

**GRAND STRAND WATER & SEWER AUTHORITY
HWY 701 TO HWY 544 48" WATER TRANSMISSION LINE IMPROVEMENT PROJECT**

ADDENDUM NO. 2 – October 4, 2019

This Addendum forms a part of the Bid & Specification Package and modifies the original Bid & Specification Package, dated March 2019, Bid Opening Date October 8, 2019.

Acknowledge receipt of this Addendum in the space provided on the BID (00300-14). Failure to do so may subject Bidder to disqualification.

The following items clarify, modify, change, delete from or add to the Bidding Documents. When any paragraph, subparagraph, or sub-subparagraph, thereof is modified or deleted by this Addendum, the unaltered provisions of that paragraph, subparagraph, or sub-subparagraph shall remain in effect. When any portion of a drawing is modified or deleted, the unaltered provisions of that drawing shall remain in effect.

1. Temporary Fence - For property TMS 169-00-03-052, do we install temporary fence while existing fence is down? If so will that be paid or is it incidental?

Answer - A temporary fence will likely be required for this property. Details of the location and type of fence have not been finalized with the property owner at this time. When these details are determined GSWSA may ask the awarded contractor for a quote or choose to contract the temporary fence separately.

2. Manufacture - On the bid form after the unit prices there are spaces to list the manufacturer of particular bid items. For bid item 19 there are several manufacturers for different pieces of this item. Which manufacturer are you looking for?

Answer – GSWSA will require the contractor to specify three manufactures for bid item 19. Delete the "one per bid item" requirement for bid item 19. Contractor shall provide one manufacture for the fittings, one manufacture for the gate valve and one manufacture for the pipe.

3. Ductile Iron – Addendum 1 - Based on question 4 in addendum 1. Is there a chance that part of an alternate can be accepted in lieu of the base bid item? Main thing is if DIP or Steel could be used in the wet land open cut in lieu of the HDPE or if one of the alternate materials is not selected then you have to use the HDPE in the wetlands open cut section?

Answer - Yes. The alternates would not have to be selected as a whole. GSWSA may choose to select any part or all of an alternate.

4. Existing Building - There is an existing building near station 249+00 that is shown and we lay pipe through it. Is it to be moved by property owner or will the contractor be responsible for relocating it or do we demo it?

Answer – GSWSA is currently in discussions with the property owner in regards to the building. GSWSA and/or property owner will be responsible for any action regarding the building.

5. Bell Joint Harness Restraints – There is no separate Bid Item for PVC Bell Harness Restraints. Are these to be included in the cost of the MJ Fittings and Valves? Will the contractor be required to install PVC Bell Harness Restraints on existing lines at any cut-ins required?

Answer – ***Bell joint restraints are to be included in the cost of the associated fitting/valve/bid item. Restraints are required as shown on the "Typical Fitting and Joint Restraint" detail on sheet 25 of the construction plans. The contractor will be required to install bell joint restraints on the existing lines at the cut-ins. Please see water base bid item 30 (Restrain Existing 36" PVC Water Line) and sewer base bid item 17 (Restrain Existing 36" PVC Line). Existing 36" pipe material type is C905 PVC.***

6. Sewer FM Conversion Bid Item 19 – Will the contractor be required to change only the existing valve or will other material in a standard assembly be required? If the whole assembly needs replaced is there information on the size of the lines for service saddles?

Answer – ***The contractor will be required to change the entire assembly to match the "Typical Sewer Forcemain Air Release Valve Assembly" detail as shown on sheet 24 of the construction plans. For bidding purposes, it is assumed the existing saddle and 2" corporation stop will remain in place.***

7. Buy American Requirement – Is there a certain percentage that would need to be met for the Buy American requirement on this project?

Answer – ***The contractor will be required to meet the American Iron and Steel (AIS) requirements as outlined in the SRF documents within the bid package. More information regarding AIS requirements can be found on the EPA website.***

<https://www.epa.gov/cwsrf/american-iron-and-steel-requirement-guidance-and-questions-and-answers>

8. Bedding PVC and DIP – There is not a call out for bedding on the PVC and DIP like on the steel pipe. Do we use the typical pipe bedding detail shown on sheet 26?

Answer – ***For DIP the contractor shall use the "Typical Pipe Bedding Detail" on sheet 26 of the construction plans. As part of this addendum the detail for steel pipe has been revised and is attached with this addendum. Also, a pipe bedding detail for PVC is attached with this addendum.***

9. Soil Testing – Are compaction test going to be required? If so who is responsible. There are some places that say contractor and some say by owner. If by contractor how often do they have to be performed?

Answer – ***Compaction test will be required for this project and is the responsibility of the contractor. Compaction tests shall be performed every 2,000 linear feet one foot above the top of the pipeline except for within paved roadways that have been open cut. Compaction tests in these areas shall be performed every 250 linear feet and every foot vertically above the pipeline. The contractor shall include the costs of compaction test within the unit cost of the pipe being installed.***

10. HDPE Directional Drill – There is a call out in the detail for the HDPE to have a carrier pipe. It appears by the bid form that it is just an HDPE directional drill and open cut. But in the detail on page 25 and in the specs it talks about having a HDPE carrier to be pulled through HDPE casing. Please clarify.

Answer – There is no casing requirement for the directional drills on this project. The casing requirement is only for directional drills on SCDOT roadways. All SCDOT roadways will either be bore and jack or open cut for this project.

11. Excess Dirt – Are we required to haul off excess dirt accumulated on the project? If any is it the whole project or just the wetlands?

Answer – Excess dirt, if any, within the entire project shall be hauled off and is the responsibility of the contractor. The disposal of any excess dirt shall be included in the unit cost of the pipeline being installed.

12. Steel Bid Items – On alternate bid items (steel alternate) ^4 and ^20. The quantities for these do not match the base bid or the DIP bid quantities. So does that mean if steel is selected then part of the project will go PVC or DIP or was that just an over site on quantity review?

Answer – The quantities for items ^4 and ^20 in Alternate 2 (Steel Pipe) are different from the base bid and Alternate 1, however, the total length of the project is the same. This is due to the additional directional drill length with steel.

13. Alternate Items – For the alternate items that have a 0 quantity like item *17 Substitute HDPE to PVC Connection (Not needed with DIP Pipe). What unit price are you looking for in this item. The value from the base bid that will not be needed or zero since the line item will not be needed? Then there are some additional items in the steel alternate same question.

Answer – The items in the alternates with a unit quantity of 0 are only intended to delete the items as they are not needed. The total cost for these items will be zero, therefore, any number can be entered. It is expected that zero will be entered as there is no value to the item.

14. Can we use an alternate weight/ballast system such as the saddle bag sand weights?

Answer – The contractor shall provide pricing for the weight/ballast system as indicated in the bid documents and construction plans. Alternate construction methods can be submitted for review on a case by case basis prior to installation.

15. We have dug several test holes in the power line R/W and have found stumps underground from the previous clear-cut operations for the added power poles along with several feet of peat type soil cover and infiltrating streams of water. Can we get paid for the removal these stump debris left in the previously cleared areas since there is no way to determine how much exist? The soils on the top 2 – 4 ft. of the trench when excavated are so saturated, they pancaked out when stacked. Do you want this material to be used as the backfill and if not can we get paid for import fill and export of the unsuitable? The existing material will not compact in place for a long while. Due to the groundwater in the excavated trench, can we place No. 57 Stone in the trench for dewatering and can we get a Bid Item added for this in the open cut section using DIP or Steel?

Answer – The proposed route may or may not contain unclassified debris within the area of the proposed pipeline trench. The contractor shall remove all unsuitable materials encountered and dispose of offsite. The contractor shall use bedding details as shown for each pipe material to the top of the pipe and then backfill with native material. All excess material must be hauled off site. The items listed above shall be included in the unit cost of the pipeline being installed.

16. Will the Bid be evaluated and awarded based on GSWSA's choice of the Base Bid and /or Alternate Bid combinations and not necessarily awarded on the lowest responsible Base Bid only in the evaluation?

Answer – GSWSA will evaluate the base bids and alternates and award to stay within budget and what is in the best interest of GSWSA. As stated in the bid documents GSWSA reserves the right to add, deduct and/or alternate bid items and award to the lowest responsive bidder.

17. Without a soils report the drilling subs are pricing the drill as soil/sand/clay but no stone. Sometimes there are layers of sandstone near these depths so can you add a statement that would allow additional cost for these conditions if discovered?

Answer – As there is no soils report for this project the contractor shall bid the project as soil/sand/clay conditions at the directional drill locations.

18. We have been told the HDPE DR17 Drill Pipe is not adequate in strength for the Drill at the River. Can you verify?

Answer – Based on further evaluations it is apparent that DR-17 is not sufficient for the directional drills within the project. GSWSA intends to specify the use of DR-11 for installation. However, due to this dimension ratio being a specially manufactured product the contractor shall bid the project using DR-17 pricing. The contractor awarded the project will be required to submit documentation to GSWSA of the price increase for this material before a change order can be issued.

19. The typical trench for the steel pipe shows Class 1 backfill material so will this be paid for separately along the export material replaced? Is the Class 1 material to be No. 57 Stone and if so is that appropriate with exterior pipe coating.

Answer – Please refer to the revised bedding details issued with this addendum. All materials included in these details shall be included in the unit cost of the pipeline being installed.

20. How much sewer should we expect to handle on the 36" Tie-in and how long do we have to make the connection? Can it be done during the daytime hours? Will the sewer need to be pumped and hauled and if where should we expect to take it?

Answer – There are two connections to existing sewer lines to be made as part of this project. One connection is to an existing 30" stub out and there will be no sewer involved, therefore, there are no time restrictions. The other connection is to cut in a 30"x30" tee at Hwy 701. This connection will involve approximately 1,500' of 30" C905 PVC force main between sewer valves. The connection can be made during daytime hours as flow can be diverted, however, the shutdown shall not be longer than one working day. An existing 6" pumper connection is directly adjacent to this tie-in that will be utilized by the contractor for dewatering.

21. Can you specify what the pipe material is at the existing 36" BFV's being replaced by 36" PV's? Especially the one at Sta. 167+50, would this be attached to HDPE on both sides? There are 5 of these but we can find only 4. Can you list the stations all 5 locations? We are wondering if there is one the wetland/standing water areas in the Power Line.

Answer – Pipe material for all locations is 36" C905 PVC. Existing 36" BFV's are located near STA 56+00, 128+50 (opposite side of Santee Cooper R/W), 167+50 (opposite side of Santee Cooper R/W), 240+50, 271+00 (inside Santee Cooper R/W).

22. The COE Permits show a gravel road to the Bore Pits on sheets 25 and 26. Can place this gravel road in the wetlands or not, and if so can we add mats on top of the 12” thick gravel road?

Answer – ***All work in the Wetlands and Floodplain/Wetland areas are to be performed from mats. Gravel haul roads were only approved for use in the upland areas located outside of the Waccamaw National Wildlife Refuge (WNWR). All equipment used on the project within the Santee-Cooper R.O.W. must operate from mats placed on undisturbed ground within the Wetland and Floodplain/Wetland areas located on the project. No fill is allowed under the mats.***

23. Can you confirm what lining will be required on the new sewer force main MJ fittings?

Answer – ***All sewer fittings on this project are to be Protecto 401 lined.***

24. The Plan View Sheets along the Power Transmission R/W shows a 10 ft. easement outside the R/W and the typical trench detail on Sheet 24 states the existing grade is not to be disturbed. Can we temporarily place excavated spoil from the trench in this area as opposed to the detail’s location?

Answer – ***A double erosion fence must be kept in place around the entire work area in the floodplain/wetland areas. The easement area is part of the work area. Temporary storage of excavated spoil from the trench could be done in this area.***

25. Can the 48” WL along the Power Transmission R/w be moved to be 8 – 10 ft. off the R/W Line in lieu of the 5 ft. shown to make more room for the excavated spoil.

Answer – ***No. We are required by Santee Cooper to install the pipeline approximately 5’ inside their right of way as shown on the construction plans.***

26. Can we use areas outside the 30 ft. easement in the Power Transmission R/W for construction. The Drillers will need platforms on each side of the Drill that are 200’ x 200’ and 100’ x 100’. Also our temporary road access will exceed the 30 ft. easement too.

Answer – ***The 30’ easement shown on the construction plans is the permanent easement for the new waterline. GSWSA is currently obtaining a temporary license from Santee Cooper for use of their right of way. Exact dimensions necessary for construction will need to be provided to GSWSA by the contractor awarded the project.***

27. ***Bid Clarification – Alternate #1 and Alternate #2***

Due to multiple request contractors will not be required to provide bids for Alternate #1 (Ductile Iron Pipe) and Alternate #2 (Steel Pipe). These bid items are optional and no longer required as stated in Addendum 1, item 10. Contractors are still required to provide bids for the Alternate 36” Water Line and Sewer Force Main Conversion.

END OF ADDENDUM TWO