



**2020 CMOM Package 1 (Large Diameter)
SAWS Solicitation No. CO-00486
SAWS Job No. 20-4516**

**ADDENDUM 2
June 8, 2022**

To Bidder of Record:

This addendum, applicable to work referenced above, is an amendment to the bid proposal, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the bid proposal.

CHANGES TO THE SPECIFICATIONS

1. Remove and replace in its entirety REVISION TO STANDARD SPECIFICATION ITEM NO 901-REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE PIPE (HOT WATER OR STEAM CURED) with attached REVISION TO STANDARD SPECIFICATION ITEM NO 901-REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE PIPE (HOT WATER OR STEAM CURED).
2. Remove and replace in its entirety Statement of Bidders Experience Project A3 to allow 75 MGD capacity completed between year 2011 to 2021. Bidders shall use this revised version of the A3 Statement of Bidder's Experience when submitting a bid for this project.

RESPONSES TO QUESTIONS

1. Question 1

CIPP standard specification section 901.4-3.e.6 requires a soil modulus of 500 psi be used in the CIPP thickness designs, but this soil modulus is overly conservative and will produce CIPP thicknesses that are thicker than needed, which will increase the difficulty of installation and overall project cost. On previous projects, this section has been replaced with language saying the Contractor was allowed to submit calculations signed and sealed by a Texas Professional Engineer utilizing other values for soil modulus so long as those values were part of the sealed calculations, the calculation method complied with ASTM F1216, and the soil modulus utilized did not exceed 1,000 psi. Please confirm that the Contractor will again be allowed to use values other than 500 psi for the soil modulus on this project.

Response: See No.1 Changes to Specifications.

2. Question 2

The profile view of segment Compkey 983967 (MH 1181683 to 39557) on sheet 44 of the plans has the ground elevation exceeding the scale shown. Can you provide the depth of cover for CIPP designs that should be used for this segment?

Response: The depth of cover above the existing pipe (Compkey 983967, MH 1181683 to 39557, on sheet 44) is 43 feet.

3. Question 3

Can you provide flow data for the site 4 suggested bypass plan?

Response: The flow data for Site 4 is as follow.

Compkey	Pipe Diameter (in)	Average Dry Weather Peak (MGD)	Dry Weather Peak (MGD)	Wet Weather Peak (MGD)
980897	36	2.26	3.75	10.22
980898	27	1.78	3.03	10.93

4. Question 4

Project A-3 for the Statement of Bidders Experience is requiring a 150MGD bypass from 2016 to 2021. Bypasses of this size are extremely rare. Currently the largest size bypass on the 2020 CMOM Package 1 (Large Diameter), SAWS Job No. 20-4516, SAWS Solicitation No. CO-00486 project is 75 MGD. Can the qualification be dropped from 150MGD to 75MGD? If not can the duration for a 150 MGD bypass be extended from 2011 to 2021 instead of 2016 to 2021?

Response: See No.2 Changes to the Specifications.

5. Question 5

CIPP standard specification section 901.4-3.e.7 specifies that the groundwater to be used in the CIPP thickness designs shall be at the ground surface or the elevation of the 100-year floodplain, whichever is greater. On previous projects, this section has been modified so that the reference to floodwater being used as a design parameter has been deleted. Please confirm that the floodwater will again not need to be considered in the CIPP thickness designs, and that this section shall be modified to simply require the groundwater depth to be at the ground surface. If floodwater loading must be included as a design parameter, then please indicate which project locations this will apply and provide the elevation of the floodwater level to be applied.?

Response: The 100-year floor elevations shall be applied to the CIPP thickness designs where the CIPP pipes are located within the 100-year flood plains. The 100-year flood elevation at each site is as follow:

<u>Site Location</u>	<u>100-Year Flood Elevation (Feet)</u>
Site 1	866.00
Site 2	784.00
Site 4	697.00
Site 5	688.00
Site 6	Ground Elevation
Site 7	755.00
Site 10	Ground Elevation
Site 11	Ground Elevation
Site 12	Ground Elevation
Site 13	Ground Elevation
Site 14	Ground Elevation
Site 15	Ground Elevation

6. Question 6

Please clarify, as is customary, that a 500 psi soil modulus can be set aside and 1000 psi or other used in its place with 3rd party P.E. stamped designs for the CIPP.

Response: See response to question 1 above.

7. Question 7

Can bypass pipes be buried in lieu of road ramps? If no, then what if road ramps are not feasible for handling the prescribed flow volume?

Response: Contractor may submit RFI and submittal with their request to bury the sewer bypass pipes for the review by SAWS and engineer on a case by case basis.

8. Question 8

When and where appropriate, can flow be diverted into a parallel line with the understanding that the bypass capacity specified in the plans is set up and ready for operation?

Response: Contractor may submit an RFI and a submittal with their request to use parallel lines if not indicated in the plans, to SAWS and Engineer for evaluation on a case by case basis.

9. Question 9

If a manhole does not need to be deconstructed for the purpose of installing the CIPP, installing bypass or other construction task facilitation, then can those manholes be excluded from being reconstructed (Spec 855) and be rehabilitated only (Spec 910.1 or 910.2)?

Response: Contractor shall submit an RFI and a submittal to SAWS and Engineer for evaluation on a case by case basis.

10. Question 10

Are all the designated Point Repairs mandatory? If no, then state which ones may not be required.

Response: Points of repairs identified on the plans are based on locations where the existing defect may prevent successful installation of CIPP liner. Once contractor has completed pre-televising, Contractor may submit an RFI with recommendations on installation of the point repairs for the review by SAWS and engineer.

11. Question 11

Is all of the designated open cut pipe replacement mandatory? If no, then state what criteria will be used to make the determination.

Response: Once contractor has completed pre-televising, Contractor may submit an RFI with recommendations regarding rehabilitation method for the review by SAWS and engineer.

12. Question 12

We would like to bid the above project as a subcontractor, however the experience quals make it challenging as opportunities to build 150+ MGD bypasses are rare. I understand the nature of the experience qualifications are to ensure that SAWS receives proposals from competent and responsible contractors on complex projects such as this. We have consistently shown our capabilities through successful performance on SAWS' projects (many of them large diameter) over the past 5 years. In my experience, a 70+ MGD bypass is very similar in complexity to a 150 MGD bypass but as stated above, these opportunities are rare.

Regarding Project A-3 of the Statement of Bidders Qualifications, would SAWS consider project experience from bypasses of similar scope to the largest bypass in this project? Perhaps consider multiple successful projects at 70+ MGD or extend the window for the 150 MGD project experience requirement?

Response: See response to question 2 above.

END OF ADDENDUM

This Addendum, including these four (4) pages, is six (6) pages in its entirety.

Attachments:

1. Revision to Standard Specification Item 901-Rehabilitation of Sanitary Sewer by Cured-In-Place Pipe (Hot Water or Steam Cured).
2. Statement of Bidders Experience A3.


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6/8/2022

REVISION TO STANDARD SPECIFICATION ITEM NO 901-REHABILITATION OF SANITARY SEWER BY CURED-IN-PLACE PIPE (HOT WATER OR STEAM CURED)

Revise Item No.901.1 to read “Item No 901.1 Rehabilitation of Sanitary Sewer by Cured-In-Place Pipe (Hot Water). Delete all reference to steam cure. Steam curing is not allowed.

901.4 MATERIALS

For current paragraph 901.4 – MATERIALS DELETE section 901.4.3.e.6) in its entirety and REPLACE with the following:

901.4.3.e.6) *Soil Modulus:500 psi. A soil modulus up to but not exceeding 1000 psi may be used if documented site specific soil data (signed and sealed by a professional Engineer registered in the State of Texas) is provided with liner thickness design calculations required in 901.3 Submittals, Section 4.*

For current paragraph 901.4 – MATERIALS add the following:

901.4.5. *Hydrophilic End Seal Sleeves are required at each end of the pipe segment to be rehabilitated. LMK Technologies “Insignia” Hydrophilic end seal sleeve or Engineer approved equal shall be used.*

901.5 – CONSTRUCTION

For current paragraph 901.5 – CONSTRUCTION add the following:

12. *Hydrophilic end seals shall be placed at the manhole/wall interface in accordance with the end seal manufacturer instructions prior to CIPP installation.*
13. *Contractor shall grout existing ledges occurring at the spring line of Compkey 983571 prior to CIPP installation (Site 11). Surface preparation, equipment, tools, labor and materials required to complete grout application shall not be measured separately for payment and shall be considered subsidiary to the pay item for which it relates (Item 901).*

All other language in this specification 901 remains in full force.

END OF SECTION

Project A-3 is to have been completed by the Bidder.

- Project A-3 demonstrates installation of 75 MGD bypass for sewer mains of 60” in diameter.
- Project A-3 was completed from 2011 to 2021.

Project A-3 Description

Name of Project: _____ Location: _____

Scope of Work: _____

Pipe Sizes: _____ Pipe Lengths: _____

*Owner: _____

Owner Point of Contact (POC): _____ Owner POC Title: _____

Owner POC Phone Number: _____ Bid Amount: _____

Final Contract Amount: _____

Project Start Date: _____ Project End Date: _____

Additional Information: _____

*Owner is defined as the overall entity the project was for and owned by (i.e. City, County, Utility, State, etc.)

Bidder must provide a specific name with contact information that has been previously verified. The design engineer may not serve as reference for the Bidder.