

**Addendum No. 3
to the Bidding Documents
Brush Reservoir Dam Improvements
Issued April 11, 2024**

Under the provisions of Article 7 of Section 00100, Instructions to Bidders, Bidders are informed that the Bidding Documents for the above-mentioned Project are modified, corrected, and/or supplemented as follows. Addendum No. 3 becomes part of the Bidding Documents and Contract Documents.

Acknowledge receipt of this addendum on the Bid Form. Failure to acknowledge receipt of the Addendum may subject the Bidder to disqualification.

Project Manual Changes

Item 3-1 Section 00800 – Supplementary Conditions

Delete the text in Article 5 – Bonds and Insurance, SC-5.01A and **Replace** with:

“Delete paragraph 5.01A in its entirety.”

Item 3-2 Section 01290 – Application and Certificate of Payment

Delete the text in Section 01290.1.4.H.1.b and **Replace** with:

“This item includes excavation of unsuitable soil materials, organics, backfill with suitable material, compaction, and off-site disposal. This item only applies to excavation required beyond the dimensions specified in the Contract Documents.”

Delete the text in Section 01290.1.4.H.1.c in its entirety.

Delete the text in Section 01290.1.4.U.2.a and **Replace** with:

“Payment for the bid price for sediment transportation and disposal will be full compensation for all removal, transportation, and off-site disposal of sediment, and all labor, equipment, and materials required for or incidental to the work.”

Item 3-3 Section 01510 – Temporary Utilities

Add Specification Section 01510 – Temporary Utilities in its entirety after Specification Section 01451 – Independent Testing Services and before Specification Section 01520 – Construction Facilities.

Item 3-4 Section 01520 – Construction Facilities

Delete the text in Section 01520.1.3.A and **Replace** with:

Provide and maintain for the duration of the Work at a location approved by the Owner and the Engineer, a field office trailer or equivalent, for the shared use for the Resident Project Representatives. The plans and construction office shall be approved by the Engineer and shall not be less than 250 square feet.

Item 3-5 Section 01570 – Temporary Controls

Add the following after Section 01570.3.3.C:

D. Compost filter tubes and siltation fence shall be monitored daily.

Item 3-6 Section 01571 - Control of Water

Add the following sentence after Section 01571.3.4.C:

Inlets shall be protected by a grate or filter to prevent aquatic organisms from becoming entrapped.

Drawing Changes

Item 3-7 Drawing S-101, Sheet 14 of 17 – Structural Plan and Upstream Elevation

Delete callout “T/Wall El. 345.0”.

Clarifications

Item 3-8 Addendum No. 1

The Owner anticipates the Contract Time to commence on or before May 30, 2024. Bidders are to provide alternate Contract Time commencement dates and bid schedules, per the Instructions to Bidders and Bid Form in Addendum No. 1. The alternate bid commencement date must be on or after January 1, 2025.

Attachments

Specification Section 01510 – Temporary Utilities

Bidding Period Questions and Responses

1. Please reference drawings D-101 and D-102. Will the trees marked for removal be paid for using bid items 3, 4, 5, and 6? Does tree removal include stumping?

Yes, trees marked for removal will be paid using bid items 3 through 6, as applicable. Additional tree removal shall be paid using allowance item 21. Refer to specification section 01290 Application and Certificate for Payment, “this item includes tree cutting, stump removal, and backfill.”

2. Please reference bid item #7 Remove and Dispose of Unsuitable Material. 1.C. states T&D will be paid for under item 14 and not this item. 2.B states payment shall include disposal of unsuitable material. Please clarify: Will T&D of suitable material be paid for under item #20 Sediment Transportation and Disposal? Or does item #7 include T&D of unsuitable material?

Specification Section 01290.1.4 has been amended to clarify, please refer to Item 3-2, above.

Bid item 7 is for non-sediment unsuitable soil material, excavation, handling, trucking, legal off-site disposal and backfill with suitable soil. If no native suitable soil is available on site, borrow granular fill will be used and paid for under bid item 8.

Bid item 20 is for reservoir impounded sediment that may need special considerations to legally dispose of excess sediment that cannot be placed back in the work area following concrete repair work.

3. We are concerned with exposure to flash flooding. Can an item be created to account for emergency evacuation due to acts of God, rain, per occurrence to reduce the risk associated with the project?

Costs associated with response to heavy rainfall events should be paid for in the control of water work included in General Dam Improvements and Related Work (bid item 1).

Refer to Control of Water, Specification Section 01571.1.3.C.1.b, "No additional payment shall be made to the Contractor for any damages to the work caused by a flood event up to a 50-year flood; for off-site damages caused by a flood event up to the 50-year flood; or if the cofferdam fails unexpectedly during its design flood or a lesser flood."

Refer to Control of Water, Specification Section 01571.3.6 Flooding, "monitor weather and weather related events to anticipate if flood control activities are anticipated. If flooding is anticipated, suspend construction operations, remove equipment which could be damaged, and take such actions and perform such additional work as approved by the Engineer to protect the work and prepare the area for flooding."

Additionally, the Control of Water section includes submittals for a Water Control Plan and Flood Contingency Plan, which should be signed and stamped by a Professional Engineer, for review and approval.

Refer to Drawing Sheet G-003 General Notes, "Materials that are buoyant, hazardous, explosive, soluble, expansive, or otherwise injurious to human, animal, or plant life are to be stored in a designated area outside of the reservoir and all wetland areas."

4. Please reference specification 3930 2.2. After the Dam Spall repairs are performed (less than 4", greater than 4") to what depth will item 10 "Spray Applied Cementitious Repair Mortar" be required.

Refer to Concrete Repair, Specification Section 03930.3.5.E, regarding Spray Applied Cementitious Repair Mortar, "Minimum mortar thickness is 3/8". Maximum neat mortar thickness is 2".

5. Please reference specification 3930 2.3. Does the waterproof coating get applied after the "Spray Applied Cementitious Repair Mortar"?

*Refer to Drawing S-103 Structural Sections and Details -2, Repair Notes, "Spray Applied Cementitious Repair Mortar shall be applied to the full upstream face to create a uniform surface **prior to Waterproof Coating.**"*

6. Please reference bid item 19 Loam and Seed. Is this area delineated on the contract drawings or to be used to repair disturbed areas affected by the construction process.

Refer to Drawing Sheet G-003 General Notes, Site Restoration for restoration (loam and seed) directions.

Refer to Demolition, Specification Section 02220.3.7.C, "Loam and Seed all disturbed areas in accordance with Sections 02921 and 02922." These sections describe the materials and installation.

7. Can the question deadline be extended one week?

This deadline has been extended one week to April 5, 2024 at 3:00 PM.

8. If awarded, we would look to begin work on this project early summer 2024. Confirm this schedule aligns with Aquarion Waters intent and that all permits are in place to allow this.

Refer to Addendum No.1 regarding project commencement date. "The Owner anticipates the Contract Time to commence on or before May 30, 2024."

Current permits have been attached to the Project Manual. Final permit determinations shall be appended to the Project Manual.

9. Section 00800 (Supplementary Conditions) – Clarify the following:

- a. SC-5.01 – Confirm a Payment and Performance Bond is required.
- b. SC-5.06 – Confirm the Owner is providing Property Insurance on the Project and that it will be written in accordance with Section 5.06 of the General Conditions.
- c. SC-6.08A – What permanent utility fee would be appropriate for the Contractor to pay for?
- d. SC-6.10 – Is the project subject to CT Sales Tax?

a. Performance and Payment bonds are not required. See Item 3-1 above.

b. Refer to Supplementary Conditions, 00800.SC-5.05. Property damage is included under the liability insurance.

c. Permanent service is not required for this project. Temporary Utilities will be the responsibility of the contractor, see Item 3-3 above.

d. This project is tax exempt.

10. Drawing C-402 – Nonnative Invasive Species Notes

- a. Confirm control period is 5 years. *The Control Period is 5 years, see below.*
- b. Future work is naturally occurring variable – clarify how we should quantify this for bidding purposes? *See clarification below.*
- c. Can an Owner controlled allowance be provided for Invasive Treatment removal scope of work? *See clarification below.*
- d. Clarify how this 5 year period impacts Final Completion and Final Payment? *This does not impact Final Completion and Payment, see below.*

Refer to Drawing C-402 Landscape Details, Planting Guarantee Period, "Plant material shall be guaranteed for a two-year consecutive period starting at the time of planting." Additionally, the General Notes on Drawing C-102 Landscape Plan describe responsibilities during the "first two growing seasons after planting." The contractor warranty period, per the General and Supplementary Conditions, includes the above time periods and this work shall be the responsibility of the Contractor. The warranty period expires two years after achievement of Substantial Completion. After the end of the warranty period, the Owner will take over Nonnative Invasive Species Control for the duration of the Control Period specified on Drawing C-402.

11. Bid Form – Please clarify:

- a. Unit quantities of concrete are significantly different than what is shown on the structural drawings. Clarify intent?
- b. Are the listed quantities of concrete repair in addition to what is noted on Sheet S-102 or are they in lieu of?

- c. Are the balance of quantities listed in addition to what is shown on the documents, or in lieu of?

*When quantities differ in the contract documents, the **quantities on the Bid Form shall govern.***

Refer to Drawing S-101 Structural Plan and Upstream Elevation, Schedule of Quantities table. Refer to Bid Form Article 5 – Basis of Bid, Specification Section 00300, Items 10-13. Quantities and units are the same in both locations.

Intent of the Schedule of Quantities on S-101 is to relate the repairs shown on the drawings to the quantities on the Bid Form and highlight that these quantities are approximate and will need to be field verified. Additional concrete repair shall be paid using Allowance Item 23.

12. Clarify where the closest source of potable water is located?

There is no potable water onsite. The contractor shall supply their own potable water. Refer to Item 3-3 above, Temporary Utilities.

13. Due to responses/requests from our subcontractors, we are respectfully requesting that the Bid date be postponed from Monday 4.15.24 to Wednesday 4.24.24.

The bid date will be extended to Friday April 19, 2024.

14. Please reference drawings S-101 and C-101. S-101 shows excavation along the upstream face of dam. The contours on drawing C-101 do not show any elevation changes. Is the excavation limited to the area adjacent to the dam face only?

The intent is to remove sediment immediately adjacent to the dam. It is anticipated that the slope will need to be flattened to access the low-level outlet and to work on the dam face. After this access has been established, an additional one foot (1') of excavation is required to install the upstream concrete repair and waterproofing, see note on sheet S-101. This one-foot excavation will be backfilled after the waterproofing has been completed. Native soils/sediment should be used to the maximum extent practical.

15. C-101 shows an arrow on upstream side of spillway w/ note saying 'limits of Type 1 rip rap'. S-101 shows this area to be rock. Is the intent to excavate rock only to the proposed contours or is the intent to over excavate rock to then install rip rap? If the latter, to what depth is the proposed rip rap to be installed upstream of the spillway?

Rock and sediment will need to be excavated to install the spillway. The rock profile on the upstream side of the dam is unknown. Upstream grading will need to match C-101 to allow flow through the spillway. Rip rap is installed to prevent erosion and stabilize the spillway. In areas where rock is encountered, excavate to the final grade on C-101. In areas where sediment is encountered, over-excavate and place Type 1 rip rap to final grade on C-101. Install rip rap per detail 6 on C-401.

16. Please provide elevations for the top of the proposed training wall. Section C, S-102 says "Height Varies 9' max, 3.5' min. S-101 shows the top of concrete wall at end of spillway at elevation 345.0. C-101 shows the spillway proposed rock elevation at 345.0, then the height of the wall would be 0' at the end of the wall. Please clarify.

Section C on S-102, the height includes the foundation (1'-3" nominal). See Sheet C-201, the training wall shall have a slope of 2.5H:1V starting at the dam crest elevation 366 feet. Sheet S-101 has been updated, see Item 3-7.

17. Bid Item #7 Remove and Dispose of Unsuitable Material applies only to excavation required beyond dimensions specified in contract, T&D to be paid under item #20. Bid Item #20 Sediment Transportation and Disposal covers all surplus sediment that leaves the site, is this correct? So, the contractor is responsible to excavate and stockpile (for example: excavation required on downstream face of dam prior to installing rip rap) this material on site and any T&D will be paid for under this item, is this correct? So, this item covers in scope and out of scope work? Please define “sediment”, is this considered all organics and topsoil?

Specification Section 01290.1.4 has been amended to clarify, please refer to Item 3-2, above.

Bid item 7 is for non-sediment unsuitable soil material, excavation, handling, trucking, legal off-site disposal and backfill with suitable soil. If no native suitable soil is available on site, borrow granular fill will be used and paid for under bid item 8.

Bid item 20 is for reservoir impounded sediment that may need special considerations to legally dispose of excess sediment that cannot be placed back in the work area following concrete repair work.

Sediment is defined as loosely consolidated sands, silts, and organic matter deposit within the reservoir above more densely consolidated sands and gravels. Environmental quality data collected during design is appended to the Bid Documents as Appendix A. Bidders should review this screening level environmental data to inform their bid price for transportation and disposal of excess sediment generated as a result of the Work. The intention is to reinstall this sediment in the locations that it is removed in order to complete the Work, to the maximum extent practicable.

18. Please confirm that the water level will remain drawn down (20” blow off and proposed sluice gate will remain open) for the duration of the project.

Water level will be drawn down to the invert elevation, 341 feet, see sheet D-101. The existing low-level outlet will remain open while in-place. The low-level outlet will be closed during the slide gate installation and outlet extension work downstream.

END OF ADDENDUM NO. 3

J:\A\A1000 AWC\195 - Brush Reservoir Dam\Bidding\Addenda\Addendum No. 3\Addendum No. 3 - Brush Reservoir Dam Improvements.doc

SECTION 01510

TEMPORARY UTILITIES

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes
 - 1. Temporary electricity
 - 2. Temporary telephone service
 - 3. Temporary water service
 - 4. Temporary fuel oil

1.2 QUALITY ASSURANCE

- A. Maintain temporary utilities in proper and safe condition throughout the progress of the Work.

1.3 TEMPORARY ELECTRICITY

- A. Provide temporary electrical service capable of providing sufficient power throughout the site for the Work. Temporary electrical service shall include all wiring, breakers, breaker boxes, poles, supports and all other materials necessary for a totally operable system.
- B. Pay all charges for temporary electricity.
- C. Make all arrangements with the electric service company including all permits, securities and inspections fees to obtain the separately metered temporary services.
- D. Furnish and connect the temporary electric service point to the utility and coordinate metering as required.
- E. All connection points and distribution systems shall be in conformance with applicable electrical codes, OSHA, and enforcement agencies having jurisdiction.
- F. Provide a general power distribution system including all wires, cables, supports, protective devices, transformers, motor starters, etc., as required for a complete electrically protected and safe system to handle construction services.
- G. Provide all outlets with circuit breaker protection and comply with ground fault protection requirements of the NEC.

1.4 TEMPORARY TELEPHONE SERVICE

- A. Provide, maintain and pay for cellular telephone service and phone for Resident Project Representative at the time of mobilization for the duration of the Work.

1.5 TEMPORARY WATER SERVICE

- A. Temporary Drinking Water
 - 1. Provide adequate potable drinking water, so piped or transported as to keep it safe and fresh, and served from single service containers or satisfactory types of sanitary drinking stands or fountains.

2. Provide all such facilities and services in strict accordance with existing and governing health regulations.

B. Water for Construction Purposes

1. The Contractor shall provide water for construction purposes.

1.6 TEMPORARY FUEL OIL

A. Properly contain, label, and store all petroleum products off the ground with suitable secondary containment.

B. Take all necessary precautions to avoid leakage and spillage of all petroleum products, including lubricating oils.

C. In general, perform fueling and refueling of all equipment and vehicles off-site. In the event that on-site refueling is necessary and as approved by the Engineer, provide suitable secondary containment facilities to contain all potential spillage, including that resulting from over-filling.

D. Inspect vehicles for leaks prior to entrance to the Work site. Vehicles with leaks are prohibited from entering the Work site. All vehicles, while on the work site, shall be underlain with polyethylene plastic sheets. Absorbent pads must be available on site for immediate use if needed.

PART 2 PRODUCTS – NOT USED

PART 3 EXECUTION – NOT USED

END OF SECTION

<J:\A\A1000 AWC\195 - Brush Reservoir Dam\Design\Specifications\Division 1\Current\01510 - Temporary Utilities.docx>