



Request for Bid
Old Loos Hwy 51 Emergency Sewer Line Replacement Addendum # 2 to
RFB No. 179821.71.0405
June 05, 2015



The following information encompasses Addendum # 2 for the above referenced RFB. Bidders shall fully consider and acknowledge this Addendum in the preparation and submittal of its formal Bid. Failure to do so may result in the rejection of the Bid.

Section 1 – Pre-bid Meeting Questions and Replies

Section 2 – Additional Questions and Replies

Section 3 – Updated 00370 Commercial Bid Form

Section 4 – MLG&W Utility Maps

Section 5 – Links to Geotechnical Report and Project Plans

Section 1: Pre-bid Meeting Questions and Replies

Q1: Is the bypass pump located in our construction easement?

SARP10: No, the bypass pump is located on the other side of Highway 51.

Q2: You mentioned water proofing the manholes and providing corrosion resistance. Will the corrosion resistance include an epoxy coating in addition to the admixture to the concrete to prevent corrosion?

SARP10: The corrosion resistance admixture will be in the concrete. No additional corrosion coating is required. Waterproofing on the exterior of the manholes shall be provided as specified.

Q3: If we have to excavate additional material beneath the pipe, will there be additional compensation for the undercut and related foundation material?

SARP10: Yes, a line item is provided on the Bid Form for Undercut Backfill.

Q4: What is the backfill material requirement for the unimproved areas?

SARP10: In general the suitable on-site material removed during excavation can be used for backfill. If unsuitable material is encountered during excavation, engineering judgment will be used at that time to resolve the issue.

Q5: What type of backfill material do we use for the undercut?

SARP10: See specification Section 02530.

Q6: If the contractor disturbs any improved areas on site of the storage facilities is there a restoration cost included in any of the bid items?

SARP10: The intent of the design is to jack and bore the pipe through the improved area of the mini-storage site as to not cause any surface disruptions.



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Q7: You mention offsetting the line near the storage facility. What is the distance of the offset?

SARP10: The distance from the centerline of the existing pipe to the centerline of the new pipe is 10'

Q8: How do you expect the contractor to bore under Watkins using the existing location? We believe we may also have to offset this pipe section as well. Also the 10' offset is tight can we increase the offset?

SARP10: See the revised plans which show the new alignment for the crossing under the stream and Watkins. However, the alignment shown across the mini-storage must remain at 10' (see related question and response above).

Q9: Can we move the manhole back off the median on Watkins so we won't have to sheet pile the near the street?

SARP10: See revised plan sheet.

Q10: Can the low bidder be someone who is not qualified yet in the SARP10 program?

SARP10: In order for SARP10 to accept and open a bid the bidder must be in the process of becoming pre-qualified with SARP10 by June 4th, as stated in Addendum 1. The low bidder shall obtain full approval as a vendor before a contract will be executed.

Q11: When we abandon a manhole should we fill it with sand or concrete?

SARP10: See revised notes on the plans.

Q12: Will there be any transition on the manhole? Do you want us to have the 6' diameter all the way to top of the manhole frame and cover?

SARP10: See revised notes on the plans.

Q13: For the sewer in jacked liner will you be including the price of spacers?

SARP10: Bidders should include all labor and materials related to the installation of the encasement and carrier pipes (including spacers and resilient connectors) in the line item entitled "Sewer in Jacked Liner."

Q14: Who will verify the elevation of the casing under Highway 51?

SARP10: The contractor.

Q15: If s sub is a minority woman does it count for both MBE & WBE?

SARP10: No, they have to be MBE or WBE, they cannot be both. However, if a vendor is on the City's EBO list, they qualify for both the SRF Fair Share goal and the City's M/WBE goal.

Q16: The plans and advertisement state that the pipe material to be used is Hobas. Are other pipe materials acceptable?

SARP10: See updated plans which reference Glass Fiber Reinforced Polymer Mortar Pipe.



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Q17: Will you consider using plastic pipe to make the bid more competitive?

SARP10: No.

Q18: What type of documents will we have to submit for the bid?

SARP10: Please refer to RFB for required documents.

Q19: What do you want in the digital submittal?

SARP10: Please refer to RFB for required documents.

Q20: Do we have compaction requirements in the unimproved areas?

SARP10: Refer to Specification Section 02530.

Q21: Do you consider the trench a confined space?

SARP10: Yes it is considered a confined space.

Q22: Will you require harnesses on the system for the trench?

SARP10: A means of fall protection is required when fall height is greater than 6'.

Q23: Do we need tie off when we get into the trench?

SARP10: Fall protection is required for access greater than 12' in climb height.

Q24: If our trench is deeper than 12' we required additional fall protection?

SARP10: A means of fall protection is required when fall height is greater than 6'.

Q25: What do we need for rigging for the excavator?

SARP10: A qualified rigger is required for all rigging.

Q26: What type of certification is required for the rigging excavator?

SARP10: Documented training on specific equipment.

Q27: Are you going by general industry OSHA standards or Construction?

SARP10: OSHA 1926 Construction Standards

Q28: Will the suppliers be required to attend safety orientation?

SARP10: No.



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Q29: What type of safety personnel do the contractors need on site?

SARP10: A designated competent person to address safety hazards and concerns.

Q30: Are you required to have a non-working attendant observing during a confined space entry?

SARP10: Yes.

Q31: Do you require mandatory daily morning safety meetings?

SARP10: Yes, STAs are required for each crew.

Q32: Is the weekly safety meeting held with the contractor and the SARP10 team?

SARP10: No, just with the contractor and subs.

Q33: Are there any special requirements for disposal of the pipes and manholes?

SARP10: All materials must be legally disposed of by the contractor. For bidding purposes, assume that the material in the pipe and the pipe and manholes themselves are non-hazardous.



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Section 2: Additional Questions and Replies

Q1: Please confirm if the use of a concrete admixture will be required for this project. I believe that ConShield Admix was talked about for use on this project. Will that be the product specified? Will an alternative produce such as Xypex C-1000 admixture be acceptable for use?

SARP10: Manhole pre-caster shall include an anti-microbial concrete admixture that prevents corrosion in all pre-cast manholes. Any additional touchup work conducted on the interior of the manholes (include filling in the lifting holes) shall be performed with a grout that contains anti-microbial admixture as well.

Q2: Will an interior lining that is currently required for sewers of this size be required in the manholes? Currently there are two approved methods of this: T-Lock PVC lining (which the timing of this project will prohibit) and Quadex Aluminaliner spray-on coating (which is applied after manhole installation).

SARP10: No other interior coatings or linings will be allowed on the interior of the manholes.

Q3: Will an exterior joint wrap be required at manhole joints? Also, what will be the width and thickness of the product if required. Conseal CS-212 info is attached which is a typical manufacturer used for this. They normally carry this in two widths (8" and 12") and two different thicknesses (0.065" and 0.100").

SARP10: A double mastic seal shall be used in all joints between precast sections of each manhole. An exterior joint wrap shall be used at all joints. Joint wrap shall be a minimum of 0.065" thick and 8" wide.

Q4: It appears that there is no access provided for the work to be done from stations 0+00 to 7+00. Entering from Watkins doesn't appear to be an option with the guard rail and steep slope. Will the Owner provide a temporary access easement for this section of the project?

SARP10: It is the Contractor's responsibility to acquire access easements from the property owners.

Q5: There is a chain link fence along Millington Road. Will the contractor have to keep this fence up for security purposes when it intersects the construction limits?

SARP10: It is the Contractor's responsibility to reach an agreement with the property owner to secure his property during construction.

Q6: Does the pipe have to be deflection tested prior to the 120 calendar day completion? If so, this would only allow the contractor 90 days to construct the pipe line.

SARP10: Deflection testing is required per the specifications. See revised contract milestone dates.

Q7: The available work space in the construction limits are greatly reduced from 17+50 thru 24+00 due to the Millington Road taking up a portion of it. Will the Owner provide more easement on the Mike Gilliland property to store the excavated material that will not fit in the currently provided construction limits? If this allowance is up to the bidder, it will be considered a great risk to the cost of the project.

SARP10: At this time we do not expect any extra easements on the Gilliland property. However, the Contractor will have access to the City of Memphis property north of the intersection of OK Robertson Road and Old Millington Road.

Q8: How long can Robertson Road be closed, if Millington Road is left open?

SARP10: Vehicular access to the Police and Fire Training Academy north of the work site along OK Robertson must be maintained at all times.



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Q9: Old Loosahatchie HW 51 Emergency Sewer Line Replacement' LEGAL NOTICE / REQUEST FOR BID in the second paragraph of page 1 states: "The Contractor will be replacing the current interceptor with 42" Hobas pipe." In Addendum #2, can you please retract that statement and restate with the following: "The Contractor will be replacing the current interceptor with 42" Glass Fiber Reinforced Polymer Mortar (FRPM) Pipe?" I know we discussed this at the Pre-Bid, but stating this in the Addendum will make the inclusion of Flowtite Official and eliminate any contractor' confusion. The wording with reference to one specific product indicates a "Sole Source Spec." Glass Fiber Reinforced Polymer Mortar Pipe (FW & CCF) is specified in the City of Memphis Standard Specifications and is listed on your Bid Form. The competition has taken documents similar to this and tried to re-instate their "old sole source spec" where they can. Please clarify that Flowtite Filament-Wound (FW-FRPM) Pipe is also specified for your Old Loosahatchie HW 51 Emergency Sewer Line replacement Project.

SARP10: See revised plans

Q10: CCFRPM PRINTED ON REVISED PROJECT DRAWINGS. On drawing numbers 7-8-9-10 of the project bid set, "PR 42 Inch CCFRPM" appears on the Profile View of the drawing where the new pipe is to be installed. CCFRPM is "Centrifugally Cast FRPM" or Hobas; Flowtite is "Filament-Wound FRPM." Can you please change this wording on the drawings from CCFRPM to FRPM? Brad, if I missed any other CCFRPM locations, please change those too. This will help clarify that there is pipe competition on your project.

SARP10: See revised plans. The plans call for Glass Fiber Reinforced Polymer Mortar pipe. HOBAS, Flowtite, and other manufacturers that meet the specification will be allowed on the project.

Q11: OLD GEOTECHNICAL REPORT FROM 1989. After Brad Davis left the meeting, Justin Avent said that there is "Geotechnical Report" from 1989 from close to the same area. Can you please forward that report to the bidders / suppliers?

SARP10: The geotechnical report is included as part of this addendum. Please note that this report is from 1989 and was not performed for this specific project. The area in this report is adjacent to the Loosahatchie River near Benjestown Road.

Q12: The specs show casing pipe wall thickness for sizes up to 42-in. What will be the wall thickness for 54-in & above?

SARP10: See revised plans.

Q13: As discussed in the pre-bid meeting, can the line be shifted to accommodate the new jack and bore casing at station 4+24.92 (Creek) & 6+98.61 (N. Watkins St.)?

SARP10: See revised plans.

Q14: In order to decrease the jacking pit depth on the south side of N. Watkins St. as well as jack both ways (North and South). Can the bore under north Watkins be increased approx. 60-ft in length to the south? This will decrease the depth of pit approx. 10-ft.

SARP10: See revised plans.

Note: The Bid Documents contain the City of Memphis Standard Construction Specifications. In the event of a conflict between the specifications and the drawings, the drawings shall govern.

MLG&W Utility Maps are included as part of this addendum



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Section 3: Updated 00370 Commercial Bid Form

The changes summarized:

1. Unit Pricing line item 02530-6.28 description changed to "Silt Fence".
2. 00370.2 Option/Alternate Pricing added to allow bidder to propose alternate design that may offer significant cost savings if technically acceptable.
3. 00370.7.1 Construction Milestone Completion Date changed to "150" Calendar Days after Notice to Proceed.



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Section 4: MLG&W Utility Maps



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Section 5: Links to Geotechnical Report and Project Plans

The Geotechnical Report can be downloaded at:

<https://www5.ibackup.com/qmanager/servlet/share?key=t69de60090>

The Project Plans can be downloaded at:

<https://www5.ibackup.com/qmanager/servlet/share?key=y2c9968708>