

Addendum IV Reedy River Basin Sewer Tunnel RFB

Posting Date: October 3, 2017

See revisions to the RFB, Specifications, and Drawings in the attached Addendum IV - Contract Revisions.

1. **Q:** Can the open cut DIP sewer at the drop shaft site that runs from manhole 400C-66 to manhole 400C-68A (sta. 1+65.63 to 8+62.44) be installed and placed into service prior to connection to the final leg that runs to the diversion structure (sta. 0+00 to 1+65.63). Flow would continue to run through the existing sewer downstream of 400C-66 until the diversion structure to 400C-66 section is completed and ready for use.

A: Refer to Section 01015 - Project Requirements, Paragraph 7.01.02. Upstream Connection. No alternative project sequencing will be pre-approved prior to the submission of the Contractor's Progress Schedule in accordance with Section 01310 - Construction Progress Schedule or individual Plans of Action described in Section 01015 - Project Requirements. Note that the brief description provided would create an 18-inch sump allowing solids deposition for 700 feet of piping. Refer to Drawings Y02 and C11 for invert information regarding the DIP sewer line from MH 400C-66 to MH 400C-68A. Existing facilities must be kept in continuous operation throughout the construction period, and no interruption or degradation of service will be permitted which adversely affects the degree of service provided.
2. **Q:** Are digital images sufficient for all preconstruction, post-construction, and construction phase photos? Negatives are typically not available from current camera and drone technology.

A: Refer to Addendum IV - Contract Revisions, regarding changes to Section 01380 - Construction Photographs. Digital photographs will be required in a compact disc format.
3. **Q:** Will prints also be required of digital images submitted or are the digital copies required to be printed and bound?

A: Refer to Addendum IV - Contract Revisions, regarding changes to Section 01380 - Construction Photographs. Digital photographs will be required in a compact disc format.
4. **Q:** Drawing C13 calls out "60 DIP" between the proposed Junction Box 590A and existing MH 590, but drawing S06 calls out "60" RCP. Please clarify what pipe is to be used.

A: Refer to Addendum IV - Contract Revisions, regarding changes to Drawing S06. This shall be ductile iron pipe (DIP).

5. **Q:** Will DHEC certification be required prior to allowing sanitary sewage flow through sections of the system?

A: Refer to Paragraph 2.03 of Section 01650 - Startup Requirements regarding sanitary sewerage service, which states: "No facilities shall be placed into operation without an Approval to Place in Operation from SCDHEC."

6. **Q:** Specification 02425, 2-1.03, requires that the TBM cutterhead be configured to permit probe and grout hole drilling. We cannot find a requirement to probe in-advance of the TBM. Please clarify if probing is required.

A: Per Section 02425.2-1.03, TBM shall be configured to permit probe and grout hole drilling. However, probe drilling is not required as a normal operation and Contractor does not have to price probe drilling in their bid, only the ability to probe drill as a contingency measure. Consequently, probe drilling and probe drilling records are not required as part of the base bid. If subsurface conditions are discovered during tunnel excavation that require the use of probe drilling, records shall be kept and submitted to Engineer in accordance with Section 02425 - Tunnel Excavation.

7. **Q:** Specification 02425,1-4.05,e,(7) requires that records for probe drilling during mining be kept. We cannot find a requirement to probe in-advance of the TBM. Please clarify if probing is required.

A: See response to Question 6.

8. **Q:** The GDR references a tunnel rib support/channel for the tunnel in the shear zone on page 4-4. However this is not called out in the bid items from page 00400-02 of the specifications. We understand this to be inclusive of the 300LF of the tunnel channel support on the bid items, please advise on this and if this is meant to be a 360 degree coverage on the tunnel excavation.

A: Correct, this is to be inclusive of the 300 LF of tunnel channel support indicated on the bid item and shall be assumed as 360 degree coverage on the tunnel excavation.

9. **Q:** Reference spec section 02445-3-2.01.a – This section mentions that both shafts shall be excavated with pre-excavation watertight methods. Will a liner plate shaft method (with gaskets) be permitted for the overburden protective system even though it is not a 'pre-excavation' method?

A: Refer to Addendum IV - Contract Revisions, regarding Section 02445. Gasketed liner plates will be acceptable.

10. **Q:** On page 01500-1, section 01500 2. says, "The Contractor shall provide offices for the Engineer in a trailer separate from the Contractor's offices. The Engineer's offices shall be onsite and fully operational within one month after Notice to Proceed..." In our experience, the specified one month time frame is not enough for approved submittals, permitting, utility hook-ups, trailer set-up etc. for fully operational office trailers. Would ReWa consider extending that set-up period to 3 months?

A: Refer to Addendum IV - Contract Revisions, regarding Section 01500 - Temporary Facilities.

11. **Q:** On page 01500-1, section 01500 2. says, "[The offices] shall remain fully functional for one month after Final Completion." Considering the following conflicting constructability points:

- The Greenville Zoo milestone ends 84 days prior to Final Completion, yet the trailers cannot be removed for one month after Final Completion (per section 01500)

Can the Greenville Zoo milestone be moved to 15 days after Substantial Completion to resolve the conflict described above?

A: There are no changes to the Contract Times as set forth in Section 00400 - Bid Form, Article 6, and Section 00500 - Agreement, Article 4. The Contractor shall be responsible for the maintenance of Office for Engineer at Site of Work for the duration of the Project in accordance with Section 01500 - Temporary Facilities. There is no requirement for the Offices of Contractor and/or Engineer to be located adjacent to the Access Shaft for the duration of the Project. Any temporary facilities established at the Access Shaft location that will be required after the Cleveland Park Milestone shall be relocated.

12. **Q:** Please consider a contract extension of six months.

A: There are no changes to the Contract Times as set forth in Section 00400 - Bid Form, Article 6, and Section 00500 - Agreement, Article 4.

13. **Q:** We request a one month time extension of the bid date.

A: Bid date shall be October 17th as indicated in Addendum III.

14. **Q:** Addendum No. 2 states that the two previously required EPA forms (6100-4 and 6100-3) are suspended. Does this mean that we should omit these two items (#s 8 and 9) from the list of DBE Compliance Documentation required (7 calendar days post bid)?

A: Correct. EPA forms 6100-4 and 6100-3 are not included in the required documentation 7 days after Bid.

15. **Q:** Are all DIP joints to be restrained or only where noted on the plans?

A: Refer to Addendum IV - Contract Revisions, regarding Section 02620 - Ductile Iron Pipe. Restrained joints are only required where indicated on the Drawings.

If you have any questions and/or concerns, please do not hesitate to contact Julie Dacus at julied@re-wa.org or Stephanie Selman stephanies@re-wa.org.