



MEMORANDUM

To: Scott Niehaus, Village Manager
From: Brian M. Jack, Utilities Superintendent *BW*
Through: Carl S. Goldsmith, Director of Public Works *g*
Date: July 22, 2021
Subject: **Waiver of Bids – McIntire Management Group**
 Little John Digester for Fairview Lift Station

Background

To address grease and odor issues related to the Fairview Lift Station, the Water Treatment and Wastewater Pumping Division (WTWWP) sought out numerous potential solutions to alleviate the Fats, Oils and Grease (FOG) and Hydrogen Sulfide (H₂S) issues, i.e. rotten-egg odor that plague the Fairview Lift Station wet well and force main at 1134 South Fairview Avenue.

Flow from the station is pumped through approximately 9,319 feet of force main to a gravity sewer located at the intersection of Edson and Wilson Avenue. This lift station is a critical component to the surrounding area taking in large volumes of wastewater and storm water from this neighborhood as well as the Westmore Lift Station. In 2015, this lift station was completely renovated and involved the replacement of existing sewage pumps, existing wet well rehabilitation, new top slabs for existing structures, new "low flow" wet well with new pumps, new pump control panel, natural gas-powered back-up generator, flow meter, low level security lighting, and site improvements which included a new concrete driveway and turf restoration.

In addition to the large volume of wastewater pumped each day from this facility, FOG and odor issues are prevalent in the neighborhood. The hydrogen sulfide or rotten egg odors released on Central Ave at the air release valve have resulted in many resident complaints during the summer months. Staff researched and installed a manhole scrubber device that absorbs these odors into a media material to help minimize the odor leaving the air release manhole. The Village spends approximately \$5,000 each year for odor control and FOG Control agents that are added to the wet well and air release valve manhole in an attempt combat the FOG and odor issues created in the station. Staff also routinely cleans the wet well with high pressure water to break down the FOG to help before odor issues occur. Staff also contracts with Xylem Water Solutions to annually remove the pumps from the station to inspect each of the four pumps for signs of damage or degradation from the FOG and H₂S. During summer

months, hot weather and minimal rainfall causes the wastewater in the force main to produce higher volumes of hydrogen sulfide gases that reach levels too high for the existing odor control mechanisms to work.

WTWWP researched two patented solutions for combatting this problem. One chemical and one mechanical that could be installed to eliminate the FOG and odor issues in both the wet well and force main. The two systems are; The Little John Digester offered by MMG Management Group, and the nitrate-based odor control chemical treatment offered by the company USP Technologies. Each system uses patented technology to remove FOG, eliminate grease build up and matting, remove sludge build up, reduce H₂S gases, and reduce the rate of corrosion inside the wet well.

In 2019, the Village installed a Little John Digester inside the Yorktown Lift Station which has performed very well. The FOG and odors have been mitigated significantly and chemical costs have been reduced in the budget by about \$10,000 annually. The unit is small, makes very little noise and is easy to maintain.

The Village contacted USP Technologies from a reference from the Glenbard Wastewater Authority that uses USP Technology chemical treatment at their facility. Results are favorable however significant funding would be needed to construct a shed at Fairview Lift Station which would contain a large drum of chemical and required pumping equipment. Monthly semi-truck deliveries of nitrate would be required, and chemical costs are estimated at more than \$6,000 per month in addition to the initial investment of \$14,800 to prepare Fairview Lift Station for chemical treatment. Total annual costs for this option beyond the initial startup could be in the range of \$72,000 annually. This lift station is also located next to a park in a residential neighborhood. In discussion staff determined that the installation and storage of chemicals in this location would not be favorable.

Discussion

To expedite construction and to minimize construction observation time, the Public Works Department directly solicited a proposal from two pre-selected qualified contractors who specialize in these patented technologies. Documents and a scope of work were developed specifically for Yorktown Lift Station and sent to the McIntire Management Group (Little John Digester) and USP Technologies.

The following two (2) firms submitted a proposal:

SUPPLIER	TYPE OF SYSTEM	TOTAL
McIntire Management Group of Kansas City, MO	Little John Digester	\$49,704.00
USP Technologies of Atlanta, GA	USP Technologies	\$86,800.00

The proposals were checked to ensure that the suppliers were providing the needed and necessary equipment. The Water Treatment and Wastewater Pumping Division requests that we waive the formal bidding process and accept the lowest, responsible proposal for the Little John Digester for Fairview Lift Station from McIntire Management Group of Kansas City, MO and authorize an agreement to pre-purchase the system in an amount not to exceed \$49,704.00. McIntire Management Group supplied the air release valves for the Fairview Lift Station force main project in 2018 and the Little John Digester for Yorktown Lift Station in 2019. They were accommodating and easy to work with and their products have performed well. They are considered a reliable and responsive vendor.

This expenditure was to be budgeted for in the FY 2022 CIP, however, staff was directed to pursue the purchase in FY 2021 during budget review meetings. In discussions with McIntire Management Group, they offered a demo period of their system to the Village in 2021 with the understanding that they would not receive payment for the system until a trial period is completed. The company is taking a proactive approach in helping the Village benefit from the new system immediately by having it installed in the late summer of 2021 to ensure that the system will function as intended. If the unit is not performing as designed, the Village can return the unit at no cost. After the trial period the Village is required to process their invoice no later than December 15, 2021.

Recommendations:

Please request the Board of Trustees to waive the formal bidding process and accept the lowest, responsible proposal for the Little John Digester for Fairview Lift Station from McIntire Management Group of Kansas City, MO and authorize an agreement in an amount not to exceed \$49,704.00 at the August 19th, 2021 meeting. Sufficient funds for this procurement exist in the current budget in account 520.790.715.75420 RM PROG 51.

Please execute signature on the attached contract and return two copies to the Water Treatment and Wastewater Pumping Division for further processing.

VILLAGE OF LOMBARD

Contract for the Little John Digester for Fairview Lift Station

This agreement is made this 19th day of August, 2021, by and between, and shall be binding upon, the Village of Lombard, an Illinois municipal Corporation hereinafter referred to as (the "Village") and McIntire Management Group of Kansas City, MO hereinafter referred to as (the "Contractor").

Witnesseth That in consideration of the mutual promises of the parties delineated in the Contract Documents, the Contractor agrees to sell and the Village agrees to pay for the following described items as set forth in the Contract Documents:

Little John Digester for Fairview Lift Station in an amount not to exceed \$49,704.00

1. This Contract shall embrace and include all of the applicable Contract Documents listed below as if attached hereto or repeated herein:
 - a. The Contractor's Proposal #2277 dated July 20th, 2020
 - b. Required Certificate of Insurance, Indemnification, Venue, Other Contractor Responsibilities
2. The Village agrees to pay for the system in December 2021 after the demo period, and the Contractor agrees to accept as full payment for the items which are the subject matter of this Contract the total sum of \$49,704.00 paid in accordance with the provisions of the Local Government Prompt Payment Act and the provisions of the Contract Documents.
3. Risk of loss, destruction or damage of or to goods under this Contract shall be on contractor until delivery of the goods to the Village and acceptance of the goods by the Village.
4. The Contractor agrees to perform the terms of this Contract according to the following schedule set forth in their quotation after the Notice to Proceed has been delivered.

IN WITNESS WHEREOF, the Village of Lombard, Illinois by Village President, and the Contractor have hereunto set their hands this 19th day of August 2021.

If an individual or partnership, all individual names of each partner shall be signed or if a corporation, an officer duly authorized shall sign here:

Accepted this __ day of _____, 20__.

Individual or Partnership _____ Corporation _____

By Position/Title

By Position/Title

Print Company Name

THE VILLAGE OF LOMBARD, ILLINOIS

Accepted this 19th day of August 2021.

Keith T. Giagnorio
Village President

Attest:

Elizabeth Brezinski
Village Clerk

**VILLAGE OF LOMBARD
CONTRACTOR'S CERTIFICATION**

_____, having been first duly sworn, depose and states as follows:
(Officer or Owner of Company)

I am the _____ for _____,
(Title) (Name of Company)

(the "Contractor"), which has submitted a proposal for the Little John Digester for Fairview Lift Station to the Village of Lombard and, having personal knowledge of the matters certified to herein, and being authorized by the Contractor to make the certifications set forth herein, hereby certifies that said Contractor:

1. has a written sexual harassment policy in place, in full compliance with 775 ILCS 5/2-105(A) (4);
2. is not delinquent in the payment of any tax administered by the Illinois Department of Revenue, or if it is:
 - a. it is contesting its liability for the tax or the amount of tax in accordance with procedures established by the appropriate revenue Act; or
 - b. it has entered into an agreement with the Department of Revenue for payment of all taxes due and is currently in compliance with that agreement;
3. is in full compliance with the Federal Highway Administration Rules on Controlled Substances and Alcohol Use and Testing, 49 CFR Parts 40 and 382, and that

(Name of employee/driver or "all employee drivers")

is/are currently participating in a drug and alcohol testing program pursuant to the aforementioned rules; and

4. is not barred from contracting with any unit of state or local government as a result of a violation of either Section 33E-3 or 33E-4 of Article 33E of the Illinois Criminal Code of 1961.

By: _____
Authorized Agent of Contractor

Subscribed and sworn to
before me this _____
day of _____, 2021.

Notary Public

**MCINTIRE MANAGEMENT GROUP**

Representing only the Best
120 E. 15th Ave
N. Kansas City, MO 64116
PH) 816-746-6669
FX) 816-746-8264

Quote

Date	Estimate #
7/20/2021	2277

Name / Address
VILLAGE OF LOMBARD ILLINOIS FAIRVIEW LIFT STATION

Description	Qty	Cost	Total
4 HP LITTLE JOHN DIGESTER UNIT WITH OZONE SYSTEM, PREWIRED 460V THREE PHASE SOFT START MOTOR WITH LOCK OUT SWITCH, BLOWER WITH AIR FILTER ASS., INCLUDES 12 OZONE TUBES, POWER DISCONNECT SWITCH, SHUT OFF FLOAT SWITCH, 230V COOLING FAN, 4HP DIGESTER, 40 FT OF 2" INDUSTRIAL GRADE HOSE WITH SS CAN LOCK FITTINGS HEAVY DUTY LOCKABLE BLOWER SOUND REDUCING ENCLOSURE, AIR SPLITTER AND ASS. INCLUDES 40 FT SECTION OF 2" EXTREME TEMPERATURE HOSE WITH SS CAN LOCK FITTINGS AND 10 FT SECTION OF 2" HOSE WITH SS CAM LOCK FITTINGS CONNECTING BLOWER TO SPLITTER, 4HP ADDITIONAL LITTLE JOHN DIGESTER BODY ONLY SHIPPING INCLUDED IN SELL PRICE McIntire Management Group upon receipt of written approval from Village of Lombard will purchase the above LJD unit on behalf of the Village and deliver 4-6 wks after receipt of approval. Village of Lombard will have until November 30, 2021 to evaluate the unit. If unit is performing per Village's expectations, Invoice will be paid no later than December 15, 2021. Please find attached Operation and Maintenance manual as well as installation instructions. MMG will supply suggested placement locations in the wetwell for the LJD digester heads (2ea). DO2E (Mfg) will provide assistance via telephone for any questions during installations, as well MMG personnel will be on site day of installation to view process. Village will supply all Electrical components from wire "pigtail" supplied with LJD, any prewiring to connection location on exterior of pump station control bldg as well as providing a certified electrician to make all connections. Village will provide any modifications (Core holes in top 2ea 4" ID min) to wetwell top, conduit and fittings if needed to facilitate insertion of hoses through the top of the wetwell to connect to LJD digester heads (2ea) to be placed in locations at bottom of wetwell and back to blower unit.	1	49,704.00	49,704.00

QUOTE GOOD FOR 60 DAYS!

Total

\$49,704.00