff installing the lights. An additional service offered in the proposal from CTS Group includes coordination of the Commonwealth Edison rebate process and procurement of the fixtures (except for 159th Street). The value added services from CTS Group provide an opportunity for staff to focus on other projects proposed and currently underway. A consistent fixture cost was added to each firm's proposal to ensure an apple to apples comparison.

For 159th Street, from west of Ravinia Avenue to east of Oak Park Avenue the lights are under separate municipal jurisdictions and the proposals do not include the purchase of lights. All proposals include coordination between Orland Park, Orland Hills, Tinley Park and IDOT for permitting the entire project length. Purchasing of the lights will be handled separately as it is anticipated that permitting and coordination will take longer to complete. Note that Orland Park would only purchase 129 of approximately 250 lights included in this project, with Tinley Park and Orland Hills each participating with the purchase and installation of their own lights.

For all three locations, when considering the total initial cost, experience with ComEd approval process for street lighting, and experience of on-site project manager assigned to Orland Park with a similar project, CTS Group would provide the greatest net economic value to the village.

CTS Group has worked with the village since approval by the Board in June, 2015 as the village's preferred Energy Services Company (ESCO) providing guaranteed energy savings. They initially performed an investment grade audit of village facilities recommending many reduced energy consumption upgrades and conversions at the facilities. Through their findings, CTS Group assisted the village in putting together numerous projects.

The CTS Group has been stellar in their responsiveness and assistance with previous evaluations and recommendations for other projects including Orland Park Health & Fitness Club (OPHFC) dehumidification replacement, Sportsplex gymnastics boiler replacement, Police facility humidification boiler replacement, Recreation Administration heating boilers, and SportsPlex domestic hot water upgrades and shower renovation of which the CTS Group was exceptionally patient while guiding the village through the aesthetic material selection process.

Additionally, CTS Group was exemplary in managing the village's residential LED street lighting upgrade. Their responsiveness and customer service managing this project under a very tight timeline was crucial in making this project an undeniable success.

The estimated cost from CTS Group for completing the installation of new fixtures on these projects is as follows:

Lagrange Road - \$108,795 including fixtures. Following completion, energy savings are estimated by CTS Group to be a minimum of \$ 29,953.00 annually. Current rebates offered through Commonwealth Edison would provide an additional \$45,712.00 payable to the village after installation.

159th Street - \$7,200.00 (Village to purchase fixtures separately). Following completion, energy savings are estimated by CTS Group to be a minimum of \$ 14,580.00 annually. Current rebates offered through Commonwealth Edison would provide an additional \$22,252.00 payable to the Village after installation.

179th Street - \$6,482.00 including fixtures. Following completion, energy savings are estimated by CTS Group to be a minimum of \$1,582.00 annually. Current rebates offered through Commonwealth Edison would provide an additional \$2,415.00 payable to the Village after installation.

The initial estimates shown for these LED street lighting upgrades are made utilizing information related to the village's current 120 watt LED fixture (400 watt equivalent) purchased at a cost of \$330.00 each in 2018. Upon permit application, IDOT or Cook County may require a different model or size. An alternate fixture may carry a different cost and could affect the estimated energy savings. For budget contingency purposes, the largest anticipated LED fixture could be up to 214 watts, at a cost of \$500.00 each.

It is staffs' recommendation to accept the proposal from CTS Group of St. Louis, Missouri for all three locations totaling \$122,477.00, plus a contingency in the amount of \$60,000.00 for potential IDOT or Cook County requirements, for a total not to exceed \$182,477.00.

Chairman Fenton and Trustee Dodge had questions and comments regarding this matter. (refer to audio file)

Director Ingram responded to Chairman Fenton's and Trustee Dodge's questions and comments. (refer to audio file)

I move to recommend to the Village Board to waive the bid process;

And

Recommend accepting the proposal from CTS Group of St. Louis, Missouri for LED Street Lighting Upgrade- IDOT and Cook County Jurisdiction Roads for an amount not to exceed \$182,477.00 (\$122,477.00 plus \$60,000.00 contingency).

**A motion was made by Trustee Griffin Ruzich, seconded by Trustee Dodge, that this matter be RECOMMENDED FOR APPROVAL to the Board of Trustees. The motion carried by the following vote:**

**Aye:** 3 - Chairman Fenton, Trustee Dodge, and Trustee Griffin Ruzich

**Nay:** 0

**2019-0106 One (1) 2020 International Tandem Axle Dump Truck Chassis Model HV607 SBA and Aftermarket Dump and Snow Equipment Package Purchasing Cooperative Proposal**

Public Works Director John Ingram reported that the 2019 Fiscal Year Budget includes the purchase of one (1) heavy duty tandem axle dump truck with snow and ice control equipment for the Utilities Division of Public Works.

The village is a member of Sourcewell (formerly the National Joint Powers Alliance (NJPA)) a purchasing cooperative that provides competitive pricing for equipment purchases. As a member of Sourcewell, we are eligible to purchase the tandem axle chassis and the aftermarket dump body and snow equipment package through the cooperative, including installation. Rush Truck Center of Northern Illinois from Huntley, Illinois has the Sourcewell contract # 081716-NVS and has submitted the cost quote of \$97,998.42 for one (1) 2020 International Tandem Axle Dump Truck Chassis model HV607 SBA and can deliver in approximately 90 days after receipt of order. Henderson Truck Equipment of Huntley, Illinois, has the Sourcewell contract # 080818-HPI and has submitted a cost quote in the amount of \$99,019.00 for the installation of a dump body and snow equipment package and can complete the equipment installation within 90 days after receipt of the chassis. Staff has reviewed the quotes and recommends purchasing the chassis and the installed equipment package utilizing these cooperative vendors. Both vendors have been used in the past with great success.

Chairman Fenton had comments and questions regarding this matter. (refer to audio file)

Director Ingram responded to Chairman Fenton's comments and questions. (refer to audio file)

I move to recommend to the Village Board to accept the Sourcewell Purchasing Cooperative proposal for the purchase of one (1) 2020 International Tandem Axle Dump Truck Chassis model HV607 SBA from Rush Truck Center of Northern Illinois of Huntley, Illinois for an amount not to exceed \$97,998.42;

And



Accept the Sourcewell Purchasing Cooperative proposal for the purchase and installation of the aftermarket dump body and snow equipment package from Henderson Truck Equipment of Huntley, Illinois for an amount not to exceed \$99,019.00.

**A motion was made by Trustee Dodge, seconded by Trustee Griffin Ruzich, that this matter be RECOMMENDED FOR APPROVAL to the Board of Trustees. The motion carried by the following vote:**

**Aye:** 3 - Chairman Fenton, Trustee Dodge, and Trustee Griffin Ruzich

**Nay:** 0

**2019-0122 One (1) 2019 Kubota Model RTV-X1100 Utility Vehicle with Rotary Broom Attachment - Purchasing Cooperative Proposal**

The 2019 Fiscal Year Budget includes the purchase of one (1) Utility Vehicle for the Parks and Grounds Department. The utility vehicle is used by the Parks Department for general maintenance activities at several facilities. The rotary broom attachment will be used year round for general cleaning of sidewalks and parking lots, including snow during the winter months.

The village is a member of Sourcewell (formerly the National Joint Powers Alliance (NJPA) a purchasing cooperative that provides competitive pricing for equipment purchases. The village is eligible to purchase the Kubota utility vehicle, model RTV-X1100, through the cooperative contract 062117-KBA. Four (4) quotes were requested from authorized Kubota dealerships: Russo Power Equipment of Schiller Park, Illinois - \$26,692.59; Burris Equipment of Joliet, Illinois - \$26,471.85; 1st Choice Equipment, LLC of Carol Stream, Illinois - \$26,471.85; Martin Implement of Orland Park, Illinois - \$26,471.85.

After review of the proposals staff recommends to accept Sourcewell discounted proposal submitted by our local business, Martin Implement of Orland Park, Illinois in the amount of \$26,471.85. They can deliver within 45 days after receipt of order.

I move to recommend to the Village Board to accept the Sourcewell Purchasing Cooperative proposal for the purchase of one (1) 2019 Kubota model RTV-X1100 with Rotary Broom Attachment from Martin Implement of Orland Park, Illinois for an amount not to exceed \$26,471.85.

**A motion was made by Trustee Griffin Ruzich, seconded by Trustee Dodge, that this matter be RECOMMENDED FOR APPROVAL to the Board of Trustees. The motion carried by the following vote:**

**Aye:** 3 - Chairman Fenton, Trustee Dodge, and Trustee Griffin Ruzich

**Nay:** 0

**2019-0124 PACE Municipal Vehicle Program - Resolution and Agreement**

Public Works Director John Ingram reported that in December, 2018 the Board approved a budget amendment for FY2019 to include the PACE Municipal Vehicle Program (MVP) as a more cost effective alternative to the former PACE Bus Dial-A-Ride transportation program.

The new program will utilize a 7 passenger van with lift, provided and maintained by PACE at a cost of \$100.00 per month. This program will service only persons with disabilities that pre-register with the village. The program is intended for operation 4 days a week on Monday, Wednesday, Thursday, Friday, with first pick-up after 8:00 AM and last drop-off by 3:00 PM. Service will not extend beyond the corporate limits of Orland Park.

In order to proceed with the program, the village must enter into an agreement with PACE. This agreement differs from the village's previous agreement in several ways. PACE will furnish the van and provide the village with a maintenance card that will allow village staff to bring the vehicle to a local shop for regular maintenance and repairs. As with the previous agreement, driver certification/training is also a requirement along with various other personnel related guidelines. Staff continues to work with PACE to ensure all requirements are appropriately addressed.

PACE has provided a draft resolution authorizing the Village of Orland Park, Illinois, to execute an agreement for the Municipal Vehicle Program with the Suburban Bus Division of the Regional Transportation Authority (PACE).

The Village Attorney has reviewed the agreement.

Trustee Ruzich had a question regarding this matter. (refer to audio file)

Director Ingram responded to Trustee Ruzich's question. (refer to audio file)

I move to recommend to the Village Board to pass a Resolution entitled: RESOLUTION AUTHORIZING THE EXECUTION OF THE PACE BUS MUNICIPAL VEHICLE PROGRAM AGREEMENT.

**A motion was made by Trustee Dodge, seconded by Trustee Griffin Ruzich, that this matter be RECOMMENDED FOR APPROVAL to the Board of Trustees. The motion carried by the following vote:**

**Aye:** 3 - Chairman Fenton, Trustee Dodge, and Trustee Griffin Ruzich

**Nay:** 0

**ADJOURNMENT: 7:18 P.M.**

A motion was made by Trustee Dodge, seconded by Trustee Griffin Ruzich, that this matter be ADJOURNED. The motion carried by the following vote:

**Aye:** 3 - Chairman Fenton, Trustee Dodge, and Trustee Griffin Ruzich

**Nay:** 0

**2019-0151 Audio Recording for the February 18, 2019 Committee Meetings -Technology, Innovation and Performance Improvement, Development Services, Planning and Engineering and Public Works**

**NO ACTION**

**/AB**

Respectfully Submitted,

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**John C. Mehalek, Village Clerk**