



HENEGHAN AND ASSOCIATES, P.C.

CIVIL ENGINEERS • LAND SURVEYORS

WWW.HAENGR.COM

Since 1986

Addendum No. 3

for

Lift Station #14 Replacement

For City of Mt. Vernon
Jefferson County, Illinois

H&A File No. 40039-500

October 23, 2020

The Contract Documents prepared by Heneghan & Associates, P.C., Bartlett & West and MECO Engineering Co., Inc. for the Lift Station #14 Replacement for the City of Mt. Vernon, Illinois, are hereby amended or clarified as follows:

GENERAL

This is the final addendum.

PROJECT SPECIFICATIONS

Changes/additions/clarifications to the project specifications are as listed below:

Technical Provisions:

1. Section 400531 – the following shall be added after Part 2.03.B:
 - C. Programmable Logic Controller: A Programmable logic controller shall be provided to control the and monitor the pumps and provide for monitoring of the emergency standby generator. The programmable logic controller shall be provided with sufficient I/O expansion modules to accommodate the inputs and outputs listed in the table at the end of section 409605 (13320), including spares. The programmable logic controller shall be MicroLogix 1200 Controller as manufactured by Allen Bradley, ACE3600 as manufactured by Motorola, or approved equal.
 - D. Human / Machine Interface (HMI): An HMI shall be provided and mounted on the front of the control pane. The HMI shall utilize a minimum 7-inch color display with a minimum resolution of 800 x 480 pixels. The unit shall be incorporate a minimum of 128MB Flash and 128 MB DRAM memory. The HMI shall be HMI5070L as manufactured by Maple Systems Inc., PanelView Plus 7 as manufactured by Allen Bradley, or equal.

X 838 East McCord
Centralia, IL 62801
(P) 618-533-6525
(F) 618-533-6652

□ 310A Vision Drive
Columbia, IL 62236
(P) 618-281-8133
(F) 618-281-8290

□ 1004 State Highway 16
Jerseyville, IL 62052
(P) 618-498-6418
(F) 618-498-6410

□ 1929 Richardson Road
Arnold, MO 63010
(P) 636-464-3610
(F) 636-464-2059

“DEDICATING OUR SERVICES TO STRENGTHEN CLIENT TRUST”

- E. Supervisory Control and Data Acquisition (SCADA) System: A SCADA system shall be provided for monitoring and control of the equipment at the station. The SCADA system shall consist of three sub-systems: a Central Server, a web-based user interface and a Remote Terminal Unit. The web-based user interface software shall provide all the functions necessary for the Owner to interact with the data from the remote unit as well as execute configuration and control commands. The system shall be compatible with modern web browsers on various operating systems including computers, tablets and smartphones.
 1. Provide the following accessory items of equipment for this project:
 - a. fiberglass or polycarbonate enclosure
 - b. External antennae and associated cable
 - c. One-year prepaid communications plan

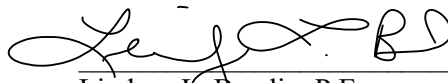
The SCADA system shall be HTT3100 as manufactured by High Tide Technologies, LLC, XR50 as manufactured by Omnisite, or approved equal.

2. Section 409605 page numbering for the entire section shall be revised from 13320-X to 409605-X.
 - On the table at the end of the section, Item D0-004: Delete “BARSCREEN REMOTE RUN” and replace it with “SPARE”.

PROJECT DRAWINGS

Changes/additions/clarifications to the project drawings are as listed below:
N/A

End of Addendum.

 10/23/20
Lindsey L. Bowlin, P.E.
Project Manager