140R4026B0001
Block 2-3 Pipeline
Updated Questions and Answers

1. Is there any BABA, AIS, Buy America, or Buy American funding involved with the project that would necessitate the steel pipe coil to be sourced domestically and the pipe to be manufactured in the United States?
    A. **As the Bureau of Reclamation is a Federal Government entity and funding for this project is obligated by Congress, all construction materials must follow requirements of Specification Section 01 61 10 - Buy American and 52.225-11 Buy American - Construction Materials Under Trade Agreements.**

2. Specification 33 11 12 - Section 2.02 A - Please add this Coil type ASTM A139 Grade C, D, or E here so manufacturer can use same material to make and pipe and fittings which will be attached to each other. ASTM A139 is already specified in Section 2.01 A.1.
    A. **Reclamation will update the specifications in Section 2.02 A to allow material as specified in 2.01 A. Updated specs provided.**

3. Specification 33 11 12 - Steel Line Pipe: Section 3.01 B.1 and Section 3.04 A.4 – Please delete the sentence "Welding joints after backfill not allowed". For 42" and 48" diameter pipe, which can easily be ID welded, not allowing the weld after backfill installation method will unnecessarily drive-up installation costs significantly by putting the welding operation in the critical path of production. Weld after backfill is routinely and successfully practiced nationwide with the use of the specific shrink sleeve type manufactured for this method. The proper Canusa shrink sleeve is the Canusa Aqua-Shield AQW-WAB System for Weld after backfill – which is a two layer system that would need to also be added to Specification Section 09 96 20 – 23
    A. **Reclamation requires that the coating at the joints be repaired prior to backfill after welding. Allowing the coating to be damaged at the joint, even if limited to the weld itself by 'weld after backfill' techniques, provides a risk for corrosion and no benefit to the government.**

4. Please identify the required insurance types and minimum coverage amounts per FAR 28.306 and 28.307-2.
    A. **The government doesn't anticipate the need for specific insurance or coverage for work on a government facility as required in FAR 28.306 (a) or (b). IAW FAR 28.307-2 contractors are required to have the following minimum coverage:**
        - **Employer's liability coverage of at least $100,000**
        - **Bodily injury liability insurance coverage of at least $500,000 per occurrence**
        - **Automobile liability insurance coverage of at least $200,000 per person and $500,000 per occurrence for bodily injury and $200,000 per occurrence for property damage.**

    This is an overview of what is required. It is strongly encouraged that contractors refer to FAR 28.307-2 for additional information and requirements regarding insurance coverage.

5. Specification Section 09 96 00, tabulation No. 7 indicates the exterior concrete tank shall receive a coat of waterproofing such as Thoroseal followed by 2 coats of a waterborne light industrial coating. Please confirm the following proposed system is acceptable per typical AWWA D110 Type III standards. The exterior dome surface shall receive one coat of a cementitious based damp-proofing product such as "Tamoseal" "or-equal," and one coat of a non-cementitious, high build, 100 percent acrylic resin polymer such as "Tammscoat Smooth" textured protective coating "or-equal." Above grade exterior wall surfaces shall receive two coats of a non-cementitious, high build, 100 percent acrylic resin polymer such as "Tammscoat Smooth" textured protective coating, "or-equal."
    A. **This is technically acceptable, from a corrosion standpoint, as an "or equal" product.**

6. Specification Section 33 16 00, Paragraph 1.04.B.1.a states the tanks shall be 35-feet tall. Please confirm wall height may be determined by the tank manufacturer provided it accommodates the overflow weir elevation plus 2 feet of freeboard as detailed on Sheet 1695-D-62483.
    A. **Maximum water surface elevation should not exceed 5462.9 elevation. Contractor to set overflow weir crest as needed as per 33 16 00 1.04 3. Updated drawing will be provided in a later amendment.**

7. Specification Section 33 16 00, Paragraph 1.04.D.10.b indicates a 3-rail system is required. However, Sheet 1695-D-62479, Section H only shows a 2-rail system. Please confirm the 3-rail full perimeter handrail is required for all tank types.
    A. **3-rail full perimeter railing is required. Updated drawing will be provided in a later amendment.**

8. Specification Section 33 16 00, Paragraph 2.02.L1 specifies the vent but does not indicate the material type. Please confirm an aluminum vent is acceptable.
    A. An aluminum vent is acceptable.

9. Specification Section 33 16 51, Paragraph 2.03.C.1 indicates removable silt stops are required. Please provide the silt stop material and how the silt stop shall be affixed to the through floor piping.
    A. Silt stops are not required and will be removed from the specifications. Updated specs will be provided in a later amendment.

10. Please provide sheet 1695-D-60809.
    A. See amended drawing package.

11. Sheet 1695-D-62472, Plan view has 2 leaders for the hatch. However, only 1 is shown for the Steel tank sections. Please confirm only 1 hatch is required for all tank types.
    A. Only one hatch is required for all tank types, located in line with the pressure transmitter. Updated drawing will be provided in a later amendment.

12. Sheet 1695-D-62473 notes a post tensioned floor. However, no other references are made in the specifications. Please confirm a standard 8-inch structural concrete floor is acceptable in accordance with Specification Section 33 16 51, Paragraph 1.04.F.1.c.2.
    A. A standard concrete reinforced floor is acceptable.

13. Per Sheet 1695-D-62479, Plan View, please confirm the 30-inch manways are required for all tank types as they are not shown with the concrete tank details.
    A. These are not required for the concrete tanks.

14. Sheet 1695-D-62479 details the overflow elevation at 5461.90 with the high water elevation at 5462.90. However, Sheet 1695-D-62483, shows the top of weir to be 5463.90. Please confirm the overflow weir elevation shall be 5461.90.
    A. Maximum water surface elevation should not exceed 5462.9 elevation. Contractor to set overflow weir crest as needed as per 33 16 00 1.04 3. Updated specs will be provided in a later amendment.

15. Sheet 1695-D-62482, Section T indicates a 6-inch drain line. Please confirm this is required on the concrete tank as well as the steel tank.
    A. **A 6-inch drain line is not required for the water storage tanks. Updated drawing will be provided in a later amendment.**

16. For the basis of bid on the ground storage tanks, a full geotechnical report is typically provided, including total settlement, differential settlement, groundwater elevation, bearing capacity, and base preparation recommendations at a minimum. Will a full geotechnical report be provided for bidding purposes, or will the total settlement, differential settlement, groundwater elevation, bearing capacity, and base preparation information be furnished separately?
    A. **Yes, a report will be forthcoming and issued in an amendment. Update specs will be provided in a later amendment**

17. Please clarify if drones/ unmanned aerial systems (UAS) are permitted on-site prior to bid submission for site recognition and documentation purposes, and whether drone operations are permitted during contract performance if awarded. If permitted, please provide any applicable restrictions, approval requirements, security procedures, insurance requirements, or flight authorization protocols that may be applicable.
    A. **This pipeline passes through Reclamation, BLM, private, State and Navajo Nation land. Each entity will likely have their own rules and regulations for operating drones/UAS. It is the responsibility of the contractor to verify that they are following all required rules and regulations, for federal, Navajo Nation, and state.**
        - **Reclamation owned land: Prior to the bid submission, review CFR 43 Part 423 Public Conduct on Bureau of Reclamation Facilities, Lands, and Waterbodies, section 41 Aircraft for guidance on using drones/UAS. After award, contractors may utilize drones when assisting to provide end products. Reclamation cannot take operational control at any point.**
        - **Navajo Nation owned land: The contractor is required to obtain a permit. Contractors must coordinate with the Navajo Nation to obtain this permit.**
        - **Public land: It is the responsibility of the contractor to determine what applicable regulations govern the use of drones/UAS on public land.**
        - **BLM owned land: Contractors must coordinate with the BLM.**
        - **State of New Mexico owned land, contractors must coordinate with the State of New Mexico.**

18. Specification 01 51 00 Temporary Utilities indicates 5 water utility owners for potential sourcing for the pipeline test water. Where would the exact sources for water be for each of these entities?
    A. **Contact utility owners directly for potential source locations.**

19. On sheets 2 and 3 of the plan and profile sheets there is a waterline shown to parallel the proposed 48" reach 2 segment. Who owns this waterline and is it currently conveying potable water? Is this a possible potable water source?
    A. **BOR assumes that this question is about the existing Reach 1 pipeline that is used to convey raw water from the San Juan River to fill the Frank Chee Willetto Reservoir. This pipeline is owned by Reclamation for the NGWSP.**
    B. **This pipeline is not a potable water source.**

20. It was conveyed to the contractors at the site visit that the contractor for the Block 2-3 work will tie onto the HDD segments that are currently under a separate contract. Will the HDD segments already be hydrostatically tested or does the Block 2-3 contractor need to include this in their scope?
    A. **The HDD contractor will hydrostatically test these sections after installation as part of the separate contract.**

21. Is each segment of the Block 2-3 pipeline to be hydrostatically tested independently, between HDD locations?
    A. **In accordance with Specifications Section 33 11 10, Paragraph 3.11 A 5, each segment between sectionalizing valves is to be hydrostatically tested. This may include HDD locations. The HDD contractor also has requirements within their contract to hydrostatically test the installed HDD post-pullback.**

22. Is flushing and disinfection to include the HDD segments for a continuous run or is this to be broken up into segments without including the HDD segments?
    A. **Flushing and testing is to include the entire length of the pipeline for a continuous run, and includes the HDD segments. Disinfection is only required for the NTUA 4-inch line, in accordance with Specification Section 33 11 10, paragraph 3.10.**

23. On sheet 1695-D-60795 Pressure Pipe Trench Installation Sections and Details, on the Typical Trench Detail there is a callout at the bottom of the trench "Additional excavation as required in unsuitable material. Replace with CLSM or compacted backfill as directed by the COR." Since it is impossible to know the extent of where this application would be needed can an allowance item be added to the bid form for the Reach 2 and Reach 3 schedules to cover this, based on a unit of Volume and not Linear Feet?
    A. **Additional Excavation if encountered for unsuitable material will be treated as a differing site condition. An allowance item will not be added in the Price Schedule.**

24. Are mortar bands acceptable for carrier pipe in lieu of casing spacers?
    A. **If the mortar bands are an as equal with essential characteristics as given in Specification Section 33 05 21, Paragraph 2.03; mortar bands may be acceptable.**

25. Is cellular grout required to fill the annular space between the carrier pipe and casing pipe?
    A. **No, the annular space between the carrier pipe and casing pipe shall be taken up by spacers and runners. Pressure grout is to be used between the casing pipe and excavated borings if needed in accordance with Specification Section 3.01 J and 3.03 E.**

26. Will thrust blocks be required on miters that are fully restrained, via welds or couplers, or is it a one or the other situation?
    A. **See Specification section 33 11 10 Part 3.03 H.**

27. Will cathodic protection monitoring and anode station quantities be given, or is it up to contractor's CP engineer to determine?
    A. **As determined by contractor's CP engineer, see Specification 26 42 00**

28. Is the NTUA relocate specification included in Amendment 3 given to provide specifications for contractor to follow, or is it the intent for NECA to perform the work? If NECA is performing the work, is contractor expected to pay NECA for this work?
    A. **The NTUA relocate will be designed and constructed by Block 2-3 contractor. The NECA/IHS specification standards are just a reference that the NTUA accepts for their system. The contractor design and construction of the NTUA relocate will need to be approved by the BOR and NTUA.**

29. Would you consider C303 bar-wrapped concrete cylinder pipe be accepted as an alternate with a Snap Ring restraint joint or with a single lap weld? It combines the high tensile strength of steel with the compressive strength and corrosion-inhibiting properties of Portland cement concrete and mortar. C303 (Bar-Wrapped) uses a mild steel bar wrapped under mild tension around the cylinder. It behaves as a semi-rigid composite structure.
    A. No

30. Valve rep is no quoting the ball valves currently because the spec is "very unclear/open" and due to a lack of information regarding seat design. Is there any way we could get more information on what is desired for these, particularly with the seat design?
    A. Per specification Section 33 12 15, Paragraph 2.02 B 2: the valves shall adhere to AWWA C507 and be bubble tight in either direction. Per AWWA C507, Paragraph 4.3.7: "Valves shall have a flexible metal or resilient seat located either in the valve body mating with a metal seating surface located on the valve ball or in the valve ball mating with a metal seating surface located in the body. "See further AWWA C507, Paragraphs 4.3.7.2 (double-seated valves): "Double-seated valves shall have two sets of ball and body seats that shall provide tight shutoff in either direction, according to the tests required in Sec. 5.".

31. 33 11 10, 2.01, B - Is this to be read that Metallic Pipe will NOT BE ALLOWED at heads under 350?
    A. No

32. Spec 332195, 2.01, J, 3 refers to RESTRAINED FLEXIBLE SPLIT TYPE COUPLINGS as Victaulic style 233

    While

    Spec 352195, 2.03, C, 4 refers to RESTRAINED FLEXIBLE SPLIT TYPE COUPLINGS as Victaulic style 232

    &

    Spec 352195, 2.03, C, 5, c, 1 refers to RESTRAINED FLEXIBLE TYPE FOR DYNAMIC JOINT DEFLECTION as Victaulic style 233
    A. Section 33 21 95 Metal Piping for Line Pipe Installations applies to appurtenances on the line pipe. Section 35 21 95 Steel Manifold Piping applies to yard piping at the San Juan Lateral Water Treatment Plant Regulating Tanks.

33. Regarding the Insulating Jackets: Can you please confirm if these are to be used for freeze protection, or heat retention?

A. **Insulation jackets for air-valves are being used to help provide freeze protection.**

34. We have a boring sub requesting clarification on the bore casings: 1. Minimum wall thickness required, 2. Do you have any information on the carrier pipe to provide to the spacer manufacture? Example. OD, weight per foot, bell od, and weight per foot full of water.

    A. **See Specification section 33 05 21 Bored Crossings, 2.01 Casing Pipe F. for casing pipe thickness. Carrier pipe information will be determined by contractor as shown in Specification section 33 11 10 Pipeline General Requirements part 2.01 Pipe Options.**