

# **ADDENDUM NO. 1**

## **CITY OF PENDLETON** **East End Booster Pump Station** **Issued: Monday, October 2, 2023**

**Bid Opening Date: October 5, 2023 @ 2:00 p.m.**

TO ALL PLANHOLDERS:

This Addendum provides the following information and changes to the Bid Documents:

### **PLANS/SPECIFICATIONS - CLARIFICATIONS/REVISIONS**

1. ADD the following General Note 2 to drawing M-5 "FM-1 is a transient time flow meter, see specification 40 71 66, Transit Time Flow Meters."
2. ADD the following General Note 1 to drawing M-3 "FM-2 is a turbine flow meter, see specification 40 71 36, Turbine Flow Meters."
3. In Specification 31 23 23, Fill sub section 3.5 Item B, ADD the following sentence to the end of the paragraph. "Testing to be completed by an independent laboratory approved by the Owner's Representative."
4. Replace Bid Proposal Page 3 and 4 with Page 4 and 5 of this Addendum.
5. In Specification 43 21 27, Vertical Turbine Pumps, Can Type, Open Lineshaft sub section 2.2 Item B, REPLACE the table with the following table.

<b>Pump 1 &amp; 2 Current</b>			
	<b>Duty Point 1 (Primary Duty Point)</b>	<b>Duty Point 2</b>	<b>Duty Point 3</b>
Flow Rate (gpm)	<b>625</b>	<b>425</b>	<b>700</b>
Total Dynamic Head, min (ft)	<b>153</b>	<b>187</b>	<b>132</b>
Minimum Overall Pump Efficiency (%):	<b>81</b>		
Maximum Pump Speed (rpm)	<b>1,800</b>		
Motor Size (hp)	<b>30</b>		
<b>Pump 1 &amp; 2 Future</b>			
	<b>Duty Point 1 (Primary Duty Point)</b>	<b>Duty Point 2</b>	<b>Duty Point 3</b>
Flow Rate (gpm)	<b>1000</b>	<b>700</b>	<b>800</b>
Total Dynamic Head, min (ft)	<b>155</b>	<b>196</b>	<b>186</b>
Minimum Overall Pump Efficiency (%):	<b>80</b>		
Maximum Pump Speed (rpm)	<b>1,800</b>		
Motor Size (hp)	<b>50</b>		
<b>Pump 3 and 4</b>			
	<b>Duty Point 1 (Primary Duty Point)</b>	<b>Duty Point 2</b>	<b>Duty Point 3</b>
Flow Rate (gpm)	<b>1590</b>	<b>1250</b>	<b>1900</b>
Total Dynamic Head, min (ft)	<b>196</b>	<b>220</b>	<b>166</b>
Minimum Overall Pump Efficiency (%):	<b>81</b>		
Maximum Pump Speed (rpm)	<b>1,800</b>		
Motor Size (hp)	<b>100</b>		

## **PLANS/SPECIFICATIONS - CLARIFICATIONS/REVISIONS – Continued**

6. In Specification 43 21 27, Vertical Turbine Pumps, Can Type, Open Lineshaft sub section 2.1 Item A, REPLACE paragraph with the following, "Acceptable pump manufactures American Turbine (national Pump Co.), Floway, or approved equal."
7. City desires Vertical Turbine Pumps that closely match the efficiency and duty points outlined in the table. City is also receptive to alternative bid submittal, with pricing, and pump curves under Bid Item C4 and/or C5 provided as additional consideration(s) for City selection and substitution consideration for the pumps provided in the Grand Total Bid Amount.
8. ADD the following note to Detail 3 on Sheet MD-1, "Furnish and install brass or copper, fittings, piping and valving to provide air release out of the pump column, Intent is to allow owner/operator to bleed air out of the pump column."
9. Change ESC-2 Sheet number to ESC-1.
10. Clarification: Geotextile fabric required per note 5 on drawing C-2.
11. Notes and attendance sheet from the pre-bid meeting are attached to this addendum, see pages 6 through 10.

### **QUESTION RECEIVED**

1. Confirm which flow meter is designated as the turbine flow meter and the transient time flow meter.  
*Answer: See item 1 and 2 above under Plans/Specifications – Clarifications/Revisions.*
2. The prime coating for the exposed piping in the specification calls out for Tnemec series 90-97 or equal. Would Series 90-98 be approved as an equal? At least one of the ductile fitting manufacturers says they no longer offer the 90-97.  
*Answer: Substitutions and Or Equals are not being evaluated as part of bidding. We have confirmed through DIP manufacturers that Tnemec 90-97 is available and commonly used for fabricated spools.*
3. Substitution request package for the engine generator as manufactured by MTU a Rolls-Royce Solution.  
*Answer: Substitutions and Or Equals are not being evaluated as part of bidding.*

**All bidders shall acknowledge receipt and acceptance of this Addendum by completing the spaces and signing where indicated below and submitting it with the Proposal. Bids submitted without signing for the Addendum may be considered informal.**

CITY OF PENDLETON



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Bob Patterson, PE  
Public Works Director  
City of Pendleton  
500 SW Dorion Avenue  
Pendleton, OR 97801

**BIDDER'S ACKNOWLEDGMENT:**

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Company Name (please print)<sup>2</sup>

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Bidder's Name (please print)

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Signature

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Title

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Address

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City, State

## EAST END BOOSTER PUMP STATION PROJECT

**Time of Completion:** No later than May 30, 2025

Item No.	Approx. Quantity	Item with Unit Price Bid	Unit Price	Extended Total
A1	1 LS	Erosion Control	_____	_____
A2	1 LS	Grading and Earthwork	_____	_____
A3	1 LS	Site Piping, Fittings, and Valves	_____	_____
A4	1 LS	Flow Meter and Vault	_____	_____
A5	1 LS	Roads and Parking Area	_____	_____
A6	1 LS	Misc. Site: Infiltration Swale Weir, Gravel Ditches, etc.	_____	_____
<b>SUBTOTAL CIVIL (SITE WORK):</b>				_____
B1	680 SF	CMU Building	_____	_____
<b>SUBTOTAL CMU BUILDING:</b>				_____
C1	1 LS	Above Ground Piping	_____	_____
C2	1 LS	Fittings	_____	_____
C3	1 LS	Valves	_____	_____
C4	2 EA	Pumps 1, 2	_____	_____
C5	2 EA	Pumps 3, 4	_____	_____
<b>SUBTOTAL MECHANICAL:</b>				_____

<u>Item No.</u>	<u>Approx. Quantity</u>	<u>Item with Unit Price Bid</u>	<u>Unit Price</u>	<u>Extended Total</u>
D1	1 EA	Unit Heater	_____	_____
D2	1 LS	Heat Pump Unit (Indoor x 3, Outdoor x 1)	_____	_____
D3	1 LS	Concrete Pad, 4" Thick	_____	_____
<b>SUBTOTAL HVAC &amp; PLUMBING:</b> _____				
E1	1 LS	Utility Charge	_____	_____
E2	1 LS	Generator and Pad	_____	_____
E3	1 LS	Service Equipment	_____	_____
E4	1 LS	MCC and VFDs	_____	_____
E5	1 LS	Conduit and Wire	_____	_____
E6	1 LS	Lighting	_____	_____
E7	1 LS	Controls, Instrumentation, and Misc.	_____	_____
<b>SUBTOTAL ELECTRICAL &amp; CONTROL:</b> _____				
<b><u>GRAND TOTAL BID AMOUNT:</u></b> _____				



## MEETING AGENDA

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Client:	City of Pendleton, OR
Project Name:	East End Booster Station
Meeting Description:	Pre-Bid Meeting - Technical
Date and Time:	September 20, 2023 – 10:30 am
Location:	Water Filtration Plant Conference Room, 1001 Goad Rd, Pendleton, OR

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### Notes from meeting in Bold

1. Introductions
  - a. Sign-In Sheet
  - b. Agenda Overview
  - c. Introduction of City & Engineer Staff
    - i. **Scott Roe to take over for Tim as City PM after the first of the year**
2. Bidding
  - a. Project Questions
    - i. Direct all questions by email or phone to:
      1. Tim Smith, Project Manager  
[Tim.Smith@ci.pendleton.or.us](mailto:Tim.Smith@ci.pendleton.or.us)  
541-379-1195
    - ii. Only answers issued via Addenda shall be binding
  - b. Bid Documents
  - c. Complete set of project bidding documents may be examined and purchased until September 29, 2023 from;
    - i. Public Works Director's office
    - ii. City of Pendleton's Website: [www.pendleton.or.us/rfps](http://www.pendleton.or.us/rfps)
    - iii. OregonBuys Website: <https://oregonbuys.gov/bsv/view/login/login.xhtml>
  - d. Contractor Pre-Qualification and Qualification
    - i. Link to pre-qualification application in RFP
    - ii. Qualification worksheet in RFP
3. Schedule for bidding
  - a. **September 28th – Addendum to be issued COB, if needed**
    - i. **Last clarification to be provided by COB September 26<sup>th</sup>**
  - b. October 5<sup>th</sup> - Bid Opening
  - c. **Intent to award October 10<sup>th</sup> (anticipated)**
  - d. October 19th – City approval of Bid (anticipated)
  - e. NTP – **November/ December**
  - f. Contract Times (Agreement)

- i. Final completion and ready for final payment May 30, 2025 (with 1% of the price of contract work not yet completed or \$500 per calendar day, whichever is greater LDs)
- 4. Project Highlights
  - a. Background and Description of Work
    - i. This project shall consist of the Contractor furnishing the labor, materials, and equipment for the construction of a new booster pump station and associated site improvements.
      - 1. Booster pump station construction includes installation of a 34'-0" by 20'-0" concrete masonry unit building with two 100-hp and two 30-hp vertical turbine can pumps and an external emergency generator.
      - 2. Grading work includes over excavation and providing fill to build up the site to finished grade and grading the stormwater pond.
      - 3. Site Improvements will also include installation of a vault, site piping, including multiple waterline connections, and asphalt construction.
      - 4. The installation of the pump stations discharge piping will end at the property line and connect to a waterline that is being constructed as part of another project.
      - 5. Property purchase anticipated to be complete late 2023 or early 2024. MOU signed by owner to proceed with bid**
      - 6. Pipeline project – bidding in October**
      - 7. Any additional items specifically defined in the Bid Documents.
    - ii. System overview
      - 1. East End Booster Pump Station will primarily serve the east portion of the Cemetery PZ. The station will have a firm capacity of 2,000 gpm and total capacity of 3,600 gpm. The Station's suction header will tie-in to the existing 24" waterline (water filtration plant outlet) located in Goad Road and the discharge header will tie-in to a new 18" waterline being constructed as part of a separate project (refer to item 4.f.i.1 below).
- b. Geotechnical report included as Appendix
  - i. Unsuitable soils identified on site (see mass excavation requirements)
- c. Construction Area and ESC
  - i. Detailed on ESC Plan
  - ii. Stockpile location on site
- d. Site Layout
  - i. Gravel access road
  - ii. Asphalt surfacing
  - iii. Stormwater infiltration pond
  - iv. Structures
    - 1. Booster Station
    - 2. Transformer and generator concrete foundation
    - 3. Concrete vault
    - 4. Culvert headwalls
  - v. Site lighting & electrical
- e. Site Grading

- i. Site grading detailed on C-2
- ii. Strip and grub extents
- iii. Drainage ditch
- iv. Mass excavation of building footprint to remove unsuitable soils
  - 1. Refer to CD-1
  - 2. Bottom of building excavation extends laterally at least 10 ft
  - 3. Structural fill required for site as specified in drawings and Specification Section 31 23 23- Fill.
- v. Final fill and cut slopes not to exceed 3:1
- vi. Fill slope bench requirements per Detail 4 Sheet CD-1 for existing site slopes 5H:1V or steeper
- vii. Geotextile fabric required on top of undisturbed site soil supporting pavement and access areas before placing structural fill refer to note 5 on Drawing C-2
- f. Site Piping
  - i. 24" pump suction header piping
    - 1. Connecting to existing 24" discharge from the Water Filtration Plant and routing under existing 24" raw water intake to WFP. Elevation of tie in point is critical and must be field verified during construction.
      - a. Tie in preferred June-November (June would be optimal)**
    - 2. 24" BFV is owner furnished STA A2+10
  - ii. 18" pump discharge header piping
    - 1. City to confirm timing of 18" waterline construction (separate project)
  - iii. Stormwater/overflow and building drain connections
- g. Booster Station
  - i. CMU building w/ metal roof and gutters
    - 1. Split & smooth face CMU
  - ii. Concrete slab
  - iii. Roof hatches for pump removal
  - iv. One double door & two windows
  - v. External lighting
  - vi. Fill station – **will be tied to SCADA**
  - vii. HVAC
  - viii. Vertical turbine can pumps 100 hp (x2) & 30 hp (x2)
  - ix. Mechanical piping & appurtenances
  - x. Building electrical & controls
  - xi. Standby generator
- 5. System Integration
  - a. Per 40 68 66 – Programming of Controller Software, system integration shall be provided by Simtek Industrial Control (hired by contractor)
- 6. Permitting
  - a. Traffic Control (contractor to obtain) – **required for waterline tie-in within Goad Road. Needs to be coordinated with the County.**
  - b. Erosion Control (contractor to obtain) – **will be 1200c**
  - c. Right-of-Way permit (contractor to obtain) – **not a permit, but application**



- d. Building Permit – Owner to obtain with Contractor’s final design and structural calculations.
  - i. **Structural only. Contractor will be responsible for submitting/coordinating HVAC, plumbing, electrical elements.**
- 7. Utility Coordination
  - a. Water system – City of Pendleton
  - b. **Sewer and gas near project limits but not anticipated to be impacted. Existing utility locations to be confirmed during construction.**
  - c. Power – Pacific Power
    - i. **City to initiate Work Order with Pacific Power.**
- 8. Testing
  - a. Contractor to provide independent third party, subject to City review, for QC testing specified (e.g. trench backfill compaction)
  - b. Special inspections by City - **Third party**
  - c. Disinfection and pressure testing of potable water facilities
  - d. City to provide special inspections (see Sheet S-2)



East End Booster Station - City of Pendleton  
Pre-Bid Meeting  
Wednesday, September 20, 2023

#	NAME	ORGANIZATION	PHONE NUMBER	EMAIL
	Bob Patterson	City of Pendleton	(541) 966-0241	Bob.Patterson@ci.pendleton.or.us
	Tim Smith	City of Pendleton	(541) 379-1195	Tim.Smith@ci.pendleton.or.us
	Scott Roe	City of Pendleton	(541) 969-3148	Scott.Roe@ci.pendleton.or.us
	Heather Pina	Conсор	(509) 321-6009	heather.pina@consoreng.com
	Dennis Galinato	Conсор	(208) 947-9033	Dennis.Galinato@consoreng.com
	Morrow Gabriel	Simtek	(541) 377-2830	Morrow@simtek-ICA.com
	David Gabriel	Simtek	(541) 561-1561	David@simtek-ICA.com
	Mike Becker	MBGC	(541) 963-7096	mbecker@mikebecker.com
	Jeff Homes	Gordons Electric	(541) 276-3154	Jeff@gordonselectric.com
	Burke Neuman	Neuman Electric	(509) 521-2639	Burke@neumanelectric.com
	Mario Lipari	2KG Contractors	(503) 489-2020	bids@2kgcontractors.com
	Ray Temple	Silvercreek Contracting	(541) 398-1025	Ray@silvercreekcontracting.com
	Bryce Rotschy	Rotschy	(360) 334-3100	Bryce.rotschy@rotschyinc.com