REQUEST AUTHORIZATION FOR MAYOR AND FINANCE OFFICER TO SIGN PROFESSIONAL SERVICES AGREEMENT OR AMENDMENT
Date: May 21, 2018

Project Name & Number: Water Distribution Supervisory Control and Data Acquisition (SCADA) Improvements – Implementation Phase; Project No. 14-2218

CIP #: 51067

Project Description: Replacement and upgrade of the Water Distribution SCADA used to monitor and control the water distribution system.

Consultant: Dakota Pump, Inc.

Original
Contract Amount: $896,049.00
Contract Date: July 18, 2016
Completion Date: 12 Months after Notice to Proceed

Addendum No. 1
Final
Amendment Description: Various system modifications, additions and deletions that were identified during implementation of the new system.

Current Contract Amount: $896,049.00
Change Requested: $38,842.00
New Contract Amount: $934,891.00
Current Completion Date: NA
New Completion Date: NA

Funding Source This Request:

<table>
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<th>Amount</th>
<th>Dept.</th>
<th>Line Item</th>
<th>Fund</th>
<th>Comments</th>
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<td>Water Replacement / Improvements</td>
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$38,842.00 Total

Agreement Review & Approvals

Project Manager

Date 5/4/18

Compliance Specialist

Date 5/4/18

City Attorney

Date 5/7/18

Division Manager

Date 5-8-18

Department Director

Date 5-8-18

FINANCE OFFICE USE ONLY
(Note to Finance: Please write date of Agreement in appropriate space in the Agreement document)

Appropriation 5/1/18
Cash Flow

Rev. 03/2009
AMENDMENT NO. 1 FINAL TO AGREEMENT

Project: Water Distribution Supervisory Control and Data Acquisition (SCADA) Improvements Project No. 14-2218

Background Data: Effective Date of Agreement: July 18, 2016
Owner: City of Rapid City
Contractor: Dakota Pump, Inc.

Nature of Amendment: Various system modifications, additions, and deletions as outlined in the attached Exhibit A.

Current Contract Amount: $896,049.00
Change Requested: $38,842.00
New Contract Amount: $934,891.00

Owner and Contractor hereby agree to modify the above referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The effective date of this Amendment is May 21, 2018.

CITY OF RAPID CITY:
By: ________________________________
   Mayor
Date Signed: _________________________

ATTEST:
By: ________________________________
   Finance Officer
Date Signed: _________________________

REVIEWED BY:
[Signature]
Dan Coon, PE

CONTRACTOR:
By: ________________________________
   Dakota Pump, Inc.
Date Signed: 05/01/2018
EXHIBIT A
AMENDMENT NO. 1 FINAL TO AGREEMENT

Water Distribution Supervisory Control and Data Acquisition (SCADA) Improvements
Project No. 14-2218
May 21, 2018

Amendment No. 1 Final to the Agreement with Dakota Pump, Inc. (DPI) for the Water Distribution Supervisory Control and Data Acquisition (SCADA) Improvements project is for the following project changes and modifications:

- Provide and install a new Ethermeter at the Terracita Booster Station.
- Provide and install new hand/off/auto (HOA) switches on the North Pinedale Booster Radio Telemetry Unit (RTU) panel.
- Install a new electrical service at the Arrowhead Reservoir.
- Eliminate the chart recorder on the panel door, provide a new panel door for City of Rapid City (City) installation and modify system programming so that the chart recorder information is provided on the local Human Machine Interface (HMI) at the Well 12/Stoney Creek Booster Station.
- Modification of the type of Programmable Logic Controllers (PLC), input and output cards and power supplies provided at various sites.
- Electrical and control modifications at Well No. 9 to accommodate the new power supply system.
- Supply of the radio and antenna by the City and not DPI at the Ellsworth Air Force Base Metering Facility.
- Supply and install a new low level cutout float switch and install a City supplied transducer at the Girl Scout Gallery.
- Supply and install new conduit and control wire between the valve control vault and reservoir hatch at the North Rapid Reservoir.
- Enhanced component and system training videos.
- Investigation and recommendations to improve SCADA system communications.
- Integration of the Well No. 9 transfer switch to allow manual local starter transfer through the SCADA system.