



Request for Council Action

TO: Mayor and City Council
THROUGH: Tim Murray, City Administrator
FROM: Travis Block, Public Works Director
MEETING DATE: April 13, 2021
SUBJECT: Approve 2021 CIP Purchase – Lift Station Improvements

Background:

The 2021 Capital Improvement Plan (CIP) and budget have approved \$80,000.00 for sanitary sewer lift station improvements. Improvements to seven (7) of the lift stations will upgrade the controller, transducer, dialer, and wiring. The upgrades will provide staff with real-time operational data along with detailed alarm information.

Staff solicited quotes from two vendors, a summary of the quotes is as follows:

Electric Pump, New Prague, MN	\$9,211.00 ea. x 7= \$64,477.00
Starnet Technologies, Franksville, WI	\$11,373.00 ea. X 7= \$79,611.00

Staff also obtained quotes to upgrade control panels on four (4) lift stations requiring a dialer, wiring and installation. A summary of the quotes is as follows:

Electric Pump, New Prague, MN	\$5,352.00 ea. x 4= \$21,408.00
Starnet Technologies, Franksville, WI	\$6,865.00 ea. X 4= \$27,460.00

The total of the improvements is \$85,885.00, which is slightly above the amount budgeted. A budget amendment will be necessary to amend the current year's budget for fund 602-49450 for \$5,885.00. There is no sales tax on the purchase. Funding will be provided by the Sanitary Sewer Fund (602).

Recommendation:

Approve 2021 CIP Purchase – Lift Station Improvements from Electric Pump, New Prague, MN and Budget Amendment to 602-49450

Attachments:

- CIP Sheet
- Quotes

Capital Improvement Plan
 City of Faribault, Minnesota

2021 *thru* 2025

Project # SWR 21-01
 Project Name Lift Station Improvements



Type Equipment Department Sewer Collection
 Useful Life 15 years Contact Public Works Director
 Category Equipment-Miscellaneous Priority 1 High
 Capital Asset #
 Unit #

Description	
2021- Replacement of Frink Ave. & 7th St. lift station panels.	\$25,000
2021- Convert lift station communication lines to cellular.	\$55,000
2022- Replacement of Park Ave. pumps and components.	\$20,000

Justification
 2021 - Panels have reached their useful life and need replacement to ensure reliable service delivery.
 2021 - Conversion will allow for remote alarm monitoring, flow calculations and operational efficiency.
 2022 - Pumps have reached the end of their useful life and require upsizing to ensure reliable service delivery.

Expenditures	2021	2022	2023	2024	2025	Total
Equipment	80,000	20,000				100,000
Total	80,000	20,000				100,000

Funding Sources	2021	2022	2023	2024	2025	Total
Sanitary Sewer Fund (602)	80,000	20,000				100,000
Total	80,000	20,000				100,000

Budget Impact/Other
 Improvements will result in decreased extraordinary maintenance costs and reduce sanitary sewer backups.



4280 E. 14th St.
Des Moines, IA 50313
Office: 515-265-2222
Toll Free: 800-383-7867
Fax: 515-265-8079

201 4th Ave SW
New Prague, MN 56071
Office: 952-758-6600
Toll Free: 800-536-5394
Fax: 952-758-7778

TO: City of Faribault, MN
Tom Judd / [redacted] / tjudd@ci.faribault.mn.us

REF: Control Panel Upgrade

DATE: February 26, 2021

Electric Pump is pleased to submit this proposal for upgrading the city's existing float based control panel to a transducer based with 2-float backup, pump controller, and cellular dialer based control panel. This proposal included the necessary components, freight, & installation for this upgrade.

Control Panel Upgrades

- One (1) Visicon Pump Controller with a 5.7" touchscreen *(installed in control panel)*
- One (1) Submersible Transducer 0-5psig w/ 50ft cable *(installed in wet well)*
- One (1) Intrinsically safe barrier for transducer *(installed in control panel)*
- One (1) 24Vdc power supply for pump controller *(installed in control panel)*
- One (1) NCC-1403 Cellular Dialer housed in a NEMA 4X FRP enclosure mounted to the outside of the existing pump control panel
- One (1) Lot of field wiring & installation services
- One (1) Lot of freight and startup services

Total Selling Price PER Station: \$9,211.00 plus tax

Note the following:

- We will reuse 2 of the existing floats for redundant backup
- The first year of cell service is included in this proposal
- The annual cost for the cell service after year 1 is \$240.00/year

Thank you for your consideration,

Steven Forsythe (612) 840-9499
Erik Pikal (952) 220-8898

cc: Adam Thoreson (612) 803-2154



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Fax: 952-758-7778

TO: City of Faribault, MN
Tom Judd / / tjudd@ci.faribault.mn.us

REF: Control Panel Upgrade

DATE: February 26, 2021

Electric Pump is pleased to submit this proposal for upgrading the city's existing control panel from a Sensaphone phone dialer to a Cellular based dialer system.

Control Panel Upgrades

- One (1) NCC-1403 Cellular Dialer w/ one (1) year service (*installed in control panel*)
- One (1) Lot of field wiring & installation services
- One (1) Lot of freight and startup services

Total Selling Price PER Station: \$5,352.00 plus tax

Note the following:

- The first year of cell service is included in this proposal
- The annual cost for the cell service after year 1 is \$240.00/year
- Existing floats & Warrick pump controller will be reused
- This cellular dialer will be hooked up to the floats at each respective lift station; however, it has the ability to be wired to a transducer based pump controller in the future

Thank you for your consideration,

Steven Forsythe (612) 840-9499
Erik Pikal (952) 220-8898

cc: Adam Thoreson (612) 803-2154

PROPOSAL

Date: February 25, 2021
Attention: Tom Judd
Project: Lift Station Control Panel Upgrades (Transducer Based Pump Controller & Cell Dialer)
Location: Faribault, MN

This proposal is based upon the information available at the time that it was created. Proposal is subject to changes due to changes in project conditions. Please contact factory for updates to proposal if changes are made to the design which may affect this proposal.

SCOPE OF SUPPLY			
NO.	QTY.	ITEM	DESCRIPTION
1.1	1	Cellular Dialer	Cellular Dialer
1.2	1	Cell Service	One (1) Year of Cell Service per location <u>(\$275/year after first year)</u>
1.3	1	Primary Level Sensor	Transducer for level control & display on pump controller & cell dialer
1.4	2	Backup Floats	Floats for redundant backup
1.5	1	Pump Controller	Touchscreen Pump Controller
1.6	1	Labor	Installation of cell dialer, pump controller, transducer, and float backup
1.7	1	Freight	Freight to City of Faribault Public Works Building

QUOTATION

Total NET Price for Listed Items & Services: **\$11,373.00**
 Freight is not included.

Respectfully Submitted,

Nick Valdez
 Starnet Technologies
 501-515-3737 [mobile]

Thank you for the opportunity to provide this proposal. Proposal is subject to change due to changes in project condition.

PROPOSAL

Date: February 25, 2021
Attention: Tom Judd
Project: Lift Station Control Panel Dialer Upgrade
Location: Faribault, MN

This proposal is based upon the information available at the time that it was created. Proposal is subject to changes due to changes in project conditions. Please contact factory for updates to proposal if changes are made to the design which may affect this proposal.

SCOPE OF SUPPLY			
NO.	QTY.	ITEM	DESCRIPTION
1.1	1	Cellular Dialer	Cellular Dialer
1.2	1	Cell Service	One (1) Year of Cell Service per location <i>(\$275/year after first year)</i>
1.3	1	Labor	Installation of cell dialer
1.4	1	Freight	Freight to City of Faribault Public Works Building

QUOTATION

Total NET Price for Listed Items & Services: \$6,865.00
 Freight is not included.

Respectfully Submitted,

Nick Valdez
 Starnet Technologies
 501-515-3737 [mobile]

Thank you for the opportunity to provide this proposal. Proposal is subject to change due to changes in project condition.