



**ADDENDUM NO. 3**

**Greater New Haven Water Pollution Control Authority**

**East Haven Pump Station Resiliency Implementation  
Project No. SSF 2013-05**

TO: ALL PLAN HOLDERS  
DATE: May 3, 2017

This addendum shall be attached to the Contract Documents by each bidder. Each bidder shall acknowledge receipt of this Addendum by entering the Addendum number and date received in the space provided on **Page 00402R1-2** of the **Bid Form-REV 1**.

**A. RECEIPT OF BIDS:**

Project Schedule remains as indicated in Addendum No. 2 and is as follows:

The deadline to submit General Bids is **Wednesday, May 17, 2017** at 11:00 AM at the Office of the Director of Finance and Administration of the GNHWPCA located at 260 East Street, New Haven, CT 06511.

See **Attachment C** for the Bidder's Checklist.

**B. RESPONSES TO BIDDER'S QUESTIONS**

1. **Question:** The structural schedule has bearing capacity of the piles and minimum embedment depth. There is no geotechnical information provided with the documents, and no unit price for potential pile length (S-601). Can the bid form be modified to allow for a unit price length of driven pile? Is there geotechnical information that could be provided?

**Answer:** See attached revised Bid Form. Refer to Addendum No. 2 for geotechnical information.

2. **Question:** The fees charged by the electrical company for the new electrical service to each site are unknown at bid time. Can an allowance be added to the bid form for fees charged by the utility company to install the new service?

**Answer:** See attached revised Bid Form. This revised Bid Form and associated allowance supersedes previous statements in Addendum No. 2; the GNHWPCA will not be billed directly for electrical service fees.

3. **Question:** Traffic controls will be needed to install the bypass pipe and doing the pipe liner. Can an allowance be added to the bid form for traffic controls?

**Answer:** An allowance has been provided for uniformed police officer Site traffic control at Cosey Beach Avenue Pump Station and Farview Road Pump Station for Work associated with this Project. See attached revised Bid Form.

4. **Question:** As noted in Addendum # 1, there are a few hazardous materials at each pump station. Is the contractor required to abate each station before the start of demo of each station?

**Answer:** The Contractor is responsible for the demolition of each station including any abatement and legal disposal requirements of lead and asbestos containing materials. The Contractor shall conduct Toxicity Characteristic Leaching Procedure (TCLP) testing of materials confirmed to contain lead (Farview Road Pump Station only) as detailed in the previously provided Reliance Environmental lead testing reports included in Addendum No. 1. The Contractor shall dispose of waste materials in accordance with applicable federal, state and local Laws and Regulations, including the EPA and CT regulations, and provide the Owner with all documentation associated with waste material disposal, specifically including waste quantities and methods of disposal. Costs incurred because of Work to abate hazardous materials, including incremental special waste disposal costs, if required, will be covered by an allowance. Lead, asbestos, and PCB containing materials that are not subject to abatement Work, and are disposed of as demolition solid waste, are excluded from this allowance. Costs associated with TCLP testing shall be included with the line item cost for general Work at Farview Road Pump Station. Refer to the Bid Form page 00402R1-8 for additional information.

5. **Question:** On all four of the existing pump station sites there are existing trees and landscaping that is not shown on the drawings, that need to be removed to do the work, is the contractor responsible to replace the existing landscaping, if it needs to be removed?

**Answer:** The Contractor shall be responsible for Site restoration (erosion control, top soil, seed, etc.) prior to Project close-out with associated costs to be bid as a general Work line item, as specified in Section 02900. Landscape planting, in addition to Site restoration, will be required at the direction of the Owner or Engineer. See attached Bid Form for allowances for landscape planting.

6. **Question:** Space at the Meadow Street pump station site is very limited and may need very costly construction procedures to complete the work, can the work for this station be bid as a separate bid item?

**Answer:** Yes, see attached revised Bid Form.

7. **Question:** Is the GC responsible to test for PCB's?

**Answer:** Environmental testing has been completed at the Site and the results were included in Addendum No. 1. Testing for PCBs is not being required for these facilities. Based on the age of these facilities, and the time frame of prior renovations, the materials at these facilities are not anticipated to contain PCBs. If the Contractor elects to perform PCB testing, the Contractor shall bear the costs associated with testing efforts. In the event PCB containing materials are discovered, costs incurred for abatement will be covered by the hazardous materials allowance included in the revised Bid Form. The Contractor shall dispose of waste materials in accordance with applicable federal, state and local Laws and Regulations, including the EPA and CT DEEP, and provide the

Owner with all documentation associated with waste material disposal, specifically including waste quantities and methods of disposal.

8. **Question:** Is there a weight limit on the culverts on Farview Road?

**Answer:** There is no posted weight limit for Farview Road. Town personnel have indicated that heavy construction vehicles have crossed the culvert system previously without issue. The Contractor shall verify adequate load distribution (gross load, trailer type, axle quantity, etc.) with the town road foreman prior to heavy equipment movement. The Contractor shall assume responsibility for all Site restoration, including road repair if necessary.

9. **Question:** In regards to the new electrical services, United Illuminating will not provide an estimate until a CR # is pulled, can an allowance for utility fees be added?

**Answer:** Yes, see attached revised Bid Form. This revised Bid Form and associated allowance supersedes previous statements in Addendum No. 2; the GNHWPCA will not be billed directly for electrical service fees.

10. **Question:** How many gallons of fuel should we assume must be disposed of at each pump station?

**Answer:** Fuel quantity at the time of construction shall be estimated at less than 10 gals per pump station. Costs associated with fuel disposal and re-fueling shall be included in the line item cost for generator replacement.

11. **Question:** Please confirm we furnish the Meter Socket only in regards to the Distribution System?

**Answer:** The Contractor shall provide all electrical Work associated the new electrical services including the meter socket, buried conduit, and connections to United Illuminating service. The Contractor shall coordinate all changes to the electrical service provided by United Illuminating including pole and transformer installation. The Contractor shall also install a new meter to be furnished by United Illuminating. Costs associated with electrical service Work completed by the Contractor shall be included in the line item cost for pump station electrical Work. All costs associated with electrical service connection Work completed by United Illuminating shall be billed to the Contractor and reimbursed pursuant to the electric service allowance (see the Bid Form for the electrical service allowance). This revised Bid Form and associated allowance supersedes previous statements in Addendum No. 2; the GNHWPCA will not be billed directly for electrical service fees.

12. **Question:** On drawing M-401 Minor Road Pump Station, there is a note on the drawing pointing to the force main “to provide manhole with flow meter and pressure gauge.” But on the site drawing, C-401, there is no indication to provide the flow meter manhole. Please clarify, is a flow meter manhole needed for Minor Rd P.S.?

**Answer:** A flow meter and flow meter manhole is not required for Minor Road Pump Station.

13. **Question:** As noted on the site drawings for all four pump stations, each station gets a new water meter and yard hydrant.

- a. Can a plumbing schematic be added to the drawings for the water line?

**Answer:** A plumbing schematic will not be added to the Drawings.

- b. Will the water line need a backflow preventer?

**Answer:** A backflow preventer is not required.

- c. What size water service is needed at each station?  
**Answer:** A 1" service line is needed at each station as shown on sheet C-501.
- d. If a back flow preventer is needed, do we mount it in the existing valve vault?  
**Answer:** A backflow preventer is not required.
- e. Will the water meter and meter vault be provided at no cost from the water company?  
**Answer:** The Contractor will assume responsibility for all costs associated with changes in service connections.
- f. Can an allowance be added to the bid form for fees charged by the water company for new services?  
**Answer:** No allowance for water company fees is provided in the Bid Form. Limits of Contractor and Regional Water Authority responsibility may be found in the Regional Water Authority Rules and Regulations for Water Service. Service connection charges, meter replacement charges, and other related fees are available through the Regional Water Authority's Rate Schedule.

14. **Question:** As noted on the site drawings for all four pump stations, each station gets a new Azek hand rail around the existing wet well slab.

- a. There are many types and manufacturers of Azek handrail systems at all different costs. Can we be provided with a name of a manufacturer and catalog or model number for the handrail system needed at each station?
- b. Each station has a note to provide a self-closing lockable gate (see spec. 05500) (specification section 05500 is for Misc. Metal.) Are we to provide an Azek handrail system with a metal gate? What size gate do we provide? Can we be provided with a name of a manufacturer and catalog or model number for the gate system needed at each station?

**Answer:** The railing system detailed in the Drawings is the Trademark railing system as manufactured by AZEK Building Products. Verify selected finishes through the submittal process prior to fabrication and installation. Owner may select the system detailed in the Drawings, however, the Owner reserves the right to deviate from selected finish with an equal product for a no-cost change during the submittal review process. The Contractor is to provide safety gates at all stair access points of a material and finish to match railing system in accordance with the Specifications, and a clear opening width to match access stairs (36" minimum). This shall include providing an AZEK Building Products Universal Gate Kit, or equal hardware approved by the Engineer, and a double rail safety gate as manufactured by Kee Safety Inc., BlueWater Mfg., LLC, or an Engineer approved equal.

15. **Question:** As noted on drawing S-601, at all four pump stations the precast electrical building is to be supported by precast concrete piles. Can a name of a manufacturer of this type of concrete pile system shown on the drawings be provided? Can we provide a system other than precast concrete system piles to support the structure?

**Answer:** Precast pile Supplier names are not available for release. Pile design requirements and splicing options detailed on sheet S-601. Pile systems shall be precast concrete driven to grade and spliced. Structure support columns shall be cast-in-place concrete as shown on sheets S-101, S-201, and S-501.

16. **Question:** Data Sheet 2.04A pages are labeled 1 of 1 and then 2 of 4, 3 of 4, and 4 of 4. Are we missing any parts in this section?

**Answer:** No, carbon monoxide detection instrumentation is required in each of the four precast structures housing a generator; all related instrumentation datasheets have been provided.

17. **Question:** Data Sheet 2.04B for the Tri-Gas Monitor is not included in the specifications. Is it no longer needed on this project?

**Answer:** The Farview valve vault space is adequately ventilated to be defined as unclassified, however, the tri-gas monitor instrumentation has been reincorporated into the design for improved pump station monitoring. See attached tri-gas monitor instrumentation datasheet. This requirement supersedes all requirements pertaining to the tri-gas monitor instrumentation detailed in Addendum No. 2.

18. **Question:** Data Sheet 2.05A for the Pressure Transmitters is not included in the specifications. Is it no longer needed on this project?

**Answer:** Pressure transmitters for the Farview Road Pump Station and Meadow Street Pump Station discharge piping are required, and shall be provided in accordance with the instrumentation datasheets in specification Section 13420 for instrument tag numbers PIT/PE-2107 and PIT/PE-2305.

19. **Question:** In reference to bid item 3, what depth should we assume in our unit pricing? Typically there are separate bid items for depth up to 1.5” without exposed rebar and beyond 1.5” with exposed rebar.

**Answer:** See attached revised Bid Form. This revised Bid Form supersedes previous statements in Addendum No. 2; a line item for concrete repair with depths up to 1.5” without exposed repair will not be included.

20. **Question:** Can you provide a scaled drawing showing the property lines at each pump station?

**Answer:** Available survey data, including property lines for each pump station, are shown in the civil Drawings for each Site (see sheets C-101, C-201, C-301, and C-401).

21. **Question:** Can concrete filled steel driven piles be used in lieu of precast piles?

**Answer:** All driven piles shall be pre-cast concrete piles.

22. **Question:** At the Minor Rd. PS, are we connecting the new water meter to the existing water service or the water main. If to the water main, where is the existing water main that we connect the new yard hydrant to?

**Answer:** The new water meter shall be connected to an existing water service.

23. **Question:** At the Meadow St. PS, are we connecting the new water meter to the existing water service or the water main. If to the water main where is the existing water main that we connect the new yard hydrant to?

**Answer:** The new water meter shall be connected to an existing water service.

24. **Question:** At the Cosey Beach St. PS, are we connecting the new water meter to the existing water service or the water main. If to the water main where is the existing water main that we connect the new yard hydrant to?

**Answer:** The new water meter shall be connected to an existing water service.

25. **Question:** At the Fairview Rd. PS, are we connecting the new water meter to the existing water service ore the water main. If to the water main where is the existing water main that we connect the new yard hydrant to?

**Answer:** The new water meter shall be connected to an existing water service.

26. **Question:** At the Minor Rd PS sheet M401 shows a manhole housing a flow meter without any piping going to or from it. Where does the scope for this work terminate? Where are the limits of driveway repair?

**Answer:** A flow meter and flow meter manhole is not required for Minor Road Pump Station.

27. **Question:** At the Meadow ST PS sheet M301 shows a manhole housing a flow meter without any piping going to or from it. Where does the scope for this work terminate? Where are the limits of driveway repair?

**Answer:** Refer to sheet C-301 for approximate force main and manhole locations, and sheet C-501 for manhole details. Construction-related driveway damage at Cosey Beach Pump Station and Meadow Street Pump Station will likely be extensive due to flow meter and water meter installation. Provide complete demolition and replacement of the existing driveways at Meadow Street Pump Station and Cosey Beach Pump Station in accordance with GNHWPCA standard Specifications with a 2" minimum asphalt thickness, and 10" minimum gravel base thickness.

28. **Question:** In reference to addendum #2 response to questions 35, 36, 37, 38 what if the water main is 250' + away? These assumptions may be very costly?

**Answer:** Water meters shall be provided on existing services. Refer to sheets C-101, C-201, C-301, and C-401 for approximate water meter locations; Contractor shall field verify final locations.

29. **Question:** In reference to addendum #2 question 47 in speaking with the bypass contractors, if the flows are 3,000 gpm at the Farview Pump Station it will not pass through a 6" bypass connection. Please clarify if we need to provide an additional connection?

**Answer:** The Contractor shall submit a bypass pumping plan for review by the Owner and Engineer in accordance with Section 01580. The Contractor shall assume adequate capacity exists for pump selection and sizing, and limit pump operation with a maximum RPM setting maintaining flow and pressure below the maximum allowable limits of existing pipe and fittings. If, in the opinion of the Owner and Engineer, adequate pumping capacity is not available because of existing pipe and fitting sizes, Work to provide additional temporary or permanent pipe capacity will be coordinated through a Change Order and paid on a time and materials basis.

30. **Question:** Can you provide a detail for the removable railings at each pump station?

**Answer:** The Contractor shall submit hardware for removable railing sections for review by the Engineer.

31. **Question:** On drawings C-202, C-302, C-402 & C-102, there is a Pump Station rendering on each drawing. The rendering shows the structural steel frame, deck, handrail and concrete support piles painted white. Please clarify, is the galvanized steel metal deck and frame field-painted white, and are the concrete supports painted white?

**Answer:** Galvanized steel shall be touched up with zinc rich paint in accordance with sheet S-601, and concrete surfaces shall be sealed in accordance with Section 03320. Surfaces shown in the rendering with additional finishing (support steel, railings, etc.) shall be finished in accordance with Section 09900; verify color selection with Owner and Engineer prior to procurement. Galvanized steel decking and concrete columns shall not be painted.

32. **Question:** On drawings C-202, C-302, C-402 & C-102, note # 8 states “The foundation design/engineering and construction is the responsibility of others.” Who are others? Who is responsible for the foundation design meeting the loading requirements?

**Answer:** The Contractor shall coordinate pre-cast pile design with the pre-cast pile Supplier during the submittal process. This shall include submitting the Supplier’s proposed pre-stressed reinforcement design based on the design criteria detailed on sheet S-601.

33. **Question:** As noted on the project sign that was part of addendum # 2, the project is 75% funded by the state. Normally, the state has an ASI requirement for all steel & D.I. Is this project subject to American Iron and Steel (AIS) requirements?

**Answer:** This project is not subject to American Iron and Steel requirements.

34. **Question:** As shown on the as-built drawing provided in addendum 2, many of the existing pump station’s foundations and floor slabs were not designed to be exposed to the elements.
- a. Is the contractor responsible for the design of the existing foundation and slab working when exposed to the elements?
  - b. Is the contractor responsible for making the existing foundation and slab watertight?
  - c. Many of the existing foundations, floor slabs and concrete stairs are painted, and the existing paint is in poor condition. The contractor is responsible to paint the existing foundation per question 55 in addendum #2. Do we have to sandblast and remove all the existing paint before installing the new field coating?

**Answer:** Remaining concrete pads shall be painted in accordance with Section 09900. Color selection shall match existing grey paint; verify paint color selection with Owner or Engineer prior to procurement. Paint application shall comply with all requirements in Section 09900 including substrate preparation and cleaning.

**C. CLARIFICATIONS**

1. **SECTION 00402 BIDDER'S REPRESENTATIONS:** The Bidder acknowledges the requirement to solicit minority businesses and women's businesses (MBE/WBE) when potential sources are available, divide Work into smaller tasks to encourage MBE/WBE participation when feasible, establish delivery schedules to encourage MBE/WBE participation when feasible, and use Department of Commerce services to solicit MBE/WBE participation as appropriate.
2. **SECTION 00730 Part 2.2:** Authorities having jurisdiction include but are not limited to the Town of East Haven, United Illuminating, Regional Water Authority, the State of Connecticut, and the Federal Emergency Management Agency.
3. **SECTION 01001 Part 1.03.C.6.d.1:** Electronic files submitted in PDF format in accordance with the Specifications shall not exceed 50 MB in size; if submitted separately, photos shall not exceed 1 MB in size. The Contractor shall divide documentation into separate volumes as necessary to meet maximum allowable file sizes.

**D. ADDENDUM NO. 3 ATTACHMENTS**

1. **Attachment A.** Revised Bid Form
2. **Attachment B.** Tri-gas Monitor Instrumentation Datasheet
3. **Attachment C.** Bidder's Checklist

- END OF ADDENDUM NO. 3 -

**ADDENDUM NO. 3 ISSUED BY:  
WOODARD & CURRAN**

Michael J. Burns, PE  
Project Manager



**Attachment A**  
**Revised Bid Form**

**SECTION 00402R1**

**BID FORM – REV 1**

NOTE TO BIDDER: Use typewriter or BLACK ink for completing this Bid Form.

**BID RECIPIENT**

**This Bid is submitted to:**

Owner: Greater New Haven Water Pollution Control Authority

Address: 260 East Street, New Haven, Connecticut 06511

Project Identification: East Haven Pump Station Resiliency Implementation

Contract No.: SSF 2013-05

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

**BIDDER'S ACKNOWLEDGEMENTS**

Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 120 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

**BIDDER'S REPRESENTATIONS**

In submitting this Bid, Bidder represents that:

Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged.

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

(Bidder shall insert number of each Addendum received.)

Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress, and performance of the Work.

Bidder has carefully studied all reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site that have been identified in the Contract Documents including, without limitation, the Special Conditions.

Bidder has obtained and carefully studied (or accepts the consequences for not doing so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions of surface and subsurface facilities at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.

Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) Bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.

Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.

Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.

Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.

The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.

## **FURTHER REPRESENTATIONS**

Bidder further represents that:

This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation;

Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;

Bidder has not solicited or induced any individual or entity to refrain from bidding; and

Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.

All required sales and use taxes are included in the stated Bid prices for the Work unless provision is made herein for the Bidder to separately itemize the estimated amount of sales tax.

## **BASIS OF BIDS**

The Undersigned process to furnish all labor and materials required for the East Haven Pump Station Resiliency Implementation, Greater New Haven Water Pollution Control Authority, New Haven, Connecticut, in accordance with the accompanying Plans and Specifications prepared by Woodard & Curran, for the Total Contract Price written below, subject to additions and deductions according to the terms of the Contract Documents

The Contract Award shall be made to the lowest eligible and responsible bidder based on the BASE BID PRICE (Items 1 through 25).

Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

**BASE PRICE FOR ITEMS 1 through 25:**

\_\_\_\_\_ Dollars  
(words)  
and \_\_\_\_\_ Cents \$ \_\_\_\_\_  
(numerals)

**The subdivision of the proposed Contract Price is as follows (excluding sales and use tax).**

BASE BID – All Work of the General Contractor

- 1 All General Contractor Work for the East Haven Pump Station Resiliency Implementation Project associated with Farview Road Pump Station, as described in the Project Manual and shown on the Contract Drawings not specifically included in the line items below.  
(Lump Sum) \$ \_\_\_\_\_
- 2 All General Contractor Work for the East Haven Pump Station Resiliency Implementation Project associated with Cosey Beach Pump Station, as described in the Project Manual and shown on the Contract Drawings not specifically included in the line items below.  
(Lump Sum) \$ \_\_\_\_\_
- 3 All General Contractor Work for the East Haven Pump Station Resiliency Implementation Project associated with Meadow Street Pump Station, as described in the Project Manual and shown on the Contract Drawings not specifically included in the following items  
(Lump Sum) \$ \_\_\_\_\_
- 4 All General Contractor Work for the East Haven Pump Station Resiliency Implementation Project associated with Minor Road Pump Station, as described in the Project Manual and shown on the Contract Drawings not specifically included in the line items below.  
(Lump Sum) \$ \_\_\_\_\_
- 5 Rock removal associated with excavation  
(50 CY at \$ \_\_\_\_\_ per CY) \$ \_\_\_\_\_
- 6 Wet well wall repair over exposed rebar  
(50 SF at \$ \_\_\_\_\_ per SF) \$ \_\_\_\_\_

- 7 Labor and material for replacement generator at:
  - a. Farview Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  - b. Cosey Beach pump station  
(Lump Sum) \$ \_\_\_\_\_
  - c. Meadow Street pump station  
(Lump Sum) \$ \_\_\_\_\_
  - d. Minor Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  
- 8 Labor and material for elevated precast Structure at
  - a. Farview Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  - b. Cosey Beach pump station  
(Lump Sum) \$ \_\_\_\_\_
  - c. Meadow Street pump station  
(Lump Sum) \$ \_\_\_\_\_
  - d. Minor Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  
- 9 Labor and material for elevated stairs and railings at:
  - a. Farview Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  - b. Cosey Beach pump station  
(Lump Sum) \$ \_\_\_\_\_
  - c. Meadow Street pump station  
(Lump Sum) \$ \_\_\_\_\_
  - d. Minor Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  
- 10 Labor and material for 25 driven concrete piles at all four pumping stations  
(1,150 LF at \$ \_\_\_\_\_ per LF) \$ \_\_\_\_\_

- 11 Labor and material for splicing of driven concrete piles at all four pumping stations  
(25 EA at \$\_\_\_\_\_ per EA) \$\_\_\_\_\_
- 12 Labor and material for pile tips at all four pumping stations  
(25 EA at \$\_\_\_\_\_ per EA) \$\_\_\_\_\_
- 13 Provide Pile Driving Analyzer (PDA) test at all four pumping stations  
(4 EA at \$\_\_\_\_\_ per EA) \$\_\_\_\_\_
- 14 Labor and material for replacement pumps at:
  - a. Farview Road pump station  
(Lump Sum) \$\_\_\_\_\_
  - b. Cosey Beach pump station  
(Lump Sum) \$\_\_\_\_\_
  - c. Meadow Street pump station  
(Lump Sum) \$\_\_\_\_\_
  - d. Minor Road pump station  
(Lump Sum) \$\_\_\_\_\_
- 15 Labor and material for piping and valves at:
  - a. Farview Road pump station  
(Lump Sum) \$\_\_\_\_\_
  - b. Cosey Beach pump station  
(Lump Sum) \$\_\_\_\_\_
  - c. Meadow Street pump station  
(Lump Sum) \$\_\_\_\_\_
  - d. Minor Road pump station  
(Lump Sum) \$\_\_\_\_\_

- 16 Labor and material for HVAC at:
  - a. Farview Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  - b. Cosey Beach pump station  
(Lump Sum) \$ \_\_\_\_\_
  - c. Meadow Street pump station  
(Lump Sum) \$ \_\_\_\_\_
  - d. Minor Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  
- 17 Labor and material for SCADA at:
  - a. Farview Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  - b. Cosey Beach pump station  
(Lump Sum) \$ \_\_\_\_\_
  - c. Meadow Street pump station  
(Lump Sum) \$ \_\_\_\_\_
  - d. Minor Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  
- 18 Labor and material for electrical at:
  - a. Farview Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  - b. Cosey Beach pump station  
(Lump Sum) \$ \_\_\_\_\_
  - c. Meadow Street pump station  
(Lump Sum) \$ \_\_\_\_\_
  - d. Minor Road pump station  
(Lump Sum) \$ \_\_\_\_\_



- 19 Labor and material for flow meters at:
- a. Farview Road pump station  
(Lump Sum) \$ \_\_\_\_\_
  - b. Meadow Street pump station  
(Lump Sum) \$ \_\_\_\_\_
- 20 Labor and material for concrete walkway and stair repair as shown on the contract drawings and as specified.  
(100 SY at \$ \_\_\_\_\_ per SY) \$ \_\_\_\_\_
- 21 Traffic control, Town police officer, required at Farview Road and Cosey Beach Pump Station during work restricting road access (traffic control at all other stations to be provided by Contractor personnel during Contractor work, associated costs to be included with general contract work). Rate includes 1 officer and 1 vehicle. Invoice to be paid directly by the Owner with no mark-up.  
(Allowance) \$ 20,000
- 22 Labor and material for landscape planting at all four pumping stations.  
(Allowance) \$ 20,000
- 23 New electrical service at all four pumping stations.  
(Allowance) \$ 20,000
- 24 Pump Station wet well cleaning and material disposal at all pump stations. Price to be paid will be based on time & materials spent cleaning each wet well, with an allowance of \$10,000 per station.  
(Allowance) \$ 40,000
- 25 Hazardous material abatement Work. Price to be paid will be based on receipt by the Contractor of Subcontractor quotes from at least three environmental remediation contractors for Work in abating the hazardous materials.  
(Allowance) \$ 50,000

**BID ALTERNATE 1 FOR ITEMS 2A-1 through 2D-2:**

Item 2 – General Contractor Work in Bid Item 1 places responsibility for disposal of all demolished equipment on the Contractor, however, it allows for the Owner to elect to retain any and all demolished equipment (the Contractor should assume all equipment with recoverable value is retained by the Owner, and all equipment with an associated disposal cost is disposed of by the Contractor, under Bid Item 1). In the event that the Owner elects not to retain equipment listed, and allows the Contractor to retain such equipment for recovery of its present value in its operational state or as recyclable material, the Contractor shall credit the Owner the following unit prices (if an item is believed to have no value to the Contractor and/or the Contractor may incur additional cost for disposal, the credit value shall be \$0.00; all potential disposal costs shall be included in Bid Item 1):

2A-1	Farview Road Pump Station generator	\$ _____/Ea
2A-2	Farview Road Pump Station ATS	\$ _____/Ea
2A-3	Farview Road Pump Station fuel tank	\$ _____/Ea
2B-1	Cosey Beach Pump Station generator	\$ _____/Ea
2B-2	Cosey Beach Pump Station ATS	\$ _____/Ea
2C-1	Meadow Street Pump Station generator	\$ _____/Ea
2C-2	Meadow Street Pump Station ATS	\$ _____/Ea
2D-1	Minor Road Pump Station generator	\$ _____/Ea
2D-2	Minor Road Pump Station ATS	\$ _____/Ea

**TIME OF COMPLETION**

Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with the Contract Documents on or before the dates or within the number of calendar days indicated in the Contract.

Bidder accepts the provisions of the Contract as to all consequential and other damages suffered by Owner in the event of failure to complete the Work, and any specified Milestones, within the Contract Times.

## **ATTACHMENTS TO THIS BID**

The following documents are attached to and made a condition of this Bid:

- A. Section 00402R1 Bid Form Pages 00402R1-1 through 00402R1-12
- B. Required Bid security in the form of Bid bond.
- C. Bidder's Experience and Qualifications.
- D. List of Subcontractors.
- E. State of Connecticut DAS Update (Bid) Statement and State of Connecticut DAS Contractor Prequalification Certificate.
- F. Control System Supplier Guarantee.

## **DEFINED TERMS**

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

## BID SUBMITTAL

### This Bid submitted by:

If Bidder is:

#### An Individual

Name (*typed or printed*): \_\_\_\_\_

By (*signature*): \_\_\_\_\_

Doing business as: \_\_\_\_\_

#### A Partnership

Partnership Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
(*Signature of general partner – attach evidence of authority to sign*)

Name (*typed or printed*): \_\_\_\_\_

#### A Corporation

Corporation Name: \_\_\_\_\_ (SEAL)

State of Incorporation: \_\_\_\_\_

Type (General Business, Professional, Service, Limited Liability): \_\_\_\_\_

By: \_\_\_\_\_  
(*Signature – attach evidence of authority to sign*)

Name (*typed or printed*): \_\_\_\_\_

Title: \_\_\_\_\_ (CORPORATE SEAL)

Attest: \_\_\_\_\_  
(*Signature of Corporate Secretary*)

Date of Qualification to do business is: \_\_\_\_\_

#### A Joint Venture

Joint Venturer Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
(*Signature of joint venture partner – attach evidence of authority to sign*)

Name (*typed or printed*): \_\_\_\_\_

Title: \_\_\_\_\_

(Each joint venturer must sign. The manner of signing for each individual, partnership, and corporation that is a party to the joint venture should be in the manner indicated above.)

Bidder's Business Address: \_\_\_\_\_

\_\_\_\_\_

Phone No.: \_\_\_\_\_ FAX No.: \_\_\_\_\_

Email: \_\_\_\_\_

BID SUBMITTED on \_\_\_\_\_, 20\_\_\_\_

Connecticut Contractor's License No.: \_\_\_\_\_


Contractor's License Class (where applicable): \_\_\_\_\_

**END OF SECTION**

## **Attachment B**

### **Tri-Gas Monitor Instrumentation Datasheet**

## INSTRUMENT DATA SHEET 2.04B – TRI-GAS DETECTOR

	GAS DETECTOR	TAG NO: <u>AIT-2107</u>	PAGE: <u>1 of 1</u>	
		P&ID #: <u>N/A</u>	PRINTED: <u>4/28/2017</u>	
		SPEC. NO: <u>13420</u>		
PROJECT NUMBER: <u>223133.11</u>	REV	REVISION DESCRIPTION	BY	DATE
DESCRIPTION: <u>East Haven Pump Station Resiliency Implementation</u>				
SERVICE: <u>Farview Tri-Gas Monitor</u>				
<b>SENSOR</b>	Gas / Type of Sensor: <u>Infrared LEL, Oxygen, H<sub>2</sub>S</u>	Oxygen Requirement: <u>N/A</u>		
	Sensor Mounting: <u>Integral</u>	Body Material: <u>N/A</u>		
	Sensor Connection: <u>N/A</u>	Enclosure Class: <u>Unclassified</u>		
	Sensor Range/units: <u>0-100%, 0 – 25%, 0-50ppm</u>	Cable Length: <u>N/A</u>		
	Temp Range: <u>0 – 125°F</u>			
<b>TRANSMITTER</b>	Mounting: <u>Wall-mount</u>	Output Signal/Qty: <u>(3) 4-20mA</u>		
	Enclosure Rating: <u>Unclassified</u>	Local Indicator/Style: <u>Yes, LCD</u>		
	Enclosure Material: <u>Fiberglass</u>	Digital Comm. Protocol: <u>N/A</u>		
	Power Supply: <u>120VAC</u>	Alarm Relays/No.: <u>Yes, 3</u>		
	Accuracy: _____	Relay Type/Rating: <u>(3) 5A SPDT, 0.5 SPST</u>		
<b>PROCESS DATA</b>	Proc Fluid / State: <u>Dry-Well Atmosphere</u>	Flow (Min/Oper/Max): _____		
	Specific Gravity: <u>-</u>	Flow Units: _____		
	Percent Solids: <u>-</u>	Pressure (Min/Oper/Max): _____		
	Conductivity: <u>-</u>	Pressure Units: <u>psig</u>		
	Viscosity: <u>-</u>	Temperature (Min/Oper/Max): _____		
	Line Size / Sched.: _____	Temperature Units: <u>°F</u>		
	Line No.: _____			
<b>ACCESSORIES</b>	Sample Pump: <u>Yes</u>	Option-1: _____		
	Calibration Cap: <u>N/A</u>	Option-2: _____	<u>Amb</u>	
	Alarm Light: <u>Yes</u>	Option-3: _____		
	Device Tag: <u>Yes</u>	Option-4: _____	<u>Amb</u>	
<b>MANUFACTURER OR APPROVED EQUAL</b>	Manufacturer 1: <u>MSA TriGas Monitoring System (basis of design)</u>			
	Manufacturer 2: _____			
	Manufacturer 3: _____			
<b>COMMENTS</b>				
<b>NOTES</b>				

## **Attachment C**

### **Bidder's Checklist**

1. Original Signed Hard Copy of Bid Form (Pages 00402R1-1 to 00402R1-12)
2. Required Bid Security (Instructions to Bidders, Article 8, Page 00200-5)
3. Bidder's Statement of Qualifications (Instructions to Bidders, Article 3, Page 00200-2)
4. List of Subcontractors
5. State of Connecticut DAS (Department of Administrative Services) Update (Bid) Statement and State of Connecticut DAS Contractor Prequalification Certificate
6. Control System Supplier Guarantee (Section 13440, 13450, 13460 Part 2.01.H)