



City of Austin

PUBLIC WORKS DEPARTMENT

Project Management Division

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July 29, 2015

PROJECT: Harris Branch Interceptor Lower 'A' and Siphon Line Decommission

CIP ID: 4769.010

IFB# 6100 CLMC541

SUBJECT: Answers to Bidders Questions as of the date of this letter, per 00100-IFB Article 1.(3)(C).

Q-1: Is a geotechnical report available?

A-1: The bidders attention is directed to:

Geotechnical Data Report and Geotechnical Baseline Report located in the project manual under section 00220.

Q-2: When is the deadline for questions?

A-2: Questions are accepted up to 7 days prior to bid opening date. See Section 00100.1.h in the project manual.

Q-3: When an addendum is posted, if a bidding contractor has questions over the content within an addendum, what is the deadline for questions related to the addendum?

A-3: Questions are accepted up to 7 days prior to bid opening date. See Section 00100.1.h in the project manual.

Q-4: When do you anticipate issuing the first Addendum?

A-4: See Addendum 1 issued 7/22/2015.

Q-5: Was the design survey laid out by GPS or leveled?

A-5: For the survey, the traverse loop was run with a closed level loop, using differential leveling.

Q-6: For consistency amongst all bidders, will the Owner/Engineer disclose all permits, and their fees, the contractor will be required to procure prior to construction.

A-6: See Section 00700.6.6. and Section 00810 in the project manual.

Q-7: The construction entrance on plan sheet 4 of 47 (for Lower "A") has a note that states the entrance will be installed by others. Who will be constructing this entrance? Who will remove this entrance? Note, after driving by the site the topo shown on sheet 4 of 47 for the construction entrance

isn't representative of what's there. Sheet 5 of 47 has a better idea of actual topo along the proposed construction entrance but isn't consistent throughout.

A-7: Addressed in Addendum 1.

Q-8: Has TxDOT approved the driveway permit for the construction entrances located on Parmer Ln (sheet 8 of 47)?

A-8: TxDOT issued construction access permits for Parmer Lane and SH130.

Q-9: Will the Owner/Engineer consider upsizing the diameter of the casing? If casing isn't upsized and the contractor has the bell or coupling touching the flow line of casing you only have the following space between outside of bell and inside of casing:

- o 30" PVC in 42" casing:
 - +/-4.25 – 4.75 depending on pipe manufacturer
- o 30" FRP in 42" casing
 - +/-7.35" depending on FWC coupling thickness
- o 36" PVC in 48" casing:
 - +/-1.25" depending on pipe manufacture
- o 36" FRP in 48" casing:
 - +/-7.05 depending on FWC coupling thickness

A-9: The casing size shown on the plans is the minimum required casing diameter. The encasement pipe will need to be sized appropriate to the tunneling method selected by the contractor.

Q-10: Will the Owner/Engineer allow the use of Liner Plate?

A-10: See Section 02440 Tunnel Ground Support requirements.

Q-11: Based on initial plan review, it appears that the contractor only has a 50' easement to work in? Is this correct?

A-11: See plans from the dimensions of the permanent wastewater easements.

Q-12: Based on initial plan review, it appears that all pre-cast manholes are comprised of polymer concrete, is that correct? If so, who is the approved manufacturer? We can't find them on the City of Austin's SPL (standard product list).

A-12: See Special Specification 1050 and Addendum 1 for pre-cast manhole requirements.

Q-13: Please confirm all polymer concrete manholes are to be coated with 80 mils of Raven 400 series coating.

A-13: See Special Specification 1050 and Addendum 1 for pre-cast manhole requirements.

Q-14: Does the Owner/Engineer know the weight of the polymer manhole sections? If so, would you mind providing the weights of the bases/sections to the contractors? We've heard they're extremely heavy.

A-14: Contractor can contact approved manufacturer's for information on weight.

Q-15: Are pre-cast extended bases needed on polymer concrete manholes?

A-15: See sheet 37 of 47 and Addendum 1 for manhole details.

Q-16: Please confirm Boyce Ln. is designed to be open cut?

A-16: Boyce Lane may be open cut for the installation of the 12-inch wastewater line. Contractor must bore/tunnel the 30-inch wastewater line under Boyce Lane.

Q-17: Can PVC pipe be used as carrier pipe in the tunnels?

A-17: Pipe materials shall be as shown on the plans and as modified by Addendum 1.

Q-18: In regards to bid item #591S-B “Dry Rock Riprap (D50 = 18”)”, what is the minimal diameter, or weight, that’s acceptable to use?

A-18: See Specification 591S and Addendum 1 for Rock Riprap requirements.

Q-19: Will the City of Austin provide the decals for the project sign?

A-19: No.

Q-20: Please confirm hand-mining is an approved method for tunneling on this project.

A-20: Refer to Geotechnical Baseline Report for tunneling methods.

Q-21: Please confirm the City of Austin will provide all construction material testing.

A-21: See Section 00700 paragraph 13.3 for Testing and Inspection requirements.

Q-22: Please confirm the Contractor will be required to submit formwork drawings signed and sealed by an engineer for cast-in-place structures.

A-22: Refer to Specification 410S for Concrete Structures.

Q-23: Is 100% redundancy required for bypass pumping operations?

A-23: Refer to Special Specification 1540 for Bypass Pumping required for Wastewater and Special Specification 1000 for Cofferdam Dewatering System for Storm water.

Q-24: Is it correct to assume the Contractors General Superintendent, if qualified by experience, can double as the tunnel expert and grouting expert?

A-24: Refer to Special Specification 02430 for tunnel excavation requirements. Section 1.08 provides requirements for Tunnel Project Manager and Tunnel Engineer. Refer to Special Specification 03330 for low density cellular concrete requirements. Section 1.04 provides requirements for Cellular Concrete Expert.

Q-25: Will the owner/engineer allow 24-hour tunneling operations?

A-25: See Section 00700 paragraph 1.49.1.

Q-26: Should the unit of measure for cast-in-place structures be lump sum (“LS”), not each (“EA”)? A unit of measure “EA” indicates the contractor will not be paid for any portion of work until the structure is 100% complete while “LS” indicates the contractor will be able to bill progress payments as the structure/s is built (example: 40% slab, 40% walls, 15% top, 5% testing/coating, or something similar).

A-26: Unit of measure is Each (EA).

Q-27: Please confirm polymer concrete manhole are to be coated with an approved COA interior coating system.

A-27: See Special Specification 1050 and Addendum 1 for pre-cast manhole requirements.

Q-28: Will the contractor be required to submit an individual trench safety plan for each specific shaft/shoring system?

A-28: Refer to Special Specification 02400 for Access Shaft submittal requirements.

Q-29: Please confirm the minimum compressive strength requirement of cellular concrete to be 500 psi in 28-days.

A-29: Please refer to Special Specification 03330 for low density cellular concrete requirements.

Q-30: Please confirm the concrete for the cast-in-places structures to be COA Class “A” concrete (3,000 psi in 28-days).

A-30: Refer to Structural Notes sheet 37/47 in plan set and Addendum 1 for concrete requirements for concrete structures.

Q-31: Plan sheet 16 of 47 indicates the contractor is to connect to an existing manhole. Does this manhole contain a bulkhead at the inlet or a stubbed piece of pipe with an end cap that will have to be removed?

A-31: The existing manhole contains a stubbed piece of pipe with an end cap.

Q-32: Will the contractor be required to vac. test an existing manhole once the new connect is made?

A-32: No.

Q-33: Is the intent of bid items #SS02450-30 & SS02450-36 only for carrier pipe? If so, and the contractor elects to use PVC for open-cut, how is the contractor to connect the two pipe types together? Or, do bid items #SS02450-30 & SS02450-36 account for pipe within casing from manhole-to-manhole?

A-33: Special Specification 02450 defines the wastewater pipe to be installed in tunnels. Specification 505S defines encasement pipe. Changes in pipe materials may only occur at manholes.

Q-34: Please confirm 1-gallon & 5-gallon plants associated with bid items #SP608S-BG & SP608S-TR are available year-round. If not available year-round, will the owner/engineer allow for a substitution based on the season during restoration/revegetation?

A-34: See specification 604S, 608S, and 609S for planting and seeding requirements.

Q-35: Please confirm the COA will provide CCTV inspection once the pipe is ready to be televised as per 510.26.d – Pipeline settlement test (page 51 of section 510-Pipe).

A-35: Refer to Specification 510S section 26 for quality testing for installed pipe requirements.

Q-36: Due to this project being a ROCIP project, please confirm that the contractor will be required to have an on-site safety rep. whenever pay item work is being performed.

A-36: Yes.

Q-37: Does the owner/engineer know if there are any transformers within the limits of the project that could supply power to the jobsite trailer? If so, can the owner/engineer provide the name of the utility owner (i.e., Bluebonnet, Austin Energy, etc...).

A-37: See Section 0700 of the project manual for general requirements summary.

Q-38: How is the contractor to gain access to the site on sheet 20 & 21? There are tunnels under wetlands on either side.

A-38: Access is provided through the permanent easement.

Q-39: What does the line hatching mean between stations 76+75 – 77+00 (sheet 26) & 80+00 – 80+50 (sheet 26), we can't find this line hatching on any of the keys?

A-39: See sheet 9 of 47 for clarification of hatches.

Q-40: Please confirm the approved manufactures of polymer concrete manholes to be US Composite & Geneva Polymer.

A-40: See Special Specification 1050 and Addendum 1 for manhole requirements.

Q-41: Contractor Note #7 on sheet 2 of 47 indicates all slopes 5:1 or steeper shall be covered with ECB following seeding; please confirm these areas will be paid through bid item #605S-A and, if needed, and over-run will be granted pending actual site conditions.

A-41: Refer to Section 00100 for Instructions to Bidders and Section 00700 for General Conditions.

Q-42: Please confirm the intent of section 01050.9; it's not clear if this section is referring to the red lines or an as-built set of plans signed and sealed by an independent RPLS.

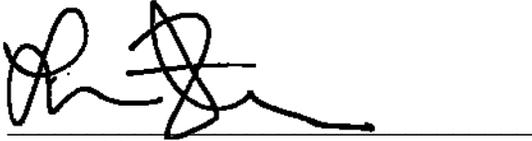
A-42: Refer to Division 1, General Requirements, Section 1.

Q-43: Please confirm the permanent easement width for the 12" PVC SDR26 SS to be 20' wide (14' & 6' either side of center of pipe).

A-43: There is a 20-ft permanent easement for the 12-inch wastewater line.

Q-44: Is the project team aware that most excavators needed to install the 12" PVC SDR26 SS line have a track width of 14' (+/-); and if the excavator is setting on centerline of pipe one of the tracks will be outside the Limits of Construction (LOC)? Will the City of Austin purchase additional easement width?

A-44: The City of Austin will not purchase additional easement width.

A handwritten signature in black ink, appearing to read 'Lisa Whitworth', is written over a horizontal line.

Lisa Whitworth
Project Manager

c: Alexis Woffenden, PE, Chan & Partners Engineering, LLC.
Sofie Johnson, Contract Management Department
Yvonne Gil-Vallejo, Austin Water Utility
project file