



**ADDENDUM #3
TO
RFP #2024-02
Wastewater Treatment Plant Phase I Improvements Project
DATE ISSUED: May 3, 2024**

TO: PROSPECTIVE BIDDERS AND PLANHOLDERS

SUBJECT: CHANGES TO CONTRACT DOCUMENTS

ITEM NO. 1 – PART 2 – BIDDING FORMS

- A. Delete 2.3 Bid Guaranty and replace with 3.15 Bid Bond form released with Addendum 2.

ITEM NO. 2 – PART 3 – CONTRACT FORMS

- A. Delete 3.15 Bid Bond form released with Addendum 2. See Item No. 1 of this addendum.

ITEM NO. 3 – PART 5 – TECHNICAL SPECIFICATIONS – DIVISION 46 – WATER AND WASTEWATER EQUIPMENT SECTION 46 23 27 GRIT REMOVAL EQUIPMENT

- A. Remove and replace section 2.2 B.1 on page 46 23 27 – 5 to read:

“1. Minimum Capacity: 250 gpm @ 13.75 FT TDH.”

ITEM NO. 4 – PART 5 – TECHNICAL SPECIFICATIONS – DIVISION 46 – WATER AND WASTEWATER EQUIPMENT SECTION 46 51 21 COARSE BUBBLE DIFFUSERS

- B. Remove and replace section 1.1 A. on page 46 51 21 – 1 to read:

“A. Section includes coarse-bubble diffusers.”

ITEM NO. 5 – PART 5 – TECHNICAL SPECIFICATIONS – DIVISION 46 – WATER AND WASTEWATER EQUIPMENT SECTION 46 51 21 COARSE BUBBLE DIFFUSERS

- A. Remove and replace section 2.1 B. on page 46 51 21 – 3 to read:

“B. Description

1. Material: Welded stainless steel
2. Support Height: Infinitely adjustable
- ~~3. Diffuser: Check Valve~~
3. End Connections: ¾-inch NPT male inlet. “

ITEM NO. 6 – PART 5 – TECHNICAL SPECIFICATIONS – DIVISION 46 – WATER AND WASTEWATER EQUIPMENT SECTION 46 51 33 FLEXIBLE MEMBRANE DISC DIFFUSERS

- A. Remove and replace section 2.1 B.1 on page 46 51 33 – 3 to read:

“1. The aeration tanks are configured as follows (dimensions in feet):



Train 1	Length	Width	SWD	Grids	Diffusers/Grid	Holders/Grid	Air Demand - Max (scfm)	Air Demand - Min (scfm)
Swing Zone - North	32'-11"	14'-11"	15'-6"	1	208	208	564	260
Aerobic Zone 1 - North	32'-11"	14'-11"	15'-0"	1	176	176	476	220
Aerobic Zone 2 - North	66'-0"	14'-11"	15'-0"	1	152	152	400	185
Aerobic Zone 3 - North	66'-0"	14'-11"	15'-0"	1	80	80	217	100
Train Total				4	616	616	1,655	765
Train 2								
Swing Zone - South	32'-11"	14'-11"	15'-6"	1	208	208	564	260
Aerobic Zone 1 - South	32'-11"	14'-11"	15'-0"	1	176	176	476	220
Aerobic Zone 2 - South	66'-0"	14'-11"	15'-0"	1	152	152	400	185
Aerobic Zone 3 - South	66'-0"	14'-11"	15'-0"	1	80	80	217	100
Train Total				4	616	616	1,655	765
Project Total				8	1232	1232	3310	1530

ITEM NO. 7 – PART 5 – TECHNICAL SPECIFICATIONS – DIVISION 46 – WATER AND WASTEWATER EQUIPMENT SECTION 46 51 33 FLEXIBLE MEMBRANE DISC DIFFUSERS

A. Remove and replace section 2.1 C.3.d on page 46 51 33 – 5 to read:

“d. Add **between 0.5 to 3** parts by weight of titanium dioxide per 100 parts of resin to PVC compounds for manifolds, air distributors, joints and PVC diffuser assembly components to minimize ultraviolet light degradation.”

ITEM NO. 8 – PART 5 – TECHNICAL SPECIFICATIONS – DIVISION 46 – WATER AND WASTEWATER EQUIPMENT SECTION 46 51 33 FLEXIBLE MEMBRANE DISC DIFFUSERS

A. Remove and replace section 2.1 C.4.d on page 46 51 33 – 5 to read:

“d. Limit the maximum tensile **stress** of the diffuser to 10 psi when operating at 2.4 SCFM/ft² of material. Furnish proportionately thicker material for larger diameter disc diffusers to limit the maximum tensile stress and to resist stretching.”

ITEM NO. 9 – PART 5 – DRAWINGS

A. Drawing M-311, Aeration Basin Plan:

Delete all notation referring to a 3” WATER CANNON. Project does not include water cannons.

B. Drawing M-312, Aeration Basin Bottom Plan:

Add label to IMLR pump with tag number PMP-316 to read: “IMLR PUMP 2”.

C. Drawing M-711, Chlorine Room Improvements Plan:



Revise notation referring to the tablet chlorinator to read: "TABLET CHLORINATOR PER TECHNICAL SPECIFICATIONS 46 41 45".

D. Drawing M-711, Chlorine Room Improvements Plan, Section A:

Revise notation referring to pipe overhead support to read: "PROVIDE PIPE OVERHEAD SUPPORT PER TECHNICAL SPECIFICATION SECTION 40 05 13.07".

E. Drawing M-712, CCT Tank Demolition Plan:

Revise notation referring to the Existing EPS Influent Channel to read: "EXISTING INFLUENT CHANNEL TO BE RE-USED AS A WET WELL TANK FOR THE NEW UW PUMP. SEE M-713 FOR PROPOSED WORK".

ITEM NO. 10 – PRE-BID MEETING

- A. The Mandatory Pre-Bid Meeting Agenda is attached (4 pages).
- B. The Mandatory Pre-Bid Meeting Attendees List is attached (2 pages).

ITEM NO. 11 – BIDDER'S QUESTIONS

- A. See attached questions from Bidders and associated responses (5 pages).

THIS ADDENDUM IS HEREBY MADE A PART OF THE CONTRACT DOCUMENTS TO THE SAME EXTENT AS THOUGH IT WERE ORIGINALLY INCLUDED HEREIN.

MEETING AGENDA

Client:	City of Scappoose
Project Name:	WWTP Improvements
Meeting Description:	Pre-Bid Meeting
Date and Time:	April 30, 2024, 10:00 AM
Location:	34485 E Columbia Ave. Scappoose, OR 97056

1. Introductions

- A. Sign-in Sheet
- B. Owner – City of Scappoose
 - 1. Project Manager: Dave Sukau
 - 2. WWTP Supervisor: Kevin Turner
 - 3. WWTP Staff: Angela Brown
- C. Engineer – Consor
 - 1. Project Manager: Austin Rambin
 - 2. Project Engineer – Sch A: Patrick Davis
 - 3. Project Engineer – Sch B: Justin Moman
 - 4. Structural: Peterson Structural Engineers
 - 5. Electrical Instrumentation and Controls: Industrial Systems
 - 6. Architectural: Strongwork Architecture
 - 7. Geotechnical: Delve Underground

2. Key Discussion Items

- A. Project Overview
- B. **Schedule A – Phase 1 Improvements:**
 - 1. Goal: Construct improvements with WWTP online and in compliance with NPDES permit, while adhering to funding agency requirements and meeting the completion schedule.
 - 2. Schedule A Scope of Work:
 - a. IPS Upgrades and Influent Force Main modifications
 - b. Headworks Building
 - c. Grit Chamber and Primary Flow Split
 - d. Chemical Feed Building
 - e. Aeration Basin
 - f. Mixed Liquor Flow Split
 - g. Blower Building and Electrical Room
 - h. UV Disinfection expansion

- i. Effluent Pump Station modifications
- j. Utility Water system upgrades
- k. Backup Generator
- l. MCC Upgrades
- m. Utilities
- n. Site Work
- o. SCADA

3. Work Sequencing:

- a. Construction to take place while plant is active with shutdowns planned and coordinated with City staff.
- b. In Sequence
- c. Out of Sequence
- d. Startup and Commissioning

4. Project Milestones – Tentative:

- a. Begin Long Lead Equipment Procurement: ASAP
- b. Begin Plant Transfer: Fall 2025
- c. Begin Plant Commissioning: Early 2026
- d. Substantial Completion: July 1, 2026
- e. Final Completion: August 1, 2026
- f. SRF Funding Deadline: September 1, 2026

C. **Schedule B – Biosolids Dryer:**

- 1. Goal: Install, start-up, and commission biosolids dryer prior to City's funding deadline while adhering to funding agency requirements.
- 2. Project Scope of Work:
 - a. Owner supplied equipment: Dryer with accessories, Boiler, and Odor Scrubber
 - b. Demo existing cake conveyor and asphalt
 - c. Install new underground utilities/process piping
 - d. Place reinforced concrete slabs for Dryer, Boiler, and Odor Scrubber
 - e. Install Dryer, conveyors, Boiler, and Odor Scrubber
 - f. Install ventilation in existing dewatering room
- 3. Work Sequencing:
 - a. Dewatering process shutdown, conveyor demo, and remove remaining solids from the storage area
 - b. Sawcut existing asphalt, excavate, and lay underground piping
 - c. Construct reinforced concrete slabs for equipment
 - d. Install Dryer (reactor and air handling skids)
 - e. Install conveyors, Boiler, and Odor Scrubber
 - f. Install ventilation
 - g. Startup and Commissioning

4. Project Milestones – Tentative
 - a. Cake solids moved out of work area: TBD
 - b. Substantial Completion: November 1, 2024
 - c. Final Completion: December 1, 2024
 - d. ARPA Funding Deadline: December 31, 2024
- D. Project Funding & Requirements
 1. Clean Water State Revolving Fund (SRF) loan (Schedule A)
 - a. American Iron and Steel requirements
 - b. 11 Forms to be filled out and submitted with bids
 - c. All funds must be drawn by deadline (September 1, 2026)
 2. ARPA grant (Schedule B)
 - a. Must follow SRF requirements
 - b. All other requirements covered by the Public Works Contract in section 3.10
 - c. All funds must be drawn by deadline (December 31, 2024)
- E. Bidding Process and Anticipated Schedule:

1. Advertise Invitation to Bid	April 19, 2024
2. Pre-Bid Meeting	April 30, 2024, 10:00 AM
3. Bid Question Submission Deadline	May 10, 2024, 5:00 PM
4. Addenda Issuance Deadline	May 15, 2024, 5:00 PM
5. Bid Opening	Thursday, May 23, 2024, 2:00 PM
6. First-Tier Subcontractor Disclosure Deadline	Thursday, May 23, 2024, 4:00 PM
7. Evaluation of Bids Complete	May 26, 2024
8. Notice of Intent to Award	May 27, 2024
9. Award Protest Deadline	June 3, 2024, 5:00 PM
10. Notice of Award	June 4, 2024
- F. Project Construction Schedule:
 1. Substantial Completion Schedule A: 7/1/2026
 2. Final Completion Schedule A: 8/1/2026
 3. Substantial Completion Schedule B: 11/1/2024
 4. Final Completion Schedule B: 12/1/2024
 5. Liquidated damages: \$1,500 per calendar day for each Schedule not completed by the required dates.
- G. Permitting:
 1. NPDES 1200-C permit from DEQ by Contractor for stormwater discharge.
 2. City of Scappoose/Columbia County building and trade permits by Contractor.

- H. Questions
- I. Site Visit
 - 1. Active Treatment Facility
 - a. IPS
 - b. Lagoon area
 - c. UV Disinfection area
 - d. UW area and EPS
 - e. Cake solids storage area
 - 2. Site Utilities
 - 3. Access Points/Construction Entrances
- 3. Adjourn



MANDATORY PRE-BID MEETING ATTENDEES LIST

City of Scappoose, OR
WWTP Improvements
April 30, 2024; 10:00 AM
34485 E Columbia Ave. Scappoose, OR 97056

PLEASE PRINT LEGIBLY

No.	Name/Organization	Address	Phone/Cell	Email
1	Rotschy Inc. CASEY DANFORTH	7408 NE 113TH AVE VANCOUVER, WA	360.334.3100	ESTIMATOR@ROTSCHYINC.COM
2	ORR INC DAWN TOWL	PO BOX 1228 TURBOUR OR 97392	5037431000	bids@orrinc.us
3	J.W. Fowler Co. Jake Boehake	12775 Westview Dr. Dallas, OR 97338	503-623- 5573337	estimating@jwfowler.com
4	RG Excavating Inc Prospect Const Inc	39800 Montgomery Dr. Ste 00 116 23rd St. E. Puyallup Wa	5033942190 253-293-9008	bids@RGExcavating.com dmccann@prospectconst.com
5	TEAM ELECTRIC	9400 SE CLACKAMAS RD CLACKAMAS, OR 97015	503-956-7051	DAVYM@TEAMELECTRIC.CO
6	ARTIS CONSTRUCTION	3330 NW YEON AVE. #200 PORTLAND OR 97210	971.413.0706 5035770955	BMCCLOY@ARTISBUILDS.COM PKESSI@ARTISBUILDS.COM
7	Peak Electric Group Jerry Larson	50425 Columbia River Hwy Scappoose OR 97056	503-397-7818 503-577-4311	JerryL@peakelectricgroup.com Josh@peakelectricgroup.com
8	MJ Hughes Const. / Joe Sussman	11510 NE 97th Ave Vancouver 98663	360-314-2024	bids@mjhughes.com
9	John Herbst Ferguson Waterworks	9129 NW Kendall Ave Portland OR	360-504-3708	John.Herbst@Ferguson.com
10	MARIO LIPARI 2KG CONTRACTORS	4917 NE 185th DR. PORTLAND, OR 97230	5034892020	BIDS@2KGCONTRACTORS.COM



MANDATORY PRE-BID MEETING ATTENDEES LIST

City of Scappoose, OR
WWTP Improvements
April 30, 2024; 10:00 AM
34485 E Columbia Ave. Scappoose, OR 97056

PLEASE PRINT LEGIBLY

No.	Name/Organization	Address	Phone/Cell	Email
1	Michael Dost McClure & Sons-	15714 Country Club Dr. Mill Creek, WA 98012	503-780-2899 425-225-2057	bids@mcclure andsons.com
2	SHANE MOODY STELLAR J CORP	1363 DOWN RIVER DR WOODLAND, WA 98674	P: 360-225-7996 C: 360-768-8422	bids@stellarj.com
3	US West Electric		C: 541 671 6445	Jeremy@uswestcorp.com
4	Chuck Howard United Rentals FLIND	6400 SE 101ST AV PORT 97266	503.440.4497	chowd@UR.com
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Bidder Q&A Log

Date: May 3, 2024
Project: City of Scappoose, WWTP Improvements

RE: Bidder Questions - Addendum #3

The following are the summary responses to the bidder questions received and ready for response at the time of issuance of Addendum #3.

Not all questions submitted have responses ready at this time but will be addressed in accordance with contract and bid requirements and schedule.

Bidder Questions and Responses

Count	Date Received	Question	Question from	Response
1	4/26/2024	46 51 21: Where are these diffusers? EDI believes they are located in the anoxic zones, but how much air should be provided to each Anoxic Zone?	TEC	These are located on the head end of the Anoxic zone. They are solely intended to allow operators the option to add oxygen to the anoxic zone should process upsets require it.
2	4/26/2024	1.1.A This states that the diffusers must be coarse bubble and ceramic. EDI only has fine bubble ceramic diffusers OR coarse bubble diffusers.	TEC	The diffusers shall be welded stainless steel. Section updated per Addendum 3.
3	4/26/2024	2.1.B.3 This states that the diffuser should have/be a check valve. SS coarse bubble diffusers do not have a check valve.	TEC	Coarse bubble diffuser shall not require an integrated check valve. Section updated per Addendum 3.
4	4/26/2024	2.1.H items 3 and 4- This section requires 2 different types of anchor bolts. EDI can design the system with either type of anchor bolt. EDI recommends expansion type anchor bolts for this application.	TEC	Manufacturer may use either anchor bolt system that is specified.
5	4/26/2024	46 51 33: 2.1.B.2 What is the split of the SOTR load per zone at each of the different conditions?	TEC	Section 46 51 33 2.1 B.1 is updated per Addendum 3 to include the minimum and maximum air demand in each zone.

6	4/26/2024	2.1.C.1.a This section requires 2D finish. EDI complies with the listed ASTM standards but after the full immersion passivation of the completed spool piece the surface is a No. 1 finish. 2D and No. 1 finish are very similar but 2D requires cold rolling while No. 1 finish is hot rolled. The No. 1 finish described above is the typical finish provided by EDI's stainless steel supplier, who is widely used in the wastewater industry.	TEC	A No. 1 finish is acceptable.
7	4/26/2024	2.1.C.3.b and 2.1.D.2.a, 2.1.D.3, 2.1.D.3.d Please allow 3" air distributors. EDI manufactures diffuser lateral piping in 3" or 4" based on appropriate sizing for airflow based on headloss and airflow velocity. Specifying a specific size does not allow for optimum pipe sizing for the aeration system. Please allow for proper sizing of lateral piping based on air flow velocity limits provided by Metcalf and Eddy third edition (1-3" diameter pipe velocity between 1,200-1,800 fpm, 4-10" diameter pipe velocity between 1,800-3,000 fpm).	TEC	Manufacturers may submit their desired grid design including air distributor and lateral sizing for approval during the submittal phase.
8	4/26/2024	2.1.C.3.d Consider changing TiO2 requirement to 1.5% average. The Plastic Pipe Institute recommends between 0.5-3% TiO2 addition. Commercially available pipe typically contains between 0.5-3% TiO2. 2% TiO2 requires manufacturers and end users to procure custom pipe for limited justifiable benefit. EDI recommended range allows for replacement/repair pipes to be purchased at local hardware stores and not sourced through the specific aeration supplier.	TEC	The stated range for TiO2 is acceptable. Section updated per Addendum 3.

9	4/26/2024	2.1.C.4.d EDI believes this should state 'limit the maximum tensile stress', not 'limit the maximum tensile strength'.	TEC	Correct. Section updated per Addendum 3 to address this question.
10	4/26/2024	2.1.D.3.a EDI utilizes a mechanical diffuser connection that do not require solvent welding. The EDI diffuser is provided fully factory assembled and is installed onto a pre-drilled outlet hole on the lateral in the field. This mechanical saddle connection allows for a faster installation and a stronger connection. Please allow a mechanical saddle connection which is installed in the field.	TEC	A mechanical diffuser connection is acceptable.
11	4/23/2024	From a technical side my only concerns would be the head loss being called out at 3.5ft. Do we know how the water is being managed? If the max USWL is 3.85 ft and we can have 3.5ft of head loss that only leaves a few inches of water behind the screen. If that happens debris is going to be pulled through the screen. I wouldn't recommend this head loss.	JB I	Specification 46 21 13, paragraph 2.3 A, requires the screening equipment to be able to withstand a load of up to 3.5 ft of water differential without deforming or being damaged. That is not the normal operating head for this screen.
12	4/30/2024	Section 03300 & Structural Drawings, What would be the minimum vertical control joint requirement for the aeration slab? What is the maximum length of wall we can pour at one time without a control joint? What is lineal foot of the control joints in a wall?	R&G Excavating	Maximum spacing for construction joints in the walls and slab are to be 22'. They should be aligned so the waterstops are continuous. For the slab, there should be no parallel construction joint within 8' of the inside face of the walls.
13	4/30/2024	Are the supports for the biosolids dryer conveyors included with the owner supplied equipment?	Pre-bid Meeting	No, contractor to provide supports and framing.
14	4/30/2024	Is there an overall building permit required and is it the contractor's responsibility?	Pre-bid Meeting	Yes, contractor to secure all county and trade permits and pay fees.

15	4/30/2024	Are the concrete pads in the old aeration basin to be demolished?	Pre-bid Meeting	Yes. There are three circular concrete pads for the old mixers that are to be demolished. Each pad is approximately 12-ft in diameter and 1-ft thick.
16	4/25/2024	Fontaine-Aquanox hydraulic gate prequal request.	TEC	Per Invitation to Bid Documents Section 2.1 paragraph 9, substitutions will not be considered until after the effective date of the agreement.
17	5/1/2024	YSI prequal inquiry.	Correct Equipment	Per Invitation to Bid Documents Section 2.1 paragraph 9, substitutions will not be considered until after the effective date of the agreement.
18	5/1/2024	Are there any drawings for the Chemical Building? Structural? Architectural? Sheet C001 indicates this as a new building. Also, the door schedule does not show the double door that is called out on sheet M231.	R&G Excavating	The chemical building is intended to be a prefab FRP building. No architectural details are included. This structure, including accessories, is specified in Section 13 34 23.
19	5/1/2024	Sheet M311 shows a 3" water cannon and notes see detail XX, m00X Can you provide clarification on detail?	R&G Excavating	No water cannons are included as part of this project. Drawing notation is updated per Addendum 3.
20	5/1/2024	Sheet M312 IMLR pump 1 is indicated, twice. Tag No.'s PMP-315 and PMP-316. Are these the same pump or are there 2 pumps?	R&G Excavating	There are two IMLR pumps. Drawing notation is updated per Addendum 3.
21	5/1/2024	Sheet M711, there is a call-out for a tablet Chlorinator per technical Specifications 40 XX XX. Do you have this missing info?	R&G Excavating	Tablet chlorinator specification can be found in section 46 41 45 of the technical specifications. Drawing notation is updated per Addendum 3.
22	5/1/2024	Sheet M711 refers to Sheet M166 for UW Pump proposed work I don't appear to have this sheet, can you provide that?	R&G Excavating	No reference to M-166 on sheet M-711. However, Addendum 3, Item 9. E. may answer the intent of this question.
23	5/1/2024	In addendum 1, you issued general conditions. Do you have supplementary conditions to follow? Page 23 of 74, para 6.02 a refers to supplementary conditions.	R&G Excavating	Supplementary Conditions are not included in the Contract Documents. Regarding insurance requirements, per Invitation to Bid Documents Section 3.1 paragraph 3, the Agreement takes precedence over

		Also, the insurance requirements in the GCs don't match the requirements noted in the agreement form.		the General Conditions. Note that the General Conditions were added via Addendum #1 on 4/26/24.
24	4/18/2024	Is it possible to get an estimate for this project? It would be for bonding purposes.	R&G Excavating	The estimate is \$12.5 million.
25	5/3/2024	1. The project requires USA Melt & Manufacture – AIS requirements and Seamless stainless-steel pipe. However, you cannot get USA Melt/Manufacture – AIS, seamless stainless-steel pipe. Just wondering what you would like us to provide. The options are: a. USA melt and manufacture – Welded pipe. b. Or Import – Seamless pipe.	McClure & Sons	Welded pipe is an acceptable alternate to the seamless pipe referenced in Section 40 05 13.19.
26	5/2/2024	46 23 27 1.1.B: Please confirm this is AI&S and not the more stringent BABA requirement.	TEC	Correct. CWSRF funding requires compliance with the American Iron and Steel (AIS) requirements of P.L. 113-76, Consolidated Appropriations Act, 2014. See Part 4.3 American Iron and Steel Requirement in the Invitation to Bid Documents. The Build America, Buy America (BABA) Act does not apply to this project.
27		2.2.B.1: This section references 17.6 ft of TDH. Drawing G-005 indicates 13.75 ft of TDH. Which are we to bid to?	TEC	The grit pump will need to pump 250 gpm @ 13.75 ft TDH. Section updated per Addendum 3.

Date Prepared: May 3, 2024

By: Austin Rambin & Patrick Davis