

SOLICITATION NO.: R17PS00812
NAVAJO GALLUP WATER SUPPLY PROJECT – Blocks 9 - 11
SAN JUAN/MCKINLY COUNTIES, NEW MEXICO
Contractor Questions and Answers Received July 28, 2017

- 1) Question: “Bid Schedule: 31 02 30: Dust Palliative. Lump Sum. The Specification for Dust Palliative application is basically “as directed by the COR”. It is impossible to provide a reasonable lump sum price for an item when the criteria for use is so subjective. Can this item be changed to an estimated quantity using a unit of area of some sort; Square Yard, Square Feet, Acre?”

Response: No change will be made to the measurement of Dust Palliative. A lump sum price is being solicited for this item to encourage the contractor to limit the amount of area disturbed inside of the construction ROW to only what is necessary for pipeline construction.

- 2) Question: “Bid Schedule: 33 11 10: Line Pipe. Can the old Bureau of Reclamation Alternate Method of bidding Line Pipe be added to the bid schedule? (I.E. :alternate lump sum bid for Line Pipe Reach 9: alternate LS bid for Line Pipe Reach 10 and alternate LS bid for Line Pipe Reach 11). This would seem to be the logical way to bid the pipe particularly when you have alternate pipe options that do not correspond with the bid schedule.”

Response: See the updated Section B Price Schedules in this amendment for simplified Line Pipe and Sectionalizing Valve CLINs that will be independent of pipe material or pipe diameter. The Contractor will still need to meet the pressure class requirements as shown on the Drawings and the transitions from 48” to 42” diameter for the various pipe materials as shown on drawing 1695-D-60306, but the CLINs for Line Pipe and Sectionalizing Valves has been simplified to allow for an average unit price based on the Contractor’s selection of pipe material(s). Note that the K class pressure pipe, which is required at steep slopes and at specific wash crossings in the Drawings and Specifications, is designated as a Special Design, and further defined as restrained joint metallic pipe (butt-welded steel or restrained joint ductile iron) per the revised section 33 11 10 - Pipeline General Requirements. Due to the Special Design requirement, this pipe is listed as a separate CLIN (K Class Line Pipe) in the revised Price Schedules in this amendment.

- 3) Question: “Bid Schedule: 31 23 02: Compacting Earth Materials. There is normally a bid item for Compacting Backfill in Pipe Trenches. Is this incidental to the work or will an item be added?”

Response: Due to the relatively small amount of compaction required at roads, valves, washes, etc. as required by the Contract Specifications and Drawings, the cost for compacting earth materials is incidental to those other items of work.

- 4) Question: “Work Items: 26 42 10: Cathodic.

a) Who is responsible for A.C. Power to Impressed Current Rectifiers? ”

Response: The Contractor will be responsible for all construction or temporary power through final acceptance of the contract. Permanent power may not be available during construction.

b) Where would the A.C. Power be located to supply the Impressed Current Rectifiers along the laterals?

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Response: The Government will provide permanent power to rectifiers located in Table 26 42 10A - Impressed Current Anode, which is dependent on the Contractor's cathodic protection (CP) system design. No permanent power is available at this time. Once the Contractor's CP system is designed, the Government will design a permanent power supply to the Contractor's design location for each rectifier. The Contractor needs to include appropriate resources and costs in their bid to supply all construction or temporary power sources for all testing and other uses required by the Specifications through final acceptance of the contract.

- c) If the Steel pipe option is used for Reach 10, will a Galvanic anode system be required to protect the pipe?

Response: The galvanic cathodic protection system is not required for Reach 10, if steel pipe is used.

- 5) Question: "If you intend to use Ductile Iron you still have to price using the bid schedule. The transition from 48" to 42" for DI is at station 90681+00 while the bid schedule is set up with quantities based on a transition from 48" to 42" at station 90879+00 so using DI you would have 19,800 If less 48" pipe and 19,800 If more 42" pipe. How will this be paid for using the items in the bid schedule? "

Response: See the updated Section B Price Schedules in this amendment for simplified Line Pipe and Sectionalizing Valve CLINs that will be independent of pipe material or pipe diameter. The Contractor will still need to meet the pressure class requirements as shown on the Drawings and the transitions from 48" to 42" diameter for the various pipe materials as shown on drawing 1695-D-60306, but the CLINs for Line Pipe and Sectionalizing Valves has been simplified to allow for an average unit price based on the Contractor's selection of pipe material(s). Note that the K class pressure pipe, which is required at steep slopes and at specific wash crossings in the Drawings and Specifications, is designated as a Special Design, and further defined as restrained joint metallic pipe (butt-welded steel or restrained joint ductile iron) per the revised section 33 11 10 - Pipeline General Requirements. Due to the Special Design requirement, this pipe is listed as a separate CLIN (K Class Line Pipe) in the revised Price Schedules in this amendment.

- 6) Question: "Plans: Pipe designation and Bid Schedule. On Reach 9 is the bid schedule set up using all steel pipe so that the symbol pipe bid quantities shown reflect 48" steel to station 90879+00 and 42" steel for the remainder of the Reach? If this is so but you bid one of the other options how do you bid?

If using all steel change from 48" to 42" at Station 90879+00.

If using steel 48" change to 48" PVC at station 90523+00 and change from 48" PVC to 42" PVC at station 90879+00?

If using steel 48" change to 48" HDPE at station 90879+00 and continue to the end with 48" HDPE?

If using all ductile iron change from 48" DI to 42" DI at station 90681+50.

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If using DI 48" change to 48" PVC at station 90523+00 and from 48" PVC to 42" PVC at sta. 90810+00?

If using DI 48" change to 48" HDPE at station 90879+00 and continue to the end with 48" HDPE.

If using fiberglass change from 48" to 42" at 90577+00. No option for mixing and matching fiberglass?"

Response: See the updated Section B Price Schedules in this amendment for simplified Line Pipe and Sectionalizing Valve CLINs that will be independent of pipe material or pipe diameter. The Contractor will still need to meet the pressure class requirements as shown on the Drawings and the transitions from 48" to 42" diameter for the various pipe materials as shown on drawing 1695-D-60306, but the CLINs for Line Pipe and Sectionalizing Valves has been simplified to allow for an average unit price based on the Contractor's selection of pipe material(s). Note that the K class pressure pipe, which is required at steep slopes and at specific wash crossings in the Drawings and Specifications, is designated as a Special Design, and further defined as restrained joint metallic pipe (butt-welded steel or restrained joint ductile iron) per the revised section 33 11 10 - Pipeline General Requirements. Due to the Special Design requirement, this pipe is listed as a separate CLIN (K Class Line Pipe) in the revised Price Schedules in this amendment.

- 1) Question: "While driving the alignment, I noticed a lot of stakes painted red with markings that did not seem to be related to the water line alignment. Are there plans for a new or additional power line that would be in or close to the water line ROW? They could be bureau reference points, they were labeled NTA or NUTA with coordinates."

Response: Those stakes are preliminary alignment markings for NTUA's proposed 115 kV electrical transmission line between Cudei Substation and the Coal Mine Substation near Tohatchi. Their schedule is still being finalized, but construction is tentatively scheduled to begin in 2018 and be completed by the end of 2019. The Government's ROW for this Project is separate and outside of the future NTUA electrical transmission ROW. Contact NTUA for further details.

- 2) Question: "Section 01 51 00-2 1.04 – When is water going to be available at the tie in point at Twin Lakes on Reach 11?

a) When will this line be in service?"

Response: Contact NTUA or City of Gallup in accordance with Section 01 51 00 – Temporary Utilities for construction water. The contractor may deliver purchased water by gravity through previously completed Reaches of NGWSP, provided requirements of this section are met. The Temporary Water Line shown on drawing 1695-D-60308 is to be constructed to convey water from Reach 11 to Reach 10. Coordinate use of the temporary water line shown on drawing 1695-D-60308 with COR.

- 3) Question: "Section 01 51 00- Temporary Utilities. Is a field office required for the jobsite?"

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Response: No, provided the Contract's Specification requirements are met, it's the Contractor's discretion where the construction is managed from.

- 4) Question: "Section 31 02 10- Water for dust abatement. Is the water for dust palliative paid for under the bid item for 'Water for Dust Abatement'?"

Response: No, water for Dust Palliative is incidental to the CLIN for Dust Palliative. The Water for Dust Abatement CLIN is a separate bid item to mitigate airborne dust on as-needed basis within the Contractor's active work area, except as noted in article 3.01.F of section 31 02 10 – Water for Dust Abatement.

- 1) Question: "Reference Section L.14 - Notice of Proposed Partnering – Bureau of Reclamation.

The Bureau proposes to mutually form a voluntary Partnering arrangement with the Contractor.

- a) Can the BOR specify an allowance to be included to a specific CLIN for Contractor's cost associated with this process?

Response: Section L.14 – Notice of Proposed Partnering refers to a proactive approach to dispute resolution and is a voluntary method should the Contractor agree to form a Partnering agreement with Reclamation. It is currently not a condition of the contract and therefore cost does not need to be allocated for it. Should the Contractor decide to partner with the Government, the contract will be modified to add the Contractor's share of conducting the Partnering agreement.

- b) If the BOR cannot provide an allowance, could the BOR please quantify the effort that will be required by the contractors in this process?"

Response: See response to a) above.

- 2) Question: "Reference Specifications Section 26 42 21 – Cathodic Protection and Corrosion Monitoring System and Drawing No.1695-D-60360 - Cathodic Protection Deep Well Anode Bed.

The Contract Specifications specify both the requirement and quantity of Impressed Current Anode Beds required for the overall project (subject to change based upon the Contractor's selection of Pipeline Materials).

Impressed Current Anode Systems require an A/C electrical power source to be operational.

The above referenced Contract Drawing Detail depicts the requirement for an Electrical Circuit Box and Power Meter (as required).

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Neither the Contract Specifications, nor Drawings specify, depict, or otherwise discuss the Project source(s) or location(s) of existing A/C Utility Power that will be required to energize and complete the impressed current cathodic protection systems.

Questions:

- a) Has the Bureau of Reclamation made provisions or coordinated the source and availability of an A/C electrical power source for the Impressed Current Systems?

Response: The Government will provide permanent power to rectifiers located in Table 26 42 10A - Impressed Current Anode, which is dependent on the Contractor's cathodic protection (CP) system design. No permanent power is available at this time. Once the Contractor's CP system is designed, the Government will design a permanent power supply to the Contractor's design location for each rectifier. The Contractor needs to include appropriate resources and costs in their bid to supply all construction or temporary power sources for all testing and other uses required by the Specifications through final acceptance of the contract.

- b) Who is responsible (Contractor or Bureau of Reclamation) to identify, coordinate and pay for the Utility Power fee(s) necessary to complete the Impressed Current Cathodic Protection System installations?

Response: See to response to question a) above.

- c) Who is responsible (Contractor or Bureau of Reclamation) for any permits or fees that may be required to secure additional utility (overhead or underground) right-of-way to allow for the installation of A/C utility power to each Impressed Current System?

Response: See to response to question a) above.

- d) Would the Bureau of Reclamation allow for the consideration of alternative A/C power sources, (e.g. Solar), within the pipeline right-of-way provide the necessary A/C electrical power for the impressed current cathodic protection systems?"

Response: See to response to question a) above.

3) Question: "Reference Specifications Section 01 35 22 – First Aid, Part 1.03 – Service

Line A requires first aid and medical facilities to be in accordance with Section 5 of the Reclamation Safety and Health Standards (RSHS). Section 5.2.1.a of the RSHS requires a registered nurse (RN), an emergency medical technician (EMT), or a paramedic must be on duty at the on-site first aid station, except when on emergency call.

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Question: Please confirm if this requirement applies to this project. ”

Response: The requirement in article 5.2.1 in section 5 – Medical Service and First Aid of the RSHS applies to facility locations or construction sites with more than 99 employees during a single shift. If less than 99 employees are planned to be on-site, then comply with the other requirements of section 5 of the RSHS for providing readily available emergency medical services. Additionally, see article 1.04.B – RSN 01 35 22-1, Medical Facilities Plan for requirements for describing the Contractor’s plan for providing medical service and first aid to employees, subcontractor employees, Government employees, and public.

- 4) Question: “Reference contract drawings 1695-D-60321 “blowoff sections and details”, 1695-D-60322 “manhole with blowoff”, 40-D-60002 “typical guard posts”

The two types of blowoffs on the project do not indicate the need for guard post like the Air Valve locations.

Question: Please confirm that no guard posts are required at these locations. ”

Response: Four guard posts are required at both types of blowoffs as indicated in the Plan view that was added by Amendment #4 (and previously indicated in the Transverse Section) on drawing 1695-D-60321 and the Transverse Section on drawing 1695-D-60322.

- 5) Question: “Reference contract drawing 1695-D-60321 “blowoff sections and details”.

The contract drawing do not show the need for spray on insulation inside of the blowoff precast boxes that are 60 X 36 X 24. There would only be about one vertical foot to spray on the inside wall as well as the underside of the lid.

Questions:

- a) Please confirm that no insulation is needed at these locations.

Response: Confirmed, no insulation is required for the blowoff precast boxes (60”x36”x24”) since all of the water should be drained out of the exposed section of pipe.

- b) Are insulating jackets required on the small section of pipe that will be sticking up in the precast boxes?”

Response: Insulating jackets are not required on the small section of pipe in the precast boxes for blowoffs.

- 6) Question: “Reference Solicitation, Offer, and Award Form 1442

Question: Could the BOR please provide the “CODE” and “FACILITY CODE” requested at box 14?”