



HENEGHAN AND ASSOCIATES, P.C.

CIVIL ENGINEERS • LAND SURVEYORS

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Addendum No. 2

for

Lift Station #14 Force Main Replacement

For City of Mt. Vernon
Jefferson County, Illinois

H&A File No. 40039-500

October 9, 2020

The Contract Documents prepared by Heneghan & Associates, P.C. for the Lift Station #14 Force Main Replacement for the City of Mt. Vernon, Illinois, are hereby amended or clarified as follows:

GENERAL

Attached, find the Pre-Bid meeting Minutes and attendance sheet from the Pre-Bid meeting held October 6, 2020, 10:00 am at City Hall in Mt. Vernon, Illinois. The Minutes are made a part of this Addendum, and the items stated in the Minutes shall be followed.

PROJECT SPECIFICATIONS

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

Technical Provisions:

1. A request for an approved alternate to 18" DR25 RJ PVC carrier pipe has been accepted.
 - Section 02215, Part 2.02.B.: DR25 Fusible PVC shall be considered an approved alternate to DR25 Restrained joint pipe to be used as carrier pipe.
 - Section 02235, Part 3.02.A.: DR25 Fusible PVC shall be considered an approved alternate to DR25 PVC Restrained joint pipe to be used as carrier pipe for boring and jacking methods of installation.

2. A request for an approved alternate to 30" DR21 RJ PVC casing pipe has been accepted as 24" DR21 Fusible PVC .
 - Section 02215, Part 2.02.A.: DR21 Fusible PVC shall be considered an approved alternate to DR21 Restrained joint pipe to be used as casing pipe for directional drilling methods of installation if using 18" DR25 Fusible PVC pipe for the carrier pipe.

PROJECT DRAWINGS

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

□ 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

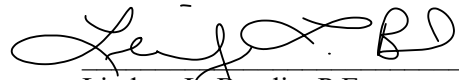
□ 1004 State Highway 16
Jerseyville, IL 62052
(P) 618-498-6418
(F) 618-498-6410

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

"DEDICATING OUR SERVICES TO STRENGTHEN CLIENT TRUST"

- Find a field observation from the Site Visit noted in the Pre-Bid Meeting minutes regarding existing conditions shown on the drawings.

End of Addendum.

 10/9/20
Lindsey L. Bowlin, P.E.
Project Manager



Included below are the meeting minutes for the pre-bid meeting referenced. Items in *italics* are items discussed during the meeting, previously not represented on the agenda. Additionally, a copy of the sign-in sheet is attached for reference.

**City of Mt. Vernon
Lift Station #14 Replacement and Force Main
Pre-Bid Meeting ~~Agenda~~ Minutes**

Wednesday, October 14, 10:00 A.M.

City of Mt. Vernon, 1100 Main Street, Mt. Vernon, IL, 62864

1. Introduce
 - A. Heneghan & Associates' Representatives – *Lindsey Bowlin and Craig Olsen*
 - B. City of Mt. Vernon Representatives – *Brad Ruble (City); Mike Rousey (Veolia)*
 - C. *Contractors introduced by name and company*
 - D. *Greg Meyer of Bartlett & West via Teams remote connection*
2. Please sign the Attendance Sheet.
3. Bid Opening Lift Station: **Tuesday, October 27, 2020 @ 10:00 am**, City of Mt. Vernon, 1100 Main Street, Mt. Vernon, IL, 62864.

Force Main: Tuesday October 27, 2020 @ 10:30 am

 - a. 5% Bid Bond.
 - b. Must use Davis Bacon Wage Rates listed in the specifications.
 - c. Hold bid prices for 90 days.
 - d. Engineer's estimate for is: *Lift Station under \$2,000,000*

Force Main under \$1,000,000
4. If the Bids are acceptable, a recommendation will be given to the City of Mt. Vernon. IEPA concurrence on the Award would be expected within 60-90 days, at which time the CONTRACTOR would be sent a Notice of Intent to Award (WPCLP 28). The CONTRACTOR will then have two weeks to execute the necessary paperwork and bonding requirements. Based on the schedule above, the completion date will be as noted in the contract documents:
 - a. Lift Station – Substantial Complete: November 30, 2021; Final December 31, 2021
 - b. Force Main – Substantial Complete: 150 days; Final: 180 days
5. Submit pay request(s) ~~ten (10) days prior to monthly Board meeting (of each month)~~ *two Fridays before the First or Third Monday of each month for the City's Council meetings*, to City. After the City of Mt. Vernon approves, pay request submitted to IEPA. Once approved at IEPA typically less than or equal to 30 days, pay request paid by the City of Mt. Vernon (within 30 days).
6. Planholder's lists available upon request and online at haengr.com.
7. Changes/Clarifications to the Plans and Specifications currently include the following:
 - a. Plans:
 - i. *Lift Station*
 - A. *Sheet C-105 has a note calling for "Ultrasonic" transducer; shall be revised to read "Pressure" transducer.*

B. *Sheets C-105 wetwell floor elevation shall be revised to 409.00 ft; this floor elevation shall apply to all other references to the wetwell depth throughout the construction documents.*

C. *G005/C104 call for 2" water service; shall be revised to call for 1" PE water service with tracer wire*

ii. Force Main – none to date

b. Specs:

i. Lift Station

A. *Spec 011100 2" water service shall be revised to call for 1" PE water service with tracer wire. This applies to Section 012200 and any other reference in the contract documents.*

B. *Spec 432140, Pump Operating Condition #2 shall be 3200 GPM and 90ft TDH*

C. *Bid Form shall be revised and provided as an attachment to Addendum #1 to add a line for contractor to include his TOTAL bid price.*

D. *FRP Building spec is forthcoming.*

ii. Force Main

A. *C-200 Article 9 prevails over Agreement C-520.*

B. *Addendum #1 change material and model for ARV.*

8. Comments from HA *which apply to both contracts:*

a. Construction MUST start prior to March 31, 2021

b. Retainage – 10%; stored material 10%

c. Liquidated Damages – \$800 per calendar day or actual damages, whichever is greater

d. Prevailing Wages – Davis Bacon

e. American Iron and Steel Act requirements apply

f. DBE Subcontractor Rules – WPCLP 53-57

g. Shop Drawing (Submittal) Review – Contractor shall review prior to submittal to Engineer; shall contain contractor's signature and date of review on transmittal.

Contractor shall provide written notice of deviations of any type from the requirements of the contract documents. Sample of Engineer response shall be provided with minutes from this meeting.

h. Review Construction Scopes

i. City is handling on-site observation of the project and construction administration. Brad works until 5 pm and plans to visit the site once or twice throughout the day; will not be onsite all day, every day. HA will visit the site during critical installations, such as setting structures, pumps, start-up, and as needed or requested by the City.

j. Each contractor performing the installation of piping shall be responsible for testing the pipe they install for each contract of work.

k. There will be times where work of each contract is happening concurrently; contractors of each contract shall be cooperative, especially for ingress/egress at Woodland Drive to

access the lift station site.

Lift Station Comments: 1. Soil borings were completed at the site and reports are available upon request. Rock Excavation is incidental.

2. City intends to use the Ameren Energy Efficiency Program for the VFD purchase. As such, the contractor/subcontractor performing the work of the installation shall be an approved installer with the Illinois Commerce Commission. Not all electrical work holds this requirement, merely the VFDs.

3. HA and BW: No known additional requirements with electric service provider at this time.

4. HA reviewed requirements of “demolish existing lift station” from the plans.

Force Main Comments: 1. Railroad crossing and IDOT permits are forthcoming for the force main.

9. Comments from the City of Mt. Vernon representatives:

Brad: Paying for railroad insurance will be the responsibility of the contractor; the flagging fees will be billed directly to the City.

Brad: near the south end of the force main project on Sheet 4 of the plans, the main will cross a parking lot area for Jung Trucking; approximately 350 LF of force main to be installed under the proposed parking area will need to be backfilled with granular backfill.

15. Comments/Questions from Contractor’s:

8.g. from Kamadulski – will the shop drawing response be “Approved” or “Reviewed”? HA will review shop drawings, will not issue an approval statement. Sample cover page is attached to these minutes for reference.

BOTH Projects: Question regarding painting for structures and force main piping from Haier – the force main project calls for painting the discharge box, is there painting in the lift station contract? Barlett & West noted generally, the wetwell and valve vault piping will be painted and the lift station structure will have a corrosion barrier coating system provided; HA noted spec sections 099100 and 099610 for reference to both painting and corrosion barriers.

Lift Station Project: Question regarding anchoring required for the lift station structure from Haier – HA noted there are none called-for on the on plans.

Force Main Project: Question regarding if rock is found while boring force main from Haier – Brad Ruble from the City stated that if there is rock encountered while performing work of the bores, the City will work with the Contractor as necessary.

Question regarding availability of 30” diameter RJ pipe for casing material on the bores from Haier – HA acknowledged that size may not be available and noted a request from C&C pumps is in review for an “approved equal” on fusible PVC pipe for this application.

16. Site Visit

a. During the site visit it was noted that on the sheets 13, 14, 15 and 16 of the Force Main plans, the City is aware the existing 14” ductile iron force main is present, adjacent to and on the east side of the Union Pacific Railroad tracks. The exact location is unknown, but contractors shall be aware and take care in excavating for installation of the proposed 18” force main.

