



City of Grand Island

Tuesday, December 13, 2016

Council Session

Item G-10

#2016-301 - Approving Amendment to Maintenance Services for Supervisory Control and Data Acquisition (SCADA) Programming at the Wastewater Treatment Plant

Staff Contact: John Collins, P.E. - Public Works Director

Council Agenda Memo

From: Marvin Strong PE, Wastewater Plant Engineer

Meeting: December 13, 2016

Subject: Approving Amendment to Maintenance Services for Supervisory Control and Data Acquisition (SCADA) Programming at the Wastewater Treatment Plant

Presenter(s): John Collins PE, Public Works Director

Background

The Wastewater Division of Public Works implemented new plant control philosophies in ongoing operations optimization. One element in the operations development is the Supervisory Control and Data Acquisition (SCADA) system integral to plant functions. The SCADA system is interactive to nearly every device within the facility. The Wastewater Plant Operations Engineer observed the need to develop the programming uniquely to facility functions and emergency repairs that may arise from time to time.

On September 24, 2013, via Resolution No. 2013-315, City Council approved maintenance services with Interstate Industrial Instrumentation, Inc. of Omaha, Nebraska for the SCADA systems programming and interface development.

Discussion

At this time the Gravity Belt Thickener Control Panel is in need of replacement for the SCADA system, and it is the request of Wastewater Plant staff to have Interstate Industrial Instrumentation, Inc. supply such panel, as it is compatible with the existing SCADA software. A quote has been received in the amount of \$18,910.07 for the control panel, with programming and startup costs not to exceed \$6,295.00.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve a resolution
2. Refer the issue to a Committee.
3. Postpone the issue to future date.
4. Take no action on the issue.

Recommendation

City Administration recommends that the Council approve the purchase of a Gravity Belt Thickener Control Panel for the Supervisory Control and Data Acquisition (SCADA) Programming at the Wastewater Treatment Plant in the amount of \$18,910.07, with programming and startup costs not exceed \$6,295.00.

Sample Motion

Move to approve the resolution.



Interstate Industrial Instrumentation Inc.

Instrument and Control Specialists

10424 "J" STREET
P.O. BOX 27310
OMAHA, NEBRASKA 68127
PHONE: (402) 331-3535
FAX: (402) 339-2445

821 8TH STREET
SUITE D
BETTENDORF, IOWA 52722
PHONE: (563) 355-5959
FAX: (563) 355-0808

974 - 73RD STREET.
SUITE #1
DES MOINES, IOWA 50312
PHONE: (515) 225-8383
FAX: (515) 225-1511

November 8, 2016

Attn: John Rundle
City of Grand Island
3013 East Swift Road
P.O. Box 1968
Grand Island, NE 68802

Ref: Quote #2016110801-Rev 1-City of GI
Gravity Belt Thickener Control Panel Replacement

Dear John

We are pleased to quote the following Control Panel(s) as outlined below:

TERMS: Net 30 Days
DEL: 4-8 Weeks ARO
F.O.B.: Omaha
Prices firm for 60 Days

1 Each
Control Panel Rebuild
New 304 SS Door – To Be Field Installed
New Back Panel
All new Components, Terminals, Power Supply, Relays Mounted to Back Panel
AB MicroLogix 1200 PLC, and IO Cards
Panelview 800 Operator Interface - 10"
Ethernet Switch
120 VAC, 15 Amp Input Power/Circuit
Front Panel Reset Button

Flow Meter

RESOLUTION 2016-301

WHEREAS, on September 24, 2013, via Resolution No. 2013-315, City Council approved maintenance services with Interstate Industrial Instrumentation, Inc. of Omaha, Nebraska for the Supervisory Control and Data Acquisition (SCADA) systems programming and interface development for the Wastewater Division of the Public Works Department; and

WHEREAS, the Gravity Belt Thickener Control Panel is in need of replacement for the SCADA system, and it is the request of Wastewater Plant staff to have Interstate Industrial Instrumentation, Inc. supply such panel; and

WHEREAS, a quote has been received in the amount of \$18,910.07 for the control panel, with programming and startup costs not to exceed \$6,295.00.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that such Gravity Belt Thickener Control Panel replacement, programming and startup maintenance service with Interstate Industrial Instrumentation, Inc. of Omaha, Nebraska is hereby approved in the amount of \$18,910.07 for the control panel, with programming and startup costs not to exceed \$6,295.00.

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Adopted by the City Council of the City of Grand Island, Nebraska, December 13, 2016.

Jeremy L. Jensen, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	☐ _____
February 12, 2013	☐ City Attorney