



ADDENDUM NO. 2
for
MSWRF Gates Replacement
Project Number 18-0047-UT

DATE: April 18, 2022

SUBJECT: Addendum No. 2

TO: Prospective Bidders and Other Concerned Parties

Bidders on the above project are hereby notified that the following Addenda are made to the Contract Documents:

Contractor Submitted Questions

1. The Pre-Bid Agenda (No. 18-0047-UT) Revision, No. 6 Bid Tabulation Sheet states to use the Excel version of the Bid Tab to calculate the proposal total, and once completed, print and include the Bid Tab with our bid package. Pricing is unpredictable, especially on bid day, and it may be difficult to complete this form and have it printed out in time to include with our bid package. Is it possible for us to provide a flash drive including the Bid Tab Excel file with our bid package, and then provide the printed copy of the Bid Tab within 24 hours after bid time? Please confirm if this is acceptable.

Response:

All documents pertaining to this bid shall be submitted at or before the time and place indicated in the advertisement. No items received after this time will be accepted. Because pricing is read at the public bid opening, a hard copy of the bid pricing sheet is required.

2. Section 15062-2.07.B states the lining for the ductile iron pipe is to be cement mortar lined for all piping downstream of the primary clarifier splitter box and ceramic epoxy lined if upstream from the primary clarifier splitter box. Note 4 on Drawing G-00-05 states that the primary tanks were replaced with the Salsnes Filters installed in 2012. Please confirm the lining of the pipe to be used.

Response:

Buried Ductile Iron Pipe (DIP) used for the aeration basin drainage piping shown on Sheet M-00-03 shall be coated per 15062 2.06. Above ground DIP and submerged DIP used for the aeration basin drainage piping shall be coated per the new Section 15062 2.06.C added below. All DIP used for aeration basin drainage piping shall be epoxy lined per Section 2.07 B, as modified below.



See the following modifications to the Contract Documents:

A. Add Spec Section 15062 2.06 C :

“Coating of above-ground DIP shall be per Specification Section 09900 3.05 Coating System EU-1, colored safety green per City Specification Section IV. Coating of the submerged DIP within the aeration basins shall be per Specification Section 09900 3.05 Coating System E-2.”

B. Remove Spec Section 15062 2.07 B and replace with:

~~“1. CEMENT MORTAR LINING: for all piping downstream of the Primary Clarifier Splitter Box, interior surfaces of pipe and fittings shall be cement mortar lined in accordance with AWWA C104. Cement shall be ASTM C150, Type II or V, low alkali, containing less than 0.60 alkalies.~~

~~1. 2. EPOXY LINING: For all drainage piping upstream downstream of the Primary Clarifier Splitter Box, ductile iron pipe and fittings shall be lined with a ceramic-filled amine-cured epoxy, Protecto 401 by Induron. The lining thickness shall be 40 mils minimum. Application shall be performed by an applicator approved by the coating manufacturer, in accordance with manufacturer's instructions and under controlled conditions at the applicator's shop or the pipe manufacturer's plant. Applicator shall submit a certified affidavit of compliance with manufacturer's instructions and requirements specified herein.”~~

3. Specification Section 01014 - Work Sequence is listed in the Table of Contents of Section VIa, but it is not provided in the document. Please provide Specification Section 01014 - Work Sequence.

Response:

Specification Section 01014 - Work Sequence, has been included in this Addendum as Attachment 1.

4. The Contract Specifications do not reference a wage determination for the project. Please provide the wages that will be used for this project.

Response:

There is no wage determination for the project.

5. The Contract Specifications do not state requirements for the Engineer's or Contractor's field offices. Please confirm that there is no requirement for these offices.

Response:

Confirmed, there are no requirements for a field office.



6. The Contract Specifications include Coating Systems, Section 09900. The project plans do not include drawings or notes addressing coatings to be applied after concrete repair or anywhere else. Please advise as to what areas need to receive coating systems.

Response:

Section 09900 is included to specify the above ground ductile iron pipe (DIP) coating system. No other coating systems are anticipated for this project.

7. Spec Section 01010 1.04.B states a normal operating schedule as a "regular 40-hour work week." It is assumed that this references a 5 day, 8 hour schedule. Please confirm if the Contractor can work a 5 day, 10 hour schedule.

Response:

A 5-day, 10-hour schedule is acceptable.

8. Specification Section 01250 3.09.2 reads, "Payment of the unit price bid shall be made based on the cubic yards of grit removed, decanted, and deposited in an on-site City-Owned receptacle to be coordinated during the pre-construction meeting. Costs include all labor and materials associated with removing accumulated grit, decanting the grit to remove excess water, and delivery to an on-site City-Owned receptacle." The Contract Drawings and Specifications do not reference where the grit is to be decanted? Can the grit be decanted on-site? Please confirm if the grit can be decanted in the City-Owned receptacle. Please confirm that the excess water removed from the grit during decanting can be disposed back into the system on-site. If not, please confirm where this excess water can be disposed. Please provide the location of the City-Owned receptacle. Please provide information on the size of the City-Owned receptacle.

Response:

The grit can be decanted on-site but the contractor will be responsible for decanting the grit with their own equipment. The excess water removed from the grit can be sent back through the plant through either the headworks or the gravity sewer manhole upstream of the headworks. The City roll-off for grit is located just inside the southwest entrance gate or at the headworks building, usually outside just north of the building.

9. Specification Section V, Bidder's Proposal, Item No. 9 Grit Removal, has a quantity of 630 CY. How is this 630 CY of grit measured for the bid item quantity. Is this the quantity of wet grit or dry grit? Please confirm.

Response:

The quantity was calculated based on the assumption that wet grit may be accumulated in the bottom 1ft of each basin. The 630 CY quantity is 1ft depth times the surface area of all the basins combined.



10. The grit and excess water that is removed from the basins is assumed to be classified as hazardous waste. Please confirm that the Owner is the generator of this waste and will provide and pay for any manifests needed for its disposal.

Response:

The grit is not expected to be considered hazardous waste. The Contractor is only responsible for the decanting and disposal as required by the Contract Docs, and response #8 above.

11. Specification Section 11220, 3.04.B states the Strength Testing of Pipe Supports. Will any of the existing pipe supports be tested? If so, please confirm the number of supports to be tested?

Response:

Section 11220 3.04.B requires new supports to be tested, no existing supports will need to be tested.

See the following modifications to the Contract Documents:

A. Revise Spec Section 11220 3.04.B.1 as follows:

“Upon replacement of the supports and prior to installation of the piping, test **five (5) minimum ten percent** supports of each type.”

12. Specification Section 11220, 3.04.C states the Test for Anti-Rotation of Distribution Headers. Will any of the existing pipe header be tested? If so, please confirm the number of joints to be tested?

Response:

Remove Section 11220 3.04.C from the Specifications. This test will not be required.

13. Specification Section 11220, 3.04.D states the Leakage Test. Will any of the existing diffuser grid be tested? If so, could you quantify the number of joints to be tested?

Response:

The leakage testing required by Section 11220 3.04.D will be completed for the entire grid. All of the diffusers should be able to be observed at the same time during this test.

14. Specification Section 11220, 3.04.F states the Uniform Air Distribution Test. Please confirm which Bid Item on the Bidder's Proposal this is for.

Response:

Uniform Air Distribution Tests can be included in Bid Item No. 6 MEMBRANE DISC DIFFUSER REPLACEMENT.



15. Specification Section 11220, 3.04.G states the Mixing Test. Please confirm which Bid Item on the Bidder's Proposal this is for.

Response:

Remove Section 11220 3.04.C from the Specifications. This test will not be required.

16. Specification Section 11220, 3.05.A states, "A factory trained representative shall be provided for installation supervision, start-up and test services and operation and maintenance personnel services. The representative shall make a site visit to verify the completed repairs." The number of days for this representative to be onsite is unknown due to the project having multiple phases that are dependent on the quantity of piping, supports and diffusers for each phase. Please provide an estimated number of days you think is required for this item. Could this be an allowance item? Please confirm.

Response:

The estimated number of days required for this item is six (6) total days. Include this effort in Bid Item #6 Membrane Disc Diffuser Replacement.

17. Specification Section 01250, Part 3, 3.01-3.11 lists the Measurement and Payment for Bid Items 1-11. The individual specification sections may contain work beyond what is listed in these Measurements and Payments. Please confirm that Specification Section 01250, Part 3, 3.01-3.11 takes precedent over the individual specification sections.

Response:

The work included in the Contract is shown on the Plans and outlined in the Specifications. The Measurement and Payment Specification details how the work is to be measured and paid for under the Contract. Exclusion of any part of the work from the Measurement and Payment section does not preclude the Contractor from performing the work as shown on the Contract Documents. Please reference Specification Section 01250 1.01.E for this provision.

18. Contract Drawing M-00-01 notes to "Temporarily Remove and Replace Flow Splitters as Needed". A Record Drawing for Marshall Street Advanced Pollution Control Facility, File No. 12825 shows details of these flow splitters, but it is not clear as to why the flow splitters need to be removed and replaced. Do the flow splitters need to be removed in order to remove the existing slide gates? Please confirm.

Response:

Removal of the flow splitters for the replacement of the gates is not anticipated to be required. However, the flow splitters could be removed by the Contractor to make room for a coffer dam to be installed upstream of the gates to decrease the bypass pumping duration.



19. Section III - General Conditions, 11.3 Unit Price Work states, "The Owner or Contractor may make a claim for an adjustment in the Contract Price if: (i) the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Contract Documents; and (ii) there is no corresponding adjustment with respect to any other item of Work; and (iii) if Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or the Owner believes that the Owner is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease." What percent over or under the estimated Bid Item's quantity will the Contractor be compensated for extra work or a reduction of work? Please confirm.

Response:

This is a unit cost, bid item job. Any over or under is determined by the unit cost.

20. Contract Drawing M-00-01, Note 7, states that the City will allow for the dewatering of the grit onsite prior to hauling. Specification Section 01250, 3.09-2 states that the Contractor shall include cost for delivery to an onsite City-Owner receptacle. Is the contractor responsible for hauling the grit offsite, or just depositing it in the City-Owned receptacle onsite? Please confirm.

Response:

Contractor is responsible for removing, decanting, and depositing the grit in an on-site City-Owned receptacle per Specification Section 01250.

21. Please provide the as-builts or submittals for the existing slide gates and flow splitters so we may determine existing anchor locations to appropriately estimate the work required for their removal.

Response:

Per Engineer Response for Contractor Question No. 18 above, the flow splitter details with anchor details are shown on Page 603 of 631 of the Technical Specifications. The anchor details of the existing slide gates are shown on Page 604 of 631. The gates are shown on the Record Drawings to be embedded. However, when one of the tanks was drained during design, the gates were observed to have been installed flush mounted. Photos from this event are provided in this Addendum in Attachment 2. We do not have additional information that would indicate that the other basins are different than the tank drained during design.

22. The 356 SY Construction Laydown Area shown on Contract Drawing G-00-06 takes up a portion of the plant parking in that area. Please confirm that this is a designated



laydown for the Contractor and there will be no parking or interruption by plant trucks or equipment in this area during the project.

Response:

Confirmed.

23. Specification Section 11220, 3.04.A.5 states, "CONTRACTOR shall coordinate with OWNER to fill and drain the aeration tanks and for hosing down as required. Water for filling and hosing down the tanks shall be provided by OWNER." It is unclear from this statement who is exactly responsible for draining the tanks. Does this mean the Contractor will coordinate with the Owner, who is the responsible party draining the tanks, or does the Contractor take responsibility for draining the tanks? Please confirm.

Response:

The Contractor is responsible for draining the tanks.

24. Please reference the Bypassing Concept in Appendix B of the Specifications. In order to block off channels in Conceptual Bypassing Layouts Phases 1-3, an initial bypass of aeration basins 4-13 may need to occur. This bypass layout would start at aeration basins 1-3 and bypass to the second anoxic tanks. Please confirm if a temporary bypass of aeration basin 4-13 will be allowed.

Response:

No, a minimum of 4 basins must remain online at all times.

25. How will the City measure the amount of grit removed in order to make payment to the Contractor? Please advise as to how the City will determine measurement of the removed grit in order to make payment to the Contractor?

Response:

Measurement of grit will be determined by volume. Once the tank is dewatered, the Contractor along with construction inspector will agree on the observable depth of accumulated grit and derive a wet volume from this agreed upon calculation.

26. General Conditions, Section 5.2.6 states that the Owner will be responsible for purchasing and maintaining an "All Risk" Builder's Risk policy but very few details are provided about the limits, sublimits, deductibles and coverage extensions. It is not equitable to give the Contractor the financial risk of loss for loss or damage to the work without full transparency of the builder's risk coverage provided to protect Contractor from such risk. Please provide the policy limit, applicable deductibles, all sublimits, including but not limited to flood, earthquake, LEG 3, off-site storage, in-transit, extra expense, debris removal, pollution cleanup, and contractors continuing expenses.



Response:

Since there is no building construction as part of the project scope, there will be no builder's risk insurance provided.

27. General Conditions, Section 6.12 states Contractor is responsible for any loss or damage to the Work however caused yet Owner is responsible for purchasing and maintaining Builders All Risk Insurance. Very few details are provided about the limits, sub-limits, and coverage extensions to be provided by Owner's policy. It is not equitable to give the Contractor the financial risk of loss for loss or damage to the Work for which it is not able to insure. Please revise to the following: "The Contractor shall rebuild, repair, and make good, at his own expense, all injuries or damages to any portion of the Work occasioned by any cause before its completion and final acceptance by the Owner. Notwithstanding the first \$25,000 (or other amount mutually agreeable to you and the Owner), Contractor's total liability for loss of or damage to the work shall be limited to the recoveries from the owner-provided Builders' Risk policy . . ."

Response:

Since there is no building construction as part of the project scope, there will be no builder's risk insurance provided.

28. Section IV, Technical Specifications, 405-6.3.3(3) states a 10-year Contractor warranty must be provided on coating system. Sureties will not agree to provide bonding for contractors in excess of 5 years that are not clearly designated to be manufacturer or supplier warranties. Naturally, Contractor will assign all manufacturer and supplier warranties to Owner. Our bid price contemplates a 5 year construction / workmanship warranty on the coating systems and a 10 year manufacturer warranty from the manufacturer or supplier.

Response:

A 10-year contractor warranty must be provided on the construction/workmanship and the material/hardware.

29. Please reference Contract Drawing M-00-01. The existing gravity drain piping and fittings on the east side of the aeration basins are shown to be demolished, but neither the Contract or Record Drawings show where that line is routed from or routed to. Please provide As-Built drawings for this line to show where it starts and ends.

Response:

See Attachment 3 for a figure that consolidates record drawing information for the existing gravity drain piping. At the northern end, the pipe terminates at Aeration Basin 1 in the Northwest corner of the structure. The piping to the south used to go to the dewatering pump, but the dewatering pump is no longer in service. We do not have reliable record drawing information documenting any changes to the drainage piping



to the south after the 2012 Salsnes Filter project other than the cap shown in blue near the Salsnes Filters. The limits of the drainage pipe demolition are shown on Sheet M-00-01.

30. In the Public Notice Invitation to Bid on the last page under the section Bid Opening Procedures, it reads Bids will be received until March 30th, 2022 at 2 p.m. (EST). On the second page it reads Bids Due April 27th, 2022 at 2 p.m. Please confirm Bids are due on April 27th.

Response:

Confirmed the bids are due on April 27th, 2022 at 2pm.

31. Please provide the as-builts or submittals for the existing weir gates in aeration basins 6-13.

Response:

Record Drawings provided in Appendix of Technical Specifications page 602 of 631.

32. Section III – General Conditions Article 6.12 states, “the Contractor shall remedy any defects in the work at his own expense and pay for any damage to other work resulting therefrom which appear within a period of one year from the date of final acceptance.” This appears to conflict with the warranty term, GC 13.5, which requires correction within one year of Substantial Completion. Please clarify if the warranty period will begin at final acceptance or substantial completion.

Response:

The warranty period will begin at final acceptance.

END OF ADDENDUM #2

Attachment A: Section 01014 Work Sequence

SECTION 01014

WORK SEQUENCE

PART 1 - GENERAL

1.01 CONTINUITY OF PLANT OPERATIONS

- A. The existing Marshall St. WRF is currently and continuously receiving and treating wastewater, and those functions shall not be interrupted except as specified herein. The Contractor shall coordinate the work with the Owner and Engineer to avoid any interference with normal operation of plant equipment and processes.
- B. The Contractor shall take all precautionary measures necessary to protect existing equipment that is not designated to be demolished. All existing equipment and/or facilities damaged by the Contractor shall be expeditiously repaired at the expense of the Contractor without additional compensation.

1.02 BYPASSING

- A. Bypass pumping of wastewater flows shall be directed from and routed to only those locations approved in writing by the Owner and Engineer. Bypass pumping shall be performed in accordance with Section 02145.
- B. Bypassing of untreated or partially treated wastewater to surface waters or drainage courses is prohibited during construction. In the event accidental bypassing to surface waters or drainage courses is caused by the Contractor's operations, the Owner shall immediately be entitled to employ others to stop the bypassing without giving written notice to the Contractor.

1.03 SUBMITTAL

- A. In accordance with Section 01300, the Contractor shall submit a detailed outage plan and time schedule for operations, which will make it necessary to remove a tank, pipeline, channel, electrical circuit, equipment, or structure from service. The schedule shall be coordinated with the construction schedule specified in Section 01310 and shall meet the restrictions and conditions specified in this section. The detailed plan shall describe the Contractor's method for preventing bypassing of other treatment units, the length of time required to complete said operation, and the necessary equipment that the Contractor shall provide in order to prevent bypassing of associated treatment units.

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- B. In accordance with Section 01300, the Contractor shall submit a detailed bypassing plan, which will outline the proposed sequence of operations that the Contractor will employ to set up bypassing operations and limit the operational impacts to the WRF. The plan shall be coordinated with the construction schedule specified in Section 01310 and shall meet the restrictions and conditions specified in this section. The detailed plan shall describe the Contractor's method for establishing the bypassing operation, the length of time required to complete said operation, and the necessary equipment that the Contractor shall provide to establish the required bypassing operation. Conceptual bypassing information has been included in the Appendix of these specifications for the Contractor's reference.
- C. The Contractor shall observe the following restrictions:
 - 1. Systems or individual equipment items that are to be taken offline shall be isolated, dewatered, decommissioned, deenergized, or depressurized in accordance with the detailed outage plan and schedule.
 - 2. The Owner and Engineer shall be notified in writing at least one week in advance of planned outage and/or bypass operations.

1.04 SEQUENCE AND SCHEDULE OF CONSTRUCTION

- A. The Contractor shall not remove more than four (4) Aeration Basins from service at a time.
- B. The Project Sequencing Plan shall include:
 - 1. Detailed description of the Contractor's methods and sequencing of operations and work,
 - 2. Length of time required to complete each individual operation,
 - 3. Equipment that the Contractor shall utilize,
 - 4. Resources that are required from the Owner,
 - 5. List of deviations and/or exceptions from the sequence and schedule presented in the Contract Documents along with a detailed explanation for why the deviation is required and/or justified.

END OF SECTION

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Attachment B: Existing Slide Gate Photos

Looking down on the west side of aeration basin gate. West is up on the photo.





Attachment C: Existing Drainage Piping Layout

