



**Agenda Item No: 17**

**City Council  
Agenda Supplement**

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**Meeting Date:**

July 19, 2022

**Item:**

Proposal Award – Wastewater Treatment Plant 3 Headworks (Sanitary Sewer Pumping Station Lift 12) Generator Replacement Design and Construction Engineering Consultant Services

**Staff Recommendation:**

Motion to adopt a Resolution authorizing the City Manager to execute an agreement with Fehr Graham for the Wastewater Treatment Plant 3 Headworks (Sanitary Sewer Pumping Station Lift 12) Generator Replacement Design and Construction Engineering Consultant Services in the amount of \$52,600.00, approve warranted changes for up to 10 percent of the agreement cost, and to approve warranted completion date extensions.

**Staff Contact:**

Michael P. Magnuson, P.E. Director of Public Works and Engineering

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**Background:**

The Wastewater Treatment Plant 3 Headworks (Sanitary Sewer Pumping Station 12) is located on Illinois Route 176 just west of Erick Street. The station currently has a diesel powered generator that is fed by an underground storage tank (UST). The generator has reached the end of its service life and it is no longer desirable to maintain a UST. The intent of the City is to install a natural gas fired generator and eliminate the need to store and re-fuel a tank on site.

Public Works posted an open invitation for proposals from engineering firms. Two proposals were received. The proposals were reviewed and scored based on lift station experience, understanding of the scope, staff qualifications, adequacy of hours and cost. The evaluation process (value index summarized below) ranked Ciorba Group slightly higher based on experience and scope, however their cost is significantly higher (51.7%) than Fehr Graham. When the qualifications and costs were considered together, Fehr Graham is ranked the highest (best value for the City). Fehr Graham recently completed the engineering to replace the generator at the Illinois Route 31 North Sanitary Sewer Pumping Station (Lift 22) and that project was bid and constructed to the satisfaction of the City with minimal change orders.

**Wastewater Treatment Plant 3 Headworks (Lift Station 12) Generator Replacement**

Proposal Ranking Excellent = 5 Very Good = 4 Good = 3 Acceptable = 2 Poor = 1 Unacceptable = 0	Committee's Relative Weight of Importance	Corba Group		Fehr Graham	
		Rating (0-5)	Weighted Rating	Rating (0-5)	Weighted Rating
Criteria	(1-10)				
Lift Station Experience in the general area (northeastern Illinois)	8	5	40.00	4	32.00
<u>Understanding of Project Scope:</u> Did the consultant properly identify key aspects of the specific design/ how to resolve them and not submit a generic approach?	9	5	45.00	2	18.00
Are the project hours by task appropriate and align with other consultant's submittals and past experience.	8	3	24.00	3	24.00
Project examples are pertinent and aligned with the proposed scope	6	5	30.00	2	12.00
Senior/ lead project team members have demonstrated experience, relevant experience in project examples, good performance on past CL projects	7	4	28.00	5	35.00
Total Weighted Rating	60		167.00		121.00
<b>PROPOSAL RANKING</b>			<b>2.78</b>	<b>2.02</b>	
Total Cost			\$79,795.00		\$52,600
Relative Cost Ranking (Formula ) (2.5 = avg. cost, points awarded/deducted for fee compared to avg)			1.99		3.01
<b>TOTAL VALUE RANKING =</b>			<b>2.38</b>	<b>2.52</b>	

**Recommendation:**

This contract is being presented pursuant to a request for qualification (RFQ) process. Under such process, the contract is to be awarded to the vendor whose proposal “will be the most advantageous to the City.” The City staff has reviewed the various proposals received, and determined that the recommended consultant is the most well-suited for the project.

Based on the proposals received, the City’s evaluation criteria and review by staff, it is the recommendation of staff that Fehr Graham be selected for the design and construction engineering services. This project is included in the Fiscal Year 2022/2023 Capital Budget.

**Votes Required to Pass:**

Simple majority



## **RESOLUTION**

**WHEREAS** the CITY OF CRYSTAL LAKE has identified the need to replace the emergency electrical generator at the Wastewater Treatment Plant 3 Headworks (Sanitary Sewer Pumping Station 12); and

**WHEREAS**, the CITY requires consultant design and construction engineering services; and

**WHEREAS** proposals were publically solicited and reviewed resulting in a determination that Fehr Graham offered a proposal that is the most advantageous to the City.

**NOW THEREFORE BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CRYSTAL LAKE** that the foregoing recitals are repeated and incorporated as though fully set forth herein; and

**BE IT FURTHER RESOLVED** that the City Manager is authorized to execute an agreement with Fehr Graham for design and construction engineering services in the amount of \$52,600.00; and

**BE IT FURTHER RESOLVED** that the City Manager is authorized to approve warranted changes orders for up to ten percent (10%) of the agreement value and to approve warranted time extensions.

**DATED** this 19<sup>th</sup> day of July, 2022.

CITY OF CRYSTAL LAKE, an  
Illinois municipal corporation,

By: \_\_\_\_\_  
Haig Haleblian, MAYOR

SEAL

ATTEST

\_\_\_\_\_  
Nick Kachiroubas, CITY CLERK

PASSED: July 19, 2022  
APPROVED: July 19, 2022

Draft



**Agenda Item No: 18**

**City Council  
Agenda Supplement**

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**Meeting Date:**

July 19, 2022

**Item:**

Ordinance waiving the bidding requirements under City Code Section 102-3 and for authorization to enter into agreements for the procurement of water treatment chemicals

**Staff Recommendation:**

Motion to adopt an Ordinance waiving competitive bidding and authorizing the City Manager to:

a). Execute a contract from August 1, 2022 through September 30, 2022 with Alexander Chemical Corporation for the purchase of chlorine gas at \$1.36 per pound (\$204 per 150 pound cylinder) plus a \$75 delivery fee; and

b). Execute a contract (August 1, 2022 through September 30, 2022) with Carus, LLC for the purchase of ortho poly phosphate at \$0.78/pound (\$8.89 per gallon.) and \$0.86/lb. (\$9.80/gallon) from October 1, 2022 through December 31, 2022

**Staff Contact:**

Michael Magnuson, Director of Public Works and Engineering

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**Background:**

The City of Crystal Lake annually requests bids for chemicals used in the water treatment process. The chemicals used are chlorine (gaseous form) for disinfection, ortho poly phosphates for corrosion control and sequestration, and hydrofluosilicic acid (fluoride). These chemicals are used at the City's five water treatment plants to comply with drinking water standards set by the Illinois Environmental Protection Agency (IEPA). The term of the contracts has historically been one year with an option for a second year at a given bid price.

Supply chain and global demand issues associated with the production of the raw materials utilized to produce chlorine gas and ortho poly phosphate have resulted in the material suppliers to our current vendors declaring "force majeure" and imposing cost increases. The manufacturer/suppliers of our chemicals have indicated that they can no longer honor the contract prices bid in November of 2021.

The City has previously reached out to a number of municipalities such as Wilmette, Evanston, Highland Park and they are experiencing, or have experienced, recent significant cost increases. Some have taken City Council action to purchase chemicals at a higher cost or for a shorter duration than one year. Other local municipalities are purchasing on a periodic basis or waiving bidding requirements. Staff has also reached out to other vendors that have historically bid on the City's contract and they stated that they have been directed to not enter into new contracts with customers because the supply is very limited. In other words, vendors are working hard to maintain adequate supplies for their current customers and will not take on additional business.

In further discussions with our vendors, the chlorine supplier will hold a 60 day price (August and September). The proposed price for chlorine will be \$1.36 per pound (\$204 per cylinder) plus a \$75 delivery charge. Our current price is \$1.213 per pound (\$182 per 150 pound cylinder) with no delivery charge.

The ortho and poly phosphate vendor will extend their current price of \$0.78/pound (\$8.89 per gallon) through the end of September at which time the price will increase to \$0.86/lb. (\$9.80 per gallon) and they will hold that price through the end of the year.

**Recommendation:**

Based on the volatility of the market and supply limitations, it is staff's recommendation to waive the bidding requirements and authorize the City Manager to enter into a purchase agreement with Alexander Chemical Corporation for Chlorine Gas through September 30, 2022 and Carus LLC for Ortho Poly Phosphate through December 31, 2022 in the amounts noted. Staff will evaluate the market and availability from other vendors prior to the end of the year. Market conditions do not appear likely to resolve prior to then.

**Votes Required to Pass:**

Two-thirds majority vote of Council members holding office (5 affirmative votes).

## Michael Magnuson P.E.

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**From:** Sean Park  
**Sent:** Tuesday, July 12, 2022 1:35 PM  
**To:** Michael Magnuson P.E.  
**Cc:** Denver Schmitt; Adam Behrns  
**Subject:** FW: Chlorine market/Crystal Lake

Mike,

Here is the updated chlorine pricing for Aug and Sept from Alexander Chemical.

8/1 – 9/30 \$1.36/lb. (\$204/cyl.)

They did not provide a price for October as they do quarterly pricing. They are also implementing a \$75 delivery fee per load.

We receive one load per week, and cannot decrease our delivery frequency due to hazardous materials storage requirements.

-Sean



Sean Park | Superintendent | Public Works



*City Of Crystal Lake* | 100 W. Woodstock St. | Crystal Lake, IL 60014

Website: [www.crystallake.org](http://www.crystallake.org) | Phone: 815-356-3700 x4047

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**From:** Gleason, Patty <Patty.Gleason@alexchem.com>  
**Sent:** Tuesday, July 12, 2022 12:32 PM  
**To:** Sean Park <spark@crystallake.org>; Sarver, Sabrina <Sabrina.Sarver@alexchem.com>; Leapley, Nickolle <Nickolle.Leapley@alexchem.com>  
**Subject:** FW: Chlorine market/Crystal Lake

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Sean please see below for the Q3 pricing for Crystal Lake and please let me know if you have any questions.  
patty

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**From:** Sarver, Sabrina <[Sabrina.Sarver@alexchem.com](mailto:Sabrina.Sarver@alexchem.com)>  
**Sent:** Tuesday, July 12, 2022 12:06 PM  
**To:** Gleason, Patty <[Patty.Gleason@alexchem.com](mailto:Patty.Gleason@alexchem.com)>  
**Cc:** Leapley, Nickolle <[Nickolle.Leapley@alexchem.com](mailto:Nickolle.Leapley@alexchem.com)>; Haney, Cheyenne <[Cheyenne.haney@alexchem.com](mailto:Cheyenne.haney@alexchem.com)>; Davidson, Rob <[Rob.Davidson@alexchem.com](mailto:Rob.Davidson@alexchem.com)>  
**Subject:** RE: Chlorine market/Crystal Lake

## Michael Magnuson P.E.

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**From:** Sean Park  
**Sent:** Tuesday, July 12, 2022 1:45 PM  
**To:** Michael Magnuson P.E.  
**Cc:** Denver Schmitt; Adam Behrns  
**Subject:** FW: CARUS™ 8600 water treatment chemical

Mike,

Carus is honoring their current price \$0.78/lb. (\$8.89/gal.) for Orthophosphate through 9/30/2022.

10/1/2022 – 12/31/2022 the price will increase to \$0.86/lb. (\$9.80/gal.)

-Sean

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**From:** Smith, Barbie <Barbie.Smith@carusllc.com>  
**Sent:** Wednesday, July 6, 2022 5:22 PM  
**To:** Sean Park <spark@crystallake.org>  
**Cc:** Denver Schmitt <dschmitt@crystallake.org>; Trilikis, Melissa <Melissa.Trilikis@carusllc.com>  
**Subject:** RE: CARUS™ 8600 water treatment chemical

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Sean,

Thanks for reaching out to me with regards to pricing for Q4 2022.

The market remains volatile as we continue to see increases in the PPI Index as our main indicator, along with further discussions with our main raw material suppliers.

We can offer \$ .86/lb delivered for CARUS™ 8600 water treatment chemical for shipments in October – December 2022.

Please let me know if anything further is needed.



**Barbie Smith**  
Inside Sales Manager  
815-224-6593 | 815-252-1707  
[barbie.smith@carusllc.com](mailto:barbie.smith@carusllc.com)  
[carusllc.com](http://carusllc.com)

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**From:** Sean Park <spark@crystallake.org>  
**Sent:** Wednesday, June 1, 2022 7:39 AM  
**To:** Smith, Barbie <[Barbie.Smith@carusllc.com](mailto:Barbie.Smith@carusllc.com)>





**ORDINANCE APPROVING THE WAIVER OF COMPETITIVE BIDDING IN ORDER TO ENSURE PROCUREMENT OF WATER TREATMENT CHEMICALS**

**WHEREAS**, the City annually requests bids for chemicals used in connection with the water treatment process; and

**WHEREAS**, in December of 2021, the City entered into an agreement with Alexander Chemical Corporation (“Alexander”) to provide chlorine gas and with Carus, LLC (“Carus”) to provide ortho poly phosphate (hereinafter, chlorine gas and ortho poly phosphate are referred to individually, or collectively referred to as the “Chemicals”); and

**WHEREAS**, both the contract with Alexander and the contract with Carus provided that the vendors would supply the Chemicals to the City at a fixed price through December of 2022; and

**WHEREAS**, the Contract between the City and Alexander established a price of \$0.869 per pound of Chlorine the contract between the City and Carus established a price of \$8.094 per gallon of ortho poly phosphate; and

**WHEREAS**, supply chain issues associated with the production of raw materials utilized to produce chlorine gas and ortho poly phosphate, created, in part by the ongoing conflict in Ukraine and plant disruptions due to fire (chlorine gas), have caused suppliers to chemical vendors to assert claims of *force majeure* and maintain that they cannot supply product at agreed upon pricing; and

**WHEREAS**, both Alexander and Carus have indicated that they have been significantly impacted by these supply chain issues and have indicated that they can no longer honor the pricing which they agreed to prior to the conflict in Ukraine and chlorine gas supply issues; and

**WHEREAS**, the Chemicals are critical to the ability of the City to safely operate its water treatment facilities; and

**WHEREAS**, Alexander has indicated that it would continue to supply chlorine gas to the City at a fixed price of \$1.213 per pound (\$182/150 pound cylinder) through July, 2022;

**WHEREAS**, Carus has indicated that it would continue to supply ortho poly phosphate to the City at a fixed price of \$0.78/pound (\$8.89 per gallon); and

**WHEREAS** Alexander and Carus have indicated that supply chain and material shortage conditions have not mitigated and require additional cost increases; and

**WHEREAS**, Alexander has indicated that it would continue to supply chlorine gas to the City at a fixed price of \$1.36 per pound (\$204/150 pound cylinder) with a \$75 delivery charge through September, 2022;

**WHEREAS**, Carus has indicated that it would continue to supply ortho poly phosphate to the City at a fixed price of \$0.78/pound (\$8.89 per gallon) through August and then a fixed price of \$0.86/pound (\$9.80 per gallon) through December 2022; and

**WHEREAS**, §102-3(A)(9) of the City Code allows the City to enter into contracts for the procurement of goods, without the necessity of public bidding upon a vote of two-thirds of the Council Members then holding office; and

**WHEREAS**, in order to ensure a continued supply of the Chemicals and to provide City Staff with the opportunity to seek new competitive bids from vendors of the Chemicals, the Mayor and City Council have found and determined that it is in the best interests of the City and its residents to waive competitive bidding and to authorize the City Manager to enter into agreements with Alexander and Carus for the supply of chlorine gas and ortho poly phosphate, respectively; and

**NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CRYSTAL LAKE THAT:**

SECTION ONE. Recitals. The foregoing recitals are incorporated as though fully set forth herein.

SECTION TWO. Waiver of Competitive Bidding and authorization to enter into Agreements with Alexander Chemical Corporation and Carus, LLC. The Mayor is hereby authorized to enter into agreements, in such form as may be approved by the Mayor, for the purchase of chlorine gas and ortho poly phosphate in such amounts as may be needed for use in the City's water treatment facilities, without the necessity of seeking competitive bids, as follows:

1. Purchase of Chlorine Gas from Alexander Chemical Corporation. Chlorine gas may be purchased from Alexander Chemical Corporation at the price of \$1.36 per pound (\$204 per 150 pound cylinder for the period of August 1, 2022 through September, 2022.

2. Purchase of Ortho Poly Phosphate from Carus, LLC. Ortho poly phosphate may be purchased from Carus, LLC at the price of \$0.78/pound (\$8.89 per gallon.) for the period of August 1, 2022 through August 31, 2022 and then for a price of \$0.86/lb. (\$9.80/gallon) from September 1, 2022 through December 31, 2022

SECTION THREE. Effective Date. This Ordinance shall be in full force and effect after its passage, approval, and publication in pamphlet form in the manner provided by law.

DATED this 19<sup>th</sup> day of July, 2022

APPROVED:

\_\_\_\_\_  
Haig Haleblian, MAYOR

ATTEST:

\_\_\_\_\_  
Nick Kachiroubas, CITY CLERK

PASSED: July 19, 2022  
APPROVED: July 19, 2022

Published in pamphlet form by the authority of the Mayor and City Council of the City of Crystal Lake.



**Agenda Item No: 19**

**City Council  
Agenda Supplement**

**Meeting Date:** July 19, 2022

**Item:** Bid Award – Edgewater Drive and Fair Oaks Avenue Rain Gardens Earthwork Services

**Staff Recommendation:** Motion to adopt a Resolution awarding the contract for the Edgewater Drive and Fair Oaks Avenue Rain Gardens Earthwork Services to the lowest responsive and responsible bidder, DK Contractors Inc., in the amount of \$55,473.00, execute change orders for up to 10% of the contract amount, and approve warranted completion date change orders relating to the contract.

**Staff Contact:** Michael Magnuson, P.E., Director of Public Works and Engineering

**Background:**

The City’s Stormwater Solutions initiative identified implementing rain gardens on two parcels of City owned property. These parcels will be excavated to create storage for stormwater and then planted with turf grass and native plants. The Edgewater Drive Rain Garden will have a turf grass area on the west for neighborhood use with the remainder of the parcel being the rain garden. The Fair Oaks Avenue Rain Garden will have a turf grass perimeter. The native planting areas are depicted in purple below. The plans are a result of a collaborative public meeting held on April 21, 2022 with adjacent residents.

Edgewater Drive Rain Garden Plan



Fair Oaks Avenue Rain Garden



On July 6, 2022, the City of Crystal Lake publicly opened and read aloud the bids received for the Rain Gardens Earthwork Services project. A separate bid will be awarded for the ecological work. The following is a breakdown of the bids received:

<b>Contractor</b>	<b>Base Bid</b>
✓ DK Contractors	\$55,473.00
Gaylor Excavating	\$72,600.00
Copenhaver Construction	\$97,500.00

✓ Indicates lowest responsive and responsible bidder

The contractor will be responsible for topsoil excavation, stockpile and spreading, excavation and removal of soil for the rain gardens and installation of a drywell at the Edgewater Drive Rain Garden.

The rain gardens project will be constructed in two stages. First will be the earthwork contract followed by the ecological services contract. The two contracts together total \$68,156.75 for both rain gardens. The City received grant funding from ComEd (\$10,000) and through the McHenry County Capital Development Block Grant (\$17,000) for a total of \$27,000. This will reduce the total cost of the project (ecological contract and excavation contract for both rain gardens) by approximately 40%.

**Recommendation**

This contract is being presented pursuant to a competitive bidding process. Under such process, the contract is to be awarded to the “lowest responsive and responsible bidder.” The lowest responsive and responsible bidder is the contractor: (i) whose bid substantially conforms to the material provisions of the bid specifications, (ii) who demonstrates the financial capacity and ability to undertake and complete the project in question in accordance with bid specifications, and (iii) whose bid price is lowest among the responsive and responsible bidders. Selecting a contractor on bases not set forth in the bid specifications can lead to challenges to the City’s award.

The Public Works Department has reviewed the bids received for completeness and accuracy in accordance with the invitation to bid document. Staff recommends that the contract for Rain Gardens Earthwork Services project be awarded to the lowest responsive and responsible bidder, DK Contractors, Inc. in the amount of \$55,473.00.

Funding is available in the FY2022/2023 Capital budget.

**Votes Required to Pass:**

Simple majority



## RESOLUTION

**WHEREAS** the CITY OF CRYSTAL LAKE is desirous of implementing stormwater management improvements in the form of rain gardens located on City property at the Edgewater Drive/Clover Drive intersection and at Fair Oaks Avenue near Corrine Avenue; and

**WHEREAS** the CITY received and publicly opened bids for earthwork services for these rain gardens on July 6, 2022; and

**WHEREAS** the lowest responsive and responsible bidder is DK Contractors.

**NOW THEREFORE BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CRYSTAL LAKE** that the foregoing recitals are repeated and incorporated as though fully set forth herein; and

**BE IT FURTHER RESOLVED** that the City Manager is authorized to execute a contract between the CITY OF CRYSTAL LAKE and DK Contractors, Inc. for the Rain Gardens Earthwork Services project in the amount of \$55,473.00; and

**BE IT FURTHER RESOLVED** that the City Manager is authorized to execute change orders for up to 10% of the contract amount and to approve warranted completion date change orders relating to the contract.

**DATED** this 19<sup>th</sup> day of July, 2022.

CITY OF CRYSTAL LAKE, an  
Illinois municipal corporation,

By: \_\_\_\_\_  
Haig Halebian, MAYOR

SEAL

ATTEST

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Nick Kachiroubas, CITY CLERK

PASSED: July 19, 2022

APPROVED: July 19, 2022

Draft





**Agenda Item No: 20**

**City Council  
Agenda Supplement**

**Meeting Date:** July 19, 2022

**Item:** Bid Award – Edgewater Drive and Fair Oaks Avenue Rain Gardens Ecological Services

**Staff Recommendation:** Motion to adopt a Resolution awarding the contract for the Edgewater Drive and Fair Oaks Avenue Rain Gardens Ecological Services project to the lowest responsive and responsible bidder, Baxter and Woodman Natural Resources, LLC, in the amount bid, execute change orders for up to 10% of the contract amount, and approve warranted completion date change orders relating to the contract.

**Staff Contact:** Michael Magnuson, P.E., Director of Public Works and Engineering

**Background:**

The City’s Stormwater Solutions initiative identified implementing rain gardens on two parcels of City-owned property. These parcels will be excavated to create storage for stormwater and then planted with turf grass and native plants. The Edgewater Drive Rain Garden will have a turf grass area on the west for neighborhood use with the remainder of the parcel being the rain garden. The Fair Oaks Avenue Rain Garden will have a turf grass perimeter. The native planting areas are depicted in purple below. The plans are a result of a collaborative public meeting held on April 21, 2022 with adjacent residents.

Edgewater Drive Rain Garden Plan



Fair Oaks Avenue Rain Garden



On March 2, 2022, the City of Crystal Lake publicly opened and read aloud the bids received for the Rain Gardens Ecological Services project. A separate bid will be awarded for the excavation work. The following is a breakdown of the bids received:

<b>Contractor</b>	<b>Total Bid Cost</b>
✓ Baxter and Woodman Natural Resources LLC	\$12,683.75
ENCAP, Inc.	\$32,253.75
Blue Stem	\$50,207.00
Nettle Creek Nursery	\$57,760.00

✓ Indicates lowest responsive and responsible bidder

The ecological services contractor will be responsible for seeding, planting and installing erosion control blanket. The contractor will also provide maintenance and monitoring of the rain gardens area for three-years which is the amount of time it takes for native plantings to establish.

The rain gardens project will be constructed in two stages. First will be the earthwork contract followed by the ecological services contract. The two contracts together total \$68,156.75 for both rain gardens. The City received grant funding from ComEd (\$10,000) and through the McHenry County Capital Development Block Grant (\$17,000) for a total of \$27,000. This will reduce the total cost of the project (ecological contract and excavation contract for both rain gardens) by approximately 40%.

**Recommendation**

This contract is being presented pursuant to a competitive bidding process. Under such process, the contract is to be awarded to the “lowest responsive and responsible bidder.” The lowest responsive and responsible bidder is the contractor: (i) whose bid substantially conforms to the material provisions of the bid specifications, (ii) who demonstrates the financial capacity and ability to undertake and complete the project in question in accordance with bid specifications, and (iii) whose bid price is lowest among the responsive and responsible bidders. Selecting a contractor on bases not set forth in the bid specifications can lead to challenges to the City’s award.

The Public Works Department has reviewed the bids received for completeness and accuracy in accordance with the invitation to bid document. Staff recommends that the contract for Rain Gardens Ecological Services project be awarded to the lowest responsive and responsible bidder, Baxter and Woodman Natural Resources LLC in the amounts bid.

Funding is available in the FY2022/2023 Capital budget.

**Votes Required to Pass:**

Simple majority



## **RESOLUTION**

**WHEREAS** the CITY OF CRYSTAL LAKE is desirous of implementing stormwater management improvements in the form of rain gardens located on City property at the Edgewater Drive/Clover Drive intersection and at Fair Oaks Avenue near Corrine Avenue; and

**WHEREAS** the CITY received and publicly opened bids for ecological services for these rain gardens on March 2, 2022; and

**WHEREAS** the lowest responsive and responsible bidder is Baxter and Woodman Natural Resources LLC, Crystal Lake, IL.

**NOW THEREFORE BE IT RESOLVED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF CRYSTAL LAKE** that the foregoing recitals are repeated and incorporated as though fully set forth herein; and

**BE IT FURTHER RESOLVED** that the City Manager is authorized to execute a contract between the CITY OF CRYSTAL LAKE and Baxter and Woodman Natural Resources LLC for the Rain Gardens Ecological Services project in the amount of \$12,683.75; and

**BE IT FURTHER RESOLVED** that the City Manager is authorized to execute change orders for up to 10% of the contract amount and to approve warranted completion date change orders relating to the contract.

**DATED** this 19<sup>th</sup> day of July, 2022.

CITY OF CRYSTAL LAKE, an  
Illinois municipal corporation,

By: \_\_\_\_\_  
Haig Halebian, MAYOR

SEAL

ATTEST

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Nick Kachiroubas, CITY CLERK

PASSED: July 19, 2022

APPROVED: July 19, 2022

Draft



## Agenda Item No: 21

### City Council Agenda Supplement

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**Meeting Date:**

July 19, 2022

**Item:**

Discussion Only – Provisions for a multi-use path crossing of Randall Road as part of upcoming McHenry County Division of Transportation (County) Northern Section Randall Road Improvements

**Staff Recommendation:**

Discussion Only

**Staff Contact:**

Michael P Magnuson, Director of Public Works and Engineering  
Abigail Wilgreen, City Engineer

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**Background:**

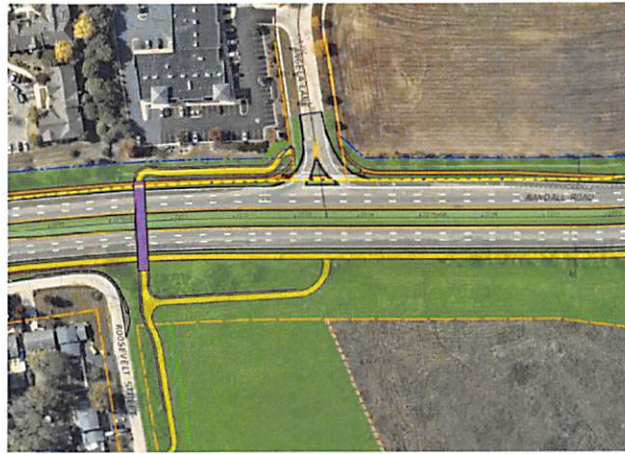
The McHenry County Division of Transportation (County) is working on the final design of the northern section of Randall Road from south of Ackman Road to Acorn Lane/Polaris Drive (where existing 6 lane section ends). As part of the design engineering, the County reviewed possible locations for a separated (overpass bridge or underpass tunnel) multi-use path crossing of Randall Road. The proposed Randall Road project will install a continuous multi-use path along the east side of Randall Road and a sidewalk along the west side of Randall Road. Either option (bridge or tunnel) would require financial participation by the City. If a tunnel is preferred over a bridge, it will have to be designed and funded in the next 9 months and then constructed as part of the County's project. The 9 month timeframe constraint is based on the County's current schedule for the project (late 2023 bid opening.) An overpass structure could be funded and constructed in the future, after the County's improvement. Staff is seeking direction from City Council regarding:

- Desire to commit to fund improvements (grant funding may or may not be available)
- Preference for overpass (could be funded later) versus underpass (funding required now)

**Discussion:**

In reviewing the location options provided by the County at a meeting on April 29, 2022, a tunnel underneath Randall Road just south of Angela Lane is the most feasible location. An overpass would likely be in this same general area. An overpass at or closer to Ackman Road does not appear feasible because of the proximity to the Lake in the Hills Airport.

- The path would connect Crystal Lake residents on the west side with the County’s north-south path on Randall. It would also provide future access to the McHenry County Conservation Districts’ Lake in the Hills Fen property. There are no existing path connections to the Fen from Randall Road. There is a Master Plan for the Fen that identifies the potential for a future path through the Fen to Pyott Road.



It is staff’s understanding that while identified in the Master Plan, there is not a near-term project to implement this amenity by the District.

- The path along the east side of Randall Road will provide a direct off-street route to destinations south of Miller Road. On-street local streets west of Randall Road could provide the same functionality to the south, down to Miller Road.
- A pedestrian bridge may not be allowed near Ackman Road or McHenry Avenue due to the flight path for the Lake in the Hills Airport.
- As part of a future project, McHenry County will be adding pedestrian signal heads and crosswalks at the Rakow Road/Ackman Road intersection after the completion of the Randall Road project. This will provide a pedestrian connection from the bike trail along Ackman Road and McHenry Avenue to the businesses at this intersection and to the south.

*Estimated Costs*

- The estimated cost of a pedestrian underpass and the paths leading up to the underpass south of Angela Lane is \$3.08 million. A pedestrian overpass would likely be less.
- The estimated cost of the design engineering to add the pedestrian underpass to the County’s Randall Road improvements is \$215,600. The City would be responsible for 100% of this cost.
- The potential exists for the City to apply for a federal ITEP grant in the fall and/or a federal TAP/CMAQ/STP grant in January 2023 to cover 80% of the improvement. The award announcements will be in 2023. The County would support the City’s applications.
- County staff has expressed that the County is willing to financially participate at 50% with the cost of construction should the grant be awarded.

The following outlines potential funding scenarios:

**Assumes no grant is awarded for the improvement:**

<i>Phase</i>	<i>Total</i>	<i>City Share</i>	<i>County Share</i>
Design Engineering	\$215,600	\$215,600	\$0
Construction	\$3,080,000	\$3,080,000	\$0
Construction Engineering	\$308,000	\$308,000	\$0
<b><i>Total</i></b>	<b><i>\$3,603,600</i></b>	<b><i>\$3,603,600</i></b>	<b><i>\$0</i></b>

**Assumes a federal grant is awarded for the improvement:**

<i>Phase</i>	<i>Total</i>	<i>Grant</i>	<i>City Share</i>	<i>County Share</i>
Design Engineering	\$215,600	\$0	\$215,600	\$0
Construction	\$3,080,000	\$2,464,000	\$308,000	\$308,000
Construction Engineering	\$308,000	\$246,400	\$30,800	\$30,800
<i>Total</i>	<i>\$3,603,600</i>	<i>\$2,710,400</i>	<i>\$554,400</i>	<i>\$338,800</i>

*Maintenance*

- County staff has expressed that the long-term maintenance of the physical pedestrian underpass could be split 50% County/50% City.
- The path leading up to the pedestrian underpass and any aesthetic treatments would be 100% funded and maintained by the City.
- For reference, the Rakow Road (Prairie Trail) overpass is 100% McHenry County Conservation District maintenance responsibility. The newly installed Randall Road underpass in Algonquin (feeds commercial areas and Jacobs High School) is 50% County/50% Algonquin for the underpass and the cost of the path approaches and aesthetic treatments and leading up to the underpass are 100% the responsibility of the Village of Algonquin.

The County is requesting the City's decision regarding the inclusion of the pedestrian underpass in the Randall Road improvement project as soon as possible. They are on track, assuming all the right-of-way is secure, for the project to be bid out for construction the end of 2023. Due to this shortened timeframe, the City does not have adequate time to secure any federal funding prior to making a decision. The County has requested the City agree to fund the pedestrian underpass prior to securing the grant. Should the City agree to move forward with the pedestrian underpass, an Intergovernmental Agreement will be drafted for review and approval by City Council.

**Votes Required to Pass:**

Discussion Only.