



MANATEE COUNTY FLORIDA

November 4, 2013

TO: All Interested Bidders
SUBJECT: Invitation for Bids #13-1745CD
Fort Hamer Road water Main Crossing

ADDENDUM #2

Bidders are hereby notified that this Addendum shall be acknowledged on page 00300-1 of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgment of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

- 1. CHANGE** Article 1.07- Bid Item #16 of Section 01150, Measurement and Payment, on page 40 of the Technical Specification Contract Documents to read as follows:
Payment for all work included in this Bid Item will be made at the applicable Contract unit price bid per linear foot for removing existing 8-inch PVC water main as shown on the Contract Drawings and listed on the Bid Form. Payment shall represent full compensation for all labor, materials, excavation, dewatering, tree trimming and removal as necessary, removal and disposal of pipe, backfill, compaction, grading, necessary equipment, and incidentals necessary to complete the work, ready for approval and acceptance by the Engineer/Owner.
- 2. DELETE** all of Article 1.03 of Section 02617, Installation and Testing of Pressure Pipe, on page 112 of the Technical Specification Contract Documents.
- 3. CHANGE** Article 3.04.C.Pull-back failure of Section 02619, Horizontal Directional Drilling, on page 125 of the Technical Specification Contract Documents to read as follows:
If the tensile stresses during installation exceed the safe pull tensile stress of the pipe as published by the manufacturer.
- 4. DELETE** Article 3.07.D of Section 02619, Horizontal Directional Drilling, on page 127 of the Technical Specification Contract Documents.

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5. **CHANGE** Article 3.09.H of Section 02619, Horizontal Directional Drilling, on page 129 of the Technical Specification Contract Documents to read as follows:

After reaming the borehole to the required diameter, the pipe shall be pulled through the hole. Pull pipe back in one continuous pull to avoid closure of the bore hole with stoppages for welding if required. The product pipe shall be completely filled with fresh water during pull-back. Water used during testing is acceptable. In front of the leading end of the pipe shall be a barrel reamer to deflect remaining cutting deposits and to further compact the borehole walls.

The following questions have been presented by potential bidders:

Question 1: Your qualifications require a General Contractor. Is Underground Utility Certification acceptable?

Response 1: Yes, see item #1 of Addendum #1.

Question 2: Reference specification Section 01580, Project Identification and Signs, par. 1.02-A, one painted sign, is this all we are to provide?

Response 2: See items #4 and #5 of Addendum #1.

Question 3: Reference specification Section 02618, PIPELINE CLEANING, pigging the pipe lines, can this requirement be waived? Pipeline cleaning by "Pigging" adds more cost for insertion and retrieval fittings and wastes water. The lines will be flushed after pressure testing and chlorinating that should adequately clean the line. Please clarify.

Response 3: The County requires pigging of all new lines and this requirement will not be waived.

Question 4: Specification Section 02619, Horizontal Directional Drill, 1.05, D. Are signed and sealed design and calculations required?

Response 4: Yes.

Question 5: Reference specifications Section 02620, Polyethylene (PE) Pressure Pipe, Part 2, Products, par. 2.01-A-2, Dimension Ratio 9 (DR9), this DR-9 specification conflicts with the attached Manatee County Utility Standards specification Section 4, Polyethylene (HDPE) Pipe and Fittings, par. 4.02, Products, sub-par 'A', requires DR-11, what dimension ratio are we to bid on?

Response 5: The County standard of DR-11 is intended as a minimum. Due to the size and length of the Horizontal Directional Drilling for this project, DR-9 is required.

Question 6: Reference specification section 02619, page 123/150, par. 2.01-F, what are these breakaway connectors?

Response 6: Breakaway connectors are typically used to avoid overstressing the pipe during pulling operations. Breakaway connectors are no longer required and can be used at the Contractors' discretion.

Question 7: Reference specifications Section 02619, Horizontal Directional Drilling, page 122/150, par. 2.01-E, this paragraph tells us that each tracer wire is to be a minimum of #4 gauge 19-strand braided copper wire, this gauge wire conflicts with Manatee County Public Works Utility Standards, page 17, and also how many tracer wires are we to install? Please clarify.

Response 7: The Manatee County standards are for smaller diameter and length Horizontal Directional Drill's. See item #6 of Addendum #1 for changes to the tracer wire for this project.

Question 8: With regard to the tracer wire, instead of attaching the wire directly to the pipe with duct tape why not require a two (2) inch diameter HDPE conduit be pulled back with the host pipe to receive the tracing wire after pull back? There seems to be some concern as to whether or not the wire will stay attached during pull back. Please clarify

Response 8: Due to issues with the 2" line spiraling around the 30" line, increased drag and pressures, and lower safe pull-back values for a 2" line, a 2" conduit for the tracer wire is not recommended, but can be used at the Contractor's discretion. The Contractor can either use the tracer wire identified in item #6 of Addendum #1 or a 2" casing pipe with standard tracer wire located inside. Should the Contractor choose to use the 2" casing pipe, it shall be included in the signed and sealed design required in Article 1.05.D of Section 02619.

Question 9: Reference plan sheet C-12, regarding the asphalt patch that will have to be made after the connection to the existing 24-inch water main is made, will the County require we mill and resurface existing asphalt surface in each direction from the patch? If so, how many feet in each direction?

Response 9: Per the Manatee County standard detail UG-12 on Sheet D-1, the existing surface shall be milled and resurfaced from edge of pavement to edge of pavement going east to west across Ft. Hamer Road and 25 feet each way to the north and south of the cut asphalt.

Question 10: Reference plan sheet C-12, station 182+71, the connection to the existing 24-inch butterfly valve, is the existing valve and pipe north of the valve restrained in any fashion other than thrust blocks? Please clarify.

Response 10: The existing 24" main and valve were restrained using bell restraints. No concrete thrust block was used at the valve/dead end.

Question 11: Reference specification Section 02618, PIPELINE CLEANING- we have contacted a pipeline pigging contractor and they will not quote pigging the pipe for this job due to the presence of butterfly valves that will be installed in the pipeline. They are concerned that the foam pig will not pass through the butterfly valve. They will quote the job if the butterfly valves are not installed at the time of pigging and that the valves be installed after the pipeline pigging process is completed. Installing the butterfly valves after pigging will add considerable amount more money to the project as a mechanical joint sleeve will be required at each valve location in order to cut the valve into the line. Once again we ask that the requirement to pig the pipe be removed from the specifications.

Response 11: The County requires pigging of all new lines. The line can be pigged in stages so that the pig does not have to pass through a butterfly valve.

Question 12: Please clarify the requirements for the lump sum road restoration items. Are we to replace only the asphalt we disturb and patch pave to meet the existing asphalt elevation? Once the patch is made will we be required to overlay the entire roadway? The measurement and payment does not adequately define the limits and the detail provided in the plans doesn't truly represent the conditions for these lump sum items.

Response 12: For Bid Item 13a, Winding Stream Way – 24-inch DIP Install, refer to Note 2 on Sheet C-2 and Detail 2 on Sheet D-3. Per the detail, the Contractor shall replace the base and asphalt for the area disturbed by the pipe trench, which runs along the length of the road. The remainder of Winding Stream Way shall receive an asphalt overlay from edge of pavement to edge of pavement for the entire length of the road from Upper Manatee River Road to the road's endpoint at Sta 108+64. The portion of Winding Stream Way that turns west into the back entrance to the Waterlefe community does not require an overlay.

For Bid Item 13b, Ft Hamer Road – North 24-inch Connection, refer to Response 9 above.

Question 13: Spec Section 01380 – Will there be any required qualifications to be submitted for the camera operator referenced in 1.02, A? Also, 1.03 requires to “Provide one print of each photograph with each pay application.” Are there a set minimum amount of photographs required (per LF, per day, etc?)

Response 13: A qualifications submittal for the camera operator for photographs and videos is not required. There is no set number of photos required for submittal with the pay application. The number of photographs submitted should be adequate to show the work completed.

Question 14: Will office trailer facilities be required for owner/engineer representatives?

Response 14: No.

Question 15: Section 02619 states in 1.02, A. that “Prior to performing any excavation work, the Contractor shall perform an underground utility location detection survey marking the surfaces with color-coded markings where utility lines are detected.” Is this in addition to submitting a locate ticket to Sunshine State One Call? If so is this to be done with ground penetrating radar?

Response 15: Sunshine State One Call is adequate for utility locating.

Question 16: On Sheet C-3 there is a note to “Relocate Exist 4” SAN FM Below proposed 24” Water Main as Needed”. What type of pipe is this force main?

Response 16: 4” Force main is C-900 PVC.

Question 17: The construction drawings do not specify the type of pipe for the 8” water main that is to be removed but the Measure and Payment section indicates this is DIP. Is that correct?

Response 17: 8” water main to be removed is C-900 PVC.

Question 18: On Sheet C-3, Note 2 specifies to restrain a minimum of 2 joints of the existing 8” water at STA 108+09 with EBAA Iron Series 1600. Can we assume this pipe is C900? Also, on Sheet C-2 at the 8” tie-in included in Connection A that note is not shown. Does this existing 8” water main require restraint of 2 joints as well?

Response 18: Yes, 8” water main is C-900 PVC. Additional restraining of existing 8” line is not required at Connection A.

Question 19: The location of silt fence placement is shown at various locations throughout the construction drawings but General Note 25 on Sheet G-2 states that the “Perimeters of all areas disturbed by construction must be surrounded by silt fence until restoration is complete”. Are the locations shown on the construction drawings the only places where silt fence is required?

Response 19: The silt fence locations shown on the drawings are specifically required for the ERP Permit. Refer to BMP Notes on Sheets C-2 through C-15 for additional silt fencing that may be needed.

Question 20: On Sheet C-4, Note 3 states that the “Contractor shall coordinate with TECO/People’s Gas to remove 4” gas line if required”. The profile does not show this gas line so it is difficult to determine if it needs relocation. If it does need to be relocated how will this expense be covered?

Response 20: TECO People’s Gas will relocate the 4” line if it is in conflict at no cost to the Contractor. Contractor to field determine if a conflict exists.

Question 21: The two water service details indicate that the contractor places the meter box and resetter but not the meter. The Measure and Payment states that this item includes installation of meters supplied by the County. Do we set the meters and are they supplied by the County?

Response 21: The County provides the meter for installation by the Contractor.

Question 22: All three trench details indicate that pipe bedding is required at 4”-6” below the pipe and Section 02223, 3.02, A. states that if the material at the trench bottom consists of fine sand, sand and silt or soft earth then the subgrade material is to be removed and refilled with crushed stone or washed shell. Since the only soil borings provided are at the drill location can you please provide additional information so we can determine if bedding or replacement of unsuitable material is necessary?

Response 22: No additional soil information, other than what is provided on the plans, is available.

Question 23: Can you please provide a detail or more information for the groundwater observation wells (Piezometers) described in Section 02221, 1.02,B.6., which specifies that (2) wells are required at each structure and along pipelines and that they are to be extended 6” above grade, protected by a 24”x24” concrete base and left in place. This specification does not state the spacing along the pipeline nor the size and material to be used for the pipe.

Response 23: The beginning of this Article states “Where required,..”; Groundwater observation wells are not required for this project.

Question 24: Have any contaminated sites been identified that would fall into the radius of influence of any required dewatering activities? If contaminated water is discovered how would payment for the treatment and disposal of this water be handled.

Response 24: No contaminated sites have been identified. In the event contaminated groundwater is discovered, the County’s Project Management Team will develop a plan for treatment and disposal of the contaminated groundwater. This plan would then be provided to the Contractor for preparation of the additional costs to implement the remedial plan for negotiations with the County. After final negotiations on pricing have been completed and approved, the County would issue a Change Order or a Field Directive to the contractor to perform the work in the remedial plan.

Question 25: The Trench with Asphalt Pavement Surface Detail indicates that the base shall be 8" crushed concrete but Section 02575, 2.01, B. states that the crushed concrete base shall be 10" minimum. Which is correct?

Response 25: The Asphalt Pavement Surface Detail governs.

Question 26: General Note 18 on Sheet G-2 states that "The Contractor is to adjust or relocate all the facilities that fall in conflict in accordance with County Standards" and the specifications include several statements to the affect that the Contractor is responsible for all work whether specified in either the Plans or Specifications necessary to complete the work. If utility conflicts not shown on the plans are discovered during construction is the Contractor responsible for resolving the conflict at his expense or will this covered by the Discretionary Work bid item.

Response 26: If conflicts are discovered that are not indicated on the plans, the Contractor with prior County approval will be compensated for offsetting the utility in conflict through a change order or field directive.

Question 27: Section 01005, 1.04, B. states that "All inspection and testing of materials furnished under this Contract will be performed by the County.....without cost to the Contractor,....". Does this include all testing such densities, concrete testing and bacteriological testing?

Response 27: The inspection testing for densities, concrete testing, and bacteriological testing is paid for by the County. The cost for retesting will be the Contractor's responsibility.

Question 28: Other than the FDEP NOI and SWFMWD permit if dewatering is required, what other permits are to be obtained by the Contractor?

Response 28: Other permits include Manatee County Right-of-Way Use Permit and County approval of the Maintenance of Traffic Plan.

Question 29: Does the hatched are on Sheet C-12 on Ft. Hamer Road represent the asphalt restoration limits at this location?

Response 29: No. Refer to Response 9 above.

Question 30: Are the work hours for the HDD operation from 7:00 AM to 8:00 PM as shown in the Section 02619 and for the pipe pull-back can this time frame be extended to a 24-hour work day?

Response 30: The County Noise Ordinance allows "usual noises of construction and construction equipment between the hours of 7:00 AM and 8:00 PM." The Contractor will be allowed to exceed these hours only during pulling of the pipe for the horizontal directional drill since this activity could exceed the standard work hours. The County will consider this activity an "emergency" exception to the ordinance. A sound barrier is required around the drilling equipment. A sound attenuation plan submittal is required per specification Section 02619, Horizontal Directional Drilling, 2.01.H.

Question 31: Is the pressure test of the HDPE prior to pulling a hydrostatic test or can an air test be done?

Response 31: The pre-installation test can be an air test. The final test once the HDPE pipe is installed must be a hydrostatic test.

Question 32: Please specify the placement locations for the two tension measurement devices required by Section 02619, 2.01, G.

Response 32: Placement and location of these devices is the Contractor's responsibility.

Question 33: Please explain when Section 02617, 1.03 applies.

Response 33: See item #2 of this Addendum #2.

Question 34: Section 02619, 1.01, A states "This includes retaining scientist/biologist, divers, or any other specialized personnel required in the event of a frac-out during construction and as required to comply with the permit conditions of approval." The FDEP and ACOE permits and the Bentonite Spill Prevention and Management Plan do not specify the need for either a scientist/biologist or divers. Are divers and a scientist/biologist required?

Response 34: In the event of a frac-out, the Contractor shall comply with all requirements of the FDEP and ACOE permits. Personnel required to achieve compliance is the Contractor's responsibility.

Question 35: Are the 320 day and 410 day completion times substantial completions or final completions?

Response 35: Final Completion.

Question 36: Reference specifications Section 02619, page 119/150, par. 1.04, QUALIFICATIONS, sub-par. A, this paragraph instructs us to submit with our bid, qualifications of the drilling contractor, I do not see a form in the bid documents for this purpose and feel there should be one, can the Contract Specialist prepare one and issue in an addendum?

Response 36: All bidders shall provide the information for the Horizontal Drilling Contractor in items 13 and 14 of the Contractor's Questionnaire that is included in the Bid Documents, attaching additional pages as necessary.

Question 37: Does the County have somewhere we can dispose of drilling fluid?

Response 37: Contractor shall be responsible for locating an approved facility and paying any fees required for the disposal of the drilling fluid.

Question 38: Will the Contractor be responsible for County inspector fees for overtime work? The HDD may require 12-hour workdays.

Response 38: The County will not back charge costs to the contractor for an inspector's overtime for the horizontal directional drilling.

Question 39: Spec Section 00010, Page 8, Item A.22. Are we to read this as this job will be tax exempt? The wording is somewhat ambiguous.

Response 39: Please refer to Article A.22, Taxes, on page 00010-8 of the Bid Documents.

END OF ADDENDUM #2

Bids will be received at Manatee County Purchasing, 1112 Manatee Avenue West, Bradenton, Florida 34205 until **Friday, November 8, 2013 at 3:00 PM.**

Sincerely,

A handwritten signature in black ink, appearing to read "Melissa M. Wendel" followed by a flourish and the word "for".

Melissa M. Wendel, CPPO
Purchasing Official