ADDENDUM NO. 3
SANITARY SEWER IMPROVEMENTS-PHASE 2
DAYTON INTERNATIONAL AIRPORT
(17% MBE Participation)

TO ALL BIDDERS:

This addendum, including all articles and corrections listed below, shall be taken into account in preparing the “Bid Forms” and shall become part of the Contract.

All bidders are requested to attach this Addendum to the Bid Forms and return to the City.

A. INVITATION TO BID:

1. Change in the bid date, which has been extended:

   Sealed bids will be received by the Director of Public Works of the City of Dayton, State of Ohio, until 12:00 Noon (local Dayton time), THURSDAY, March 21, 2019. No questions will be addressed if submitted later than the End of Business Day on Friday, March 15, 2019.

B. CLARIFICATIONS AND QUESTIONS received by e-mail including responses and clarifications (underlined and in italics):

1. QUESTION: Plan page C2-1 Demo Cargo West PS2 - Please clarify detail 1, the left side of the note states to fill with pea gravel and cap with 12” of concrete. Then the right side says cut the structure down 4’ below grade. Which one do we do or is it combination of both? Typically when we cut a structure down below grade we just fill the structure with aggregate and compact fill back into the area of lowering.

   Response: “Cut the structure 4ft below grade, then fill with pea gravel, and cap with 12” of concrete”

2. QUESTION: There is an additional 91’ of 12” SDR35 gravity sewer. Where would like us to put the cost for that?

   Response: Bid Form will be been updated to include the additional pipe length.

3. QUESTION: Can the pump stations have round anti-floatation flanges?

   Response: This recommendation needs to come from the wet well supplier and their engineering team.
4. **QUESTION:** Can precast concrete wet wells be used as an alternate to the HDPE ones?
   
   **Response:** Precast concrete wet wells will not be considered.

5. **QUESTION:** After reviewing the drawings, is there anyway to switch the roof to just a single slope or gable roof? This would be a more cost effective way to build this structure.
   
   **Response:** Yes, please consider single or double slope colored roofs to be an acceptable alternate for the proposed pump house structure. A turn key building is expected. Approved metal building suppliers include but not limited to – Butler Manufacturing, Nucor Building Systems, American Metal Buildings, or approved equal. The building manufacturer must meet all State of Ohio and City of Dayton building code requirements.

6. **QUESTION:** Due to the nature of your projects scope of work, would the owner consider breaking up the 17% MBE Goal, possibly make it 7% MBE, 5% SBE, and 5% WBE. This would allow more PEP Participants to be utilized on the project.
   
   **Response:** The Contractor should make a “Good Faith Effort” to meet the 17% MBE goal that may include contacting HRC’s Technical Assistance program for help in meeting the set goal. This is a requirement in the waiver request process as part of the Good Faith Efforts.

7. **QUESTION:** Can you please provide any contact info on the steel building designer or contractors/suppliers?
   
   **Response:** See response to question 5 above.

8. **QUESTION:** Can you clarify where the 25’ of 6” HDPE DR11 open cut is to be installed for PS3, Central Pump station?
   
   **Response:** Refer to PS3-7 where the forcemain pipe exits the Central PS to the new Concrete Valve Vault. The 25-Ft of 6” HDPE is an approximate distance. Actual location of vault will be determined in the field as a Construction Layout task.

9. **QUESTION:** Alternate #6 - you have bid item for 700 CY of excavation with embankment. Can you please clarify the cut & fill quantities and their location?
   
   **Response:** The excavation and embankment bid item will be reduced to 350CY and is included to account for:
   
   - the back of curb grading (mostly fill needed) and
   - underneath Cargo Road PCC pavement reconstruction which has some potential cut (existing PCC pavement section looks to be 12” deep while our new pavement is 15” deep).
10. QUESTION: Page 4 of 18 for Item SPL-8 Prefab Steel Building-Central PS, under Submittals- Section A- it states that the “selected contractor shall submit the proposed building manufacturers product information, specifications, and installation instructions for building components and accessories at the time of the Bid for review and approval (if warranted) by the Engineer before award is made”. Will this information be required to be submitted at bid time?

Response: No prequalification is required. See Response to Question # 5. Building shop drawings, signed and sealed by the manufacturer must be submitted as part of the submittal review process.

11. QUESTION: Will the 2” meter pit be provided by the city of Dayton?

Response: Meter pit, piping and valves shall be provided by the Contractor per Detail 1 on Sheet C6-3. 2” Meter to be provided by the City. Meter pit and parts, service permit and 2” meter set fee to be paid for by Contractor and included in the SPL Line Item(s) cost.

12. QUESTION: What is the spec on the flushing hydrant called out on the outside of the building?

Response: Kupferle Foundry Eclipse #2 Post Hydrant or equal. Complete with shut-off valve in a valve box. Installed per manufacturer recommendations.

C. SPECIFICATIONS

1. SPL-2 Factory Built Pump Station, REVISE:

1.05 - PERFORMANCE CRITERIA
Each pump shall be selected to perform under the following operating conditions:

PS2 - Cargo West Pump Station
a. Capacity (GPM) ............................................... 150
b. Total Dynamic Head (FT) .................................. 32
c. Minimum Submergence Depth (FT) ............... 1
d. HP ................................................................. 5.0

PS3 - Central Pump Station
a. Capacity (GPM) ............................................... 350
b. Total Dynamic Head (FT) ................................. 188
c. Minimum Submergence Depth (FT) ............... 1
d. HP ................................................................. 60

2.03 PUMP DESIGN

Cargo West Pump Station: “Bames Sithe” model or approved equal
Central Pump Station: “Bames X-Pruf” model or approved equal
2. SPL-3 Emergency Generator: ADD:

Refer to the Electrical Section 26 for “supplemental specification, requirements and approvals” for the generator and transfer switch. In case of a conflict, the more stringent specification shall apply.

D. DRAWINGS

In the Drawing Set, Add, Revise and/or Change the Following Sheets:

1. Sheet G2-2, Construction Safety Phasing Plan and Notes:
   a. Note 2, Revise to state 300 Days for Base Bid Work; 320 Days for Base Bid and Alternate Work.
   b. Note 12, Revise to state Equipment Height to set the wet wells, generators, Central Pump Station building frame and any other work where an extended boom may be needed shall be submitted for FAA approval at the start of the project.

2. Sheet C1-4, Cargo East – PS1 Forcemain Plan and Profile:
   a. Revise: Valve Vault Size to a 6 ft x 6 ft Valve Vault

3. Sheet C2-2, Cargo West – PS2 Forcemain Plan and Profile:
   a. Revise: Manhole S-14 and S-15 Size to 5-Ft Dia MH
   b. Add Note: Connect new MH S-4 to existing overflow pipe to Lagoon. Contractor shall pothole existing pipe and determine exact depth prior to ordering MH. Cost for potholing to be included in Bid Item 810.06. Also see Sheet PS3-4.
   c. Clarification: Manhole S-14, S-15 and SDR 35 Piping between MHs will be included under the Cargo West Line Items on Bid Sheet.

4. Sheet C2-3, Cargo West – PS2 Forcemain Plan and Profile:
   a. Revise Plan View: 165 LF of Directional Drilling to 100 LF of Direction Drilling

5. Sheet C2-7/8, Cargo West – PS2 Forcemain Plan and Profile:
   a. Relabel Sheets to Read: Cargo West - PS2 Gravity Sewer Main and Profile
   b. Relabel SDR-35 to SDR-26

6. Sheet C6-2, Sanitary Sewer Details:

   Revise: Detail 3, Cargo Road East PS New to Existing Sewer Main Connection, to have a 6-Ft x 6-Ft Concrete Vault.
7. **Sheet C6-5, Drainage Details:**
   Replace: Catch Basin Type C with a Catch Basin Type 3. Detail can be found on the City of Dayton website, daytonwater.org

8. **Sheets PS3-3/4/5, Central PS3 Floor Plan and Section Views:**

9. **Sheets PS3-7, Central PS3 Plumbing Plan:**
   Add Notes:
   4. Cost of investigating the existing underground piping shall be included in Line item 810.06, Investigation and Location of Underground Utilities. Underground Utility Investigation shall be done prior to Manhole and Wetwell submittal.
   5. The existing 8” Gravity Line from Lagoons @ & 3 will be abandoned and removed from beneath the new floor slab to 10-Ft from foundation. Pipe shall be cut and plugged. Cost to be included in Item 202 – Removal of Pipe and MH.
   6. The existing 6” Force Main to Lagoon #2 and #3 will be abandoned and removed from beneath the new floor slab to 10-feet from the foundation. Pipe shall be cut and plugged. Cost to be included in Item 202 – Removal of Pipe and MH.
   7. Cut and Plugs shall be included in Item 202 – Removal of Pipe and MH.

10. **Sheet EPS3-2/3, Central PS Enlarged New Work Plan / One Line Diagram:**
   A) Add Gas Unit Heater (UH-2) and Circuit to Northeast corner of the new building.
   B) Add Circuit to Panel LP-PS3 for UH-2 and use the spare circuit number one.
   C) Electrical Contractor to wire UH-2 motor thru wall thermostat mounted next to west wall door.
   D) Revise generator breaker to be rated for 400A.

11. **Sheet TOC-2, TOC Monitoring Station Details:**
   A) Add: A sampling spigot outlet on the pipe before the meter.
   B) Add Note: Meter display transmitter and data logger shall have power installed to it from the circuit panel. The data logger will have a 4-20 communication feed from the transmitter. Refer to Electrical Specification Division 26 for requirements.

**E. BID FORM**

Note: An updated Bid Proposal Form will be included in an addendum to be released the week of March 17, 2019.
March 08, 2019
Keith Steeber, City Engineer
Department of Public Works
EXISTING "T" CONNECTION AND 10" FORCE MAIN TO BE REMOVED
DEMO. NORTH AND WEST WALLS OF EX. STRUCTURE
DEMO. ENTRY SLAB AND DOORWAY OF EX. STRUCTURE
DEMO. ROOF STRUCTURE AND PARAPET
EXIST. MANHOLE TO BE REMOVED
EXIST. VALVE MANHOLE TO BE REMOVED AND DISCONNECTED
EXIST. 10" FORCE MAIN FROM LAGOON 1 DEMO AS NEEDED TO INSTALL PROPOSED WET WELL
EXIST. 10" FORCE MAIN FROM LAGOON 1 PLUG AT EXISTING CONCRETE WET WELL
NEW HDPE WETWELL

HIGH WATER 988.50
LOW WATER 977.04
BOTTOM ELEV. 975.04

12" SDR-35 PVC FROM CONCORDE DR INLET INV. 989.00
INTERCEPT AND CONNECT 10" PE1 FROM SURGE LAGOON 1 INV. APPROX. 988.40

12" SDR-35 PVC STUB OUT FOR FUTURE CONNECTION FROM CONCORDE DR INLET INV. 989.91

C6-1 PROPOSED MANHOLE

EXISTING VALVE MANHOLE EX. 10" PE1 TO REMAIN AS OVERFLOW TO LAGOON 1 INV. APPROX. 993.00

EXISTING AUTOMATED VALVE AND OPERATOR TO REMAIN

6" HDPE