



1202 Musser Street
Muscatine, IA 52761-1645
(563) 263-2752
Fax (563) 263-3720

WATER & RESOURCE RECOVERY FACILITY

MEMORANDUM

To: Greg Jenkins/Interim City Administrator

CC: Nancy Lueck, Finance Director
Cinda Hilger, Secretary

From: Jon Koch, WRRF Director

Date: December 13, 2019

Re: Sluice Gate Purchase

INTRODUCTION: The City has received two bids for a new sluice gate to be installed at the Papoose Lift Station. The low bid was from Mellen and Associates, Inc. in the amount of \$13,200.00. The second quote from Zimmer and Fransescon, Inc. was for \$15,500.00. These are the only two vendors that were found to replace this specialized gate. While this is not a budgeted item, the need to replace this gate was identified after the 2019 flood.

BACKGROUND: The sluice (slide) gate valve is an integral part of the function of the Papoose Lift Station and regulates how much water is pumped from the Papoose Creek combined stormwater and sanitary wastewater flows. In the fall of 2019 flooding caused multiple basement back-ups in buildings along Mississippi Drive. The City discharge permit requires that this gate remain completely open to fully pump the maximum amount to treatment at all times. The WRRF petitioned and received permission from the Iowa Department of Natural Resources (IDNR) and EPA Region 7 to throttle this sluice gate. The City is now allowed to partially close this gate during certain situations such as heavy rains and flood conditions to reduce the potential for sanitary wastewater backing up into riverfront properties.

The current sluice gate was installed in 1965 and is no longer reliably opening and closing. In September of 2019 during flood levels a diver was sent down to inspect the gate. The diver confirmed it was partially closed and no damage was seen. While it is functioning, replacement is recommended to ensure that staff can regulate the level to minimize basement back-ups. Much of the gate is rusted and falling apart. It is important to get this done before next flood season.

RECOMMENDATION/RATIONALE: Staff recommends issuing a purchase order to Mellen and Associates, Inc. in the amount of \$13,200.00 for the purchase of model 934-N Self Contained Stainless Steel Slide Gate. Since this was not a budgeted item, funding will be from the Water Pollution Control fund balance

BACKGROUND: Two quotes from Mellen and Z&F

ZIMMER & FRANCESCON, INC.

6200 65th Avenue
Moline, IL 61265
1-800-621-1118
309-797-1117 tel
877-244-2508 fax

Budget Proposal

TO: Muscatine WPCP
1202 Musser Street
Muscatine, IA 52761

QUOTATION NO: Budget
BID DATE: 10/28/19

SUBJECT: Papoose Pumping Station

Gentlemen:

We are proposing to furnish the following equipment at the prices indicated and in accordance with the terms set forth herein.

| | | | |
|-----|---|--|--------------------------|
| One | 1 | Orbinox 48" W x 36" T type MU Sluice Gate with 304SS frame and slide, 303 SS stem with EPDM seals, UHMWPE guides. Stem is non rising with guides and 2" operating nut. | NET TOTAL \$15,500.00 |
|-----|---|--|--------------------------|

NOTES

- 1 Installation is NOT included
- 2 Subject to field dimension verification or specification review
- 3 Attached drawing for reference NOT construction
- 4 Freight prepaid allowed to job site

QUOTATION



October 08, 2019

Quotation No. 29087

370 South Athol Road
Athol, MA 01331
Phone : 978-249-7924
Fax : 978-249-3072

PLEASE REPLY TO:
Mellen & Associates Inc.
3404 South 11th St.
Council Bluffs, IA 51501
Phone : 712-322-9333
Fax : 712-322-6557

Subject :

Muscatine, IA - Papoose Creek Pump Station
Slide Gate Replacement

To: City of Muscatine WPCF

Attn: Jon Koch

We are pleased to offer the following **Quotation No. 29087**:

| Item No. | 01 | Tag No. | N/A |
|---------------------|--|---------|-----|
| Location - Dwg No : | Papoose Creek Pump Station - S205-8 | | |
| Quantity : | One (1) | | |
| Size - Model : | 60" Wide x 48" High. - Model 934-N Self Contained Stainless Steel Slide Gate | | |
| Invert To Floor : | 23.17' | | |
| Max Design Head : | 23.17' seating / 23.17' unseated | | |
| Description : | The upward opening stainless steel slide gate will have the following features: 316 SS construction, UHMW side and top seals, and a neoprene invert seal. The single non rising operating stem will be 316 SS. | | |
| Mounting Style : | Mounting over an existing wall thimble, channel mounted on one side and face mounted on the other both with non-shrink grout and SS anchor studs. | | |
| Anchor Bolts : | 5/8" Anchor studs and nuts included. | | |
| Lifting Mechanism : | Yoke mounted manual gearbox operator with 2" nut and t-wrench. | | |

Total Selling Price : **\$ 13,200.00**

Startup is not included – startup will be charged at \$ 125 per hour Including travel time. Issue separate PO to: Mellen & Associates, Inc., 3404 South 11th St., Council Bluffs, IA 51501

ADDITIONAL NOTES:

This quotation represents our best interpretation of the project plans. Any subsequent changes may result in a price change.

INCLUDED: Submittal drawings and O&M manuals.

EXCLUDED: Installation, concrete, grout, deck sleeves, blind flanges, mastic, lubricant, control panels, instrumentation, wiring and epoxy capsules for anchor bolts. Field measurements are also not included as part of this quotation.

DURATION: Our price is held firm for 60 days from the bid date listed on Page 1. Please contact our local representative for updated pricing after 60 days.

PAYMENT TERMS: Payment terms are net 30 days with no retainer allowance.

SPARE PARTS: No spare parts are included.

TAXES: Taxes, duties and tariffs are not included in this quotation. Sales tax is not included in our Total Price. However, Whipps, Inc. is registered to collect sales tax in the states of California, Florida, Maryland and Massachusetts.

O&M MANUALS: Whipps, Inc. manuals are produced project specific. Our manual is set up in a manner designed for the user to easily comprehend information relating to our gates. This is our standard structured document representing the Whipps, Inc. products. Whipps, Inc. reserves the right to deviate from what is listed in the Project Specifications should Whipps, Inc. determine that specific provisions add little or no value to the Manual.

DELIVERIES: The standard delivery of submittal drawings is 3-4 weeks after receipt of written purchase order. The equipment will ship 12-16 weeks after receipt of approved submittal drawings. We will make every effort to coordinate our engineering and manufacturing schedule with your construction schedule. Please contact our local representative for expedited or extended delivery dates.

FREIGHT: The price quoted is F.O.B. our factory in Athol, Massachusetts with freight allowed to jobsite. Partial shipments may be provided upon request for an additional charge. Price includes shipment via common carrier. Price does not include unloading at job site.

VOLUME DISCOUNT DISCLAIMER: The price shown reflects a volume discount for the quantity quoted. Please contact our local representative if you need to order a different quantity than the number shown herein and we will send a revised quotation.

FIELD SERVICE: Field service is not included. Field service is available at \$850 per 8 hr. day plus actual travel and maintenance expenses. Sundays and holidays the rate is \$1275 per day plus expenses. Three weeks advance notice in writing is required for field service.

Sincerely,
Richard Adams
Whipps, Inc.
370 South Athol Road
Athol, MA 01331
Phone : 978-249-7924
Fax : 978-249-3072
Email : Richarda@whipps.com

Eric Musselman
Vice President
Mellen & Associates, Inc.
Phone: 319-390-5532
Email: eric@melleninc.com