



PROCUREMENT DIVISION

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ADDENDUM 1

ITB 11-12-105

ECR Flow Equalization Basin Return Flow Piping System Improvements

Each recipient of this Addendum acknowledges all of the provisions set forth in the Invitation to Bid and agrees to be bound by the terms thereof.

This addendum shall modify, clarify, change or add information and become part of the above referenced Invitation to Bid.

This addendum shall:

1. Provide answers to questions received.
2. Provide nine (9) revisions.

1. QUESTIONS AND ANSWERS:

Question 1:

On Sheet 2 of the plans, the west side of the road is unpaved and is proposed to be paved on Sheet 4. For these areas that are outside the proposed pipe trenches, is the existing rock road sufficient for the new pavement (i.e. all that's required is to prime and asphalt pave) or will that portion of the road be a complete roadway reconstruction (i.e. subgrade, base, prime, asphalt pave)?

Answer 1:

All of the roadway reconstruction north of the concrete flow channel as shown as "Proposed Paved Areas" shall be a complete reconstruction in accordance with the "Asphalt Pavement Section Outside Trenched Areas" detail located on Sheet 10 of the Plans. Due to the extent of the proposed trenching and because the existing subgrade and rock portion of the road is inadequate, the existing road and base shall be removed and replaced in this area.

Question 2:

On Sheet 4 of the plans on the "Roadway Restoration Notes", Note # 2 states "Low strength flowable fill or other approved material shall be required between multiple adjacent pipes in order to achieve the required compaction". Is the intent to have a complete pipe encasement? More information is required to accurately price. Please provide a detail to display the required extent/configuration of the flowable fill (i.e. Height above and below pipes, etc...). Please provide flowable fill material specifications, including minimum acceptable strength.

Answer 2:

The Contractor shall use low strength flowable fill or other approved material where it is not possible to compact soil using traditional methods due to space constraints. The extent of material required will vary based upon the means and methods of compaction used. The minimum acceptable strength of the flowable fill shall be 500 psi. If flowable fill is used, it shall be placed to the top of the uppermost pipe.

Question 3:

On Sheet 10 of the plans, on the “Asphalt Pavement Section Outside Trenched Areas” detail, “Concrete Curb or Curb & Gutter” is shown, but is not depicted on the plan pages. Is this required? If so, what is the extent?

Answer 3:

The “Asphalt Pavement Section Outside Trenched Areas” detail is a City of West Palm Beach standard detail depicting asphalt repair in both areas with and without curb and gutters. There is no concrete curb and gutter that must be replaced as part of this project.

Question 4:

On Sheet 10 of the plans, on the “Asphalt Pavement Section Outside Trenched Areas” detail, “Base: 12-inches Limerock” note is specified both on the plans and in the specifications. Most of the existing road base is Recycled Crushed Concrete, is this material still an approved equal?

Answer 4:

All roadway base shall meet the requirements of FDOT Standard Specification Section 911 as specified in Paragraph 2.01 A of Specification Section 02510 – Asphaltic Pavement and Base. If the Contractor tests and provide test results that clearly indicate that the existing material uniformly meets the requirements of Section 911 of the FDEP Standard Specifications, then the material will be approved for use as road base.

Question 5:

On Sheet 10 of the plans, on the “Pigging Procedure” detail, we are normally only required to pig water main pipelines, are these wastewater pipelines required to be pigged as well? If so, is the intent to have a 36-inch pigging wye permanently installed?

Answer 5:

The pipelines are required to be pigged and/or flushed as required by the detail. The pigging feed and collection ports shall not be permanent installations and shall be removed upon successful completion of the pigging operations.

Question 6:

On Sheet 10 of the plans, on the “Pavement Replacement at Pipe Trench Detail”, Note #2, states “Replacement base material shall be twice the thickness of the original base, or 12-inches, whichever is greater.” There are no terms to recover material and labor costs if doubling the existing base equals a thickness greater than 12-inches. Therefore, what is the existing/original road base thickness?

Answer 6:

For the purpose of bidding assume the existing road base is 12 inches thick.

Question 7:

Where can the sewage from the existing 48-inch and 12-inch mains be disposed of during the tie-in process?

Answer 7:

The Contractor can pump the sewage from the existing mains into Aeration Basin No. 6 located directly east of the Equalization Basin. It is the Contractor’s responsibility to provide the temporary pump, piping, and all other equipment and labor necessary for this operation.

Question 8:

Will the WWTP personal handle all shut downs or will any line stops be required?

Answer 8:

No line stops will be required. ECRWRF staff shall prevent flow from entering the 48-inch and 12-inch pipelines during the time the EQ basin will be out of service. The Contractor shall coordinate all tie-ins with the Owner and Engineer.

2. REVISIONS:

Revision 1: Amend Section 2, Paragraph 8 a of the Invitation to Bid as follows:

The Contractor shall schedule all construction that requires that the flow equalization basin be taken out of service to occur between April 20, 2012 to June 30, 2012. **The 48-inch fill pipe will be out of service on April 30, 2012 and will remain out of service until June 30, 2012. The eight 12-inch mains will be out of service from May 15, 2012 through June 30, 2012.**

Revision 2: Delete the existing B3 Schedule of Bid Items in its entirety and **Replace** it with the attached revised B3 Schedule of Bid Items.

Revision 3: Add Paragraph 3.01 F of Specification Section 01025 – Measurement and Payment as follows:

BID ITEM NO. 8 – RESTRAINT OF EXISTING 12-INCH PIPE

This bid item includes all materials, equipment, and labor and costs for restraining existing 12-inch ductile iron pipe as required by the Contract Documents and shown on the drawings. This item shall include excavating, backfilling, compacting, grading, testing, dewatering, restraints, and appurtenances necessary to adequately restrain existing pipe.

Revision 4: Add Paragraph 3.01 G of Specification Section 01025 – Measurement and Payment as follows:

BID ITEM NO. 9 – RESTRAINT OF EXISTING 48-INCH PIPE

This bid item includes all materials, equipment, and labor and costs for restraining existing 48-inch ductile iron pipe as required by the Contract Documents and shown on the drawings. This item shall include excavating, backfilling, compacting, grading, testing, dewatering, restraints, and appurtenances necessary to adequately restrain existing pipe.

Revision 5: Amend Paragraph 1.04 G of Specification Section 01041 – Project Coordination as follows:

Coordinate with other adjacent contractors. Contractor is notified that another contractor will be making structural repairs to the equalization basin located immediately adjacent to the proposed Work during the same period of time as this Contract. The structural repair work includes draining the basin to seal leaks in the base slab and chipping and patching existing deteriorated concrete on columns, beams, decks, walkways, etc. It is anticipated that the structural repair contract duration will extend from February 2012 through August 2012. Also, it is expected that the equalization basin will be emptied by others and taken out of service on or about April 30, 2012 and will remain out of service through approximately June ~~15,30~~ 2012. These dates are subject to change.

Contractor shall coordinate all work with the structural repair contractor including, but not limited to, deliveries, laydown/storage areas, access, temporary utilities, restoration, etc. In addition, in order to minimize the number of times the equalization basin is taken out of service, Contractor shall coordinate and perform the required tie-ins to the eight 12-inch underground wastewater lines, the tie-in to the 48-inch pipe, the installation of the proposed plug and check valves in the valve vault, and, if possible, the installation of the 36-inch and 24-inch buried valves and associated piping and fittings while the structural repair contractor has the equalization basin out of service (~~04/30/2012 to 06/15/2012~~). **The 48-inch fill pipe will be out of service on April 30, 2012 and will remain out of service until June 30, 2012. The eight 12-inch mains will be out of service from May 15, 2012 through June 30, 2012.** Prior to others filling the equalization basin and putting it back in service on or about ~~06/16~~ **07/01**/2012, Contractor shall re-connect at least four existing 12-inch wastewater pipes that run to the valve vault, replace the existing valves in the vault, and install permanent valves or temporary plugs on the ends of the new 12-inch and 36-inch pipes so Owner can, on a daily basis, fill the basin using the existing 48-inch pipe and empty the basin using at least 4 existing 12-inch lines. Contractor shall develop and submit a detailed schedule of his intention to perform this work while the equalization basin is out of service during the period described herein.

If the 36-inch and 24-inch plug valves are not available during the time the basin is out of service, the Contractor will be required to coordinate another period that the basin will be taken out of service to install these valves and associated piping and fittings. Contractor shall schedule this work so as to minimize the amount of time the basin is out of service and the work may need to be completed during overnight, low flow periods.

Revision 6: Amend General Note No. 6 on Sheet 4 of the plans as follows:

Contractor is advised that equalization basin will be taken out of service for structural repairs from 4/30/12 to 6/~~15~~ **30**/12. **The 48-inch fill pipe will be out of service on April 30, 2012 and will remain out of service until June 30, 2012. The eight 12-inch mains will be out of service from May 15, 2012 through June 30, 2012.** Contractor shall coordinate all deliveries, laydown areas and work with structural repair contractor. Reference specifications for work to be done while basin is out of service and for requirements related to coordination with other contractors.

Revision 7: Amend General Note No. 6 on Sheet 5 of the plans as follows:

Contractor shall schedule work so that the connection to the 48" EQ basin influent main is completed while the EQ basin is down for repairs between **04/30/2012** and **06/30/2012**. All tie-in work and associated testing and temporary 36" plug or permanent 12" plug valves shall be installed on new piping so that the basin can be put back in service. Contractor is required to drain the existing 48" pipe and dispose of waste collected in accordance with all federal, state and local requirements. Coordinate all tie-ins with ECR and Engineer.

Revision 8: Replace Sheet 8 of the plans with the attached revised Sheet 8.

Revision 9: Replace Sheet 10 of the plans with the attached revised Sheet 10 detailing the air release and air/vacuum release valve assemblies

All other information remains the same.

Bidders must acknowledge receipt of this Addendum 1 in the space provided below. This Addendum forms an integral part of the documents and therefore must be executed. Failure to return this addendum with your bid submittal may be cause for disqualification.

Issued By: City of West Palm Beach
Procurement Division
December 8, 2011

Issued By: Althea Pemsel
Althea Pemsel, MA, C.P.M.
Procurement Official

BIDDER: _____

Signed By: _____

Print Name: _____

Title: _____

Date: _____

End of Addendum 1