



INVITATION TO BID #2018-81
COLLECTION SYSTEM REHAB-
SANITARY SEWER MAINLINE ("BID")
RESPONSE TO CLARIFYING QUESTIONS
October 9, 2018

Note that these are questions submitted by interested firms to the above referenced solicitation. The below answers are for clarification purposes only and in no way alter or amend the BID as published.

1. *Regarding specification section 02775-1.06-A: Can you confirm that a representative from the product manufacturer or assembler will in fact be required to be present on site for the first 5 installations?*

Answer: Please see Addendum #1, issued October 9, 2018.

Paragraph 1.06.A shall be revised to read: The Manufacturer or Assembler shall send a representative familiar with CIPP processes for a single visit to be on site for installation of the first run between two manholes.

2. *We assemble the flexible liner and resin at our wetout facility. Does the County consider us to be the assembler as well as the contractor in this case?*

Answer: This meets the criteria for assembler.

3. *Regarding specification section 02775-3.02-F: Can you confirm that a digital data logger will be required to continuously monitor cure parameters? The specs suggest standard thermocouples shall be used, and these typically are not paired with continuous monitoring devices/software. Continuous monitoring is typically used in conjunction with a full length temperature monitoring system. Additionally, thermocouples (remote locations or full length) can only measure temperature. I am not aware of a data logging device that can interface with both temperature and pressure sensors, automatically and continuously. Standard procedure is for personnel to monitor and record this data on a paper logging sheet.*

Answer: Please see Addendum #1, issued October 9, 2018.

Revise 02775 3.02.F to read: Temperature and curing data shall be monitored and recorded by the Contractor throughout the process in accordance with manufacturer's recommendation. This shall specifically include data from all thermocouples for incoming and outgoing water or steam supply and at the remote manhole. Submit information for each lining to the Engineer.

4. *Regarding specification section 02775-3.04-A-4: Can you confirm that the contractor will be required to actually perform chemical resistance testing on a field sample taken from a liner installed on this project? Typically, records of test results for the proposed materials are submitted, and the actual testing is not performed during the project itself.*

Answer: Please see Addendum #1, issued October 9, 2018.

Delete Paragraph 3.04.A.4. Refer to Paragraph 1.05. A.2 for certification of chemical resistance as stated in ASTM F1216, Section X2.

5. *I see UV is approved and that is great news. Question about the minimum thicknesses. UV engineered thicknesses come in much less than standard felt ---6mm in an 8" line is cutting*

down on capacity quite a bit. There is no actual UV spec. Can we bid as we normally would and use the thicknesses as stamped by the engineer?

Answer: Please see Addendum #1, issued October 9, 2018.

Paragraph 2.01 .G shall be supplemented by the following: Minimum thickness of UV liner, if approved shall be 3 mm for all installations with final thickness as stamped by the engineer.

Paragraph 2.04.A is clarified with the following: Design Thickness shall remain as stated with CIPP liner for Main CL8 having minimum thickness of 6 mm. Reduced thickness for a felt or non-woven material liner will not be acceptable.

6. *Question about having a manufacturer's representative onsite for the first 5 installs. Will this be for any contractor and for any system they use?*

Answer: Please see Addendum #1, issued October 9, 2018.

Paragraph 1.06.A shall be revised to read: The Manufacturer or Assembler shall send a representative familiar with CIPP processes for a single visit to be on site for installation of the first run between two manholes.

End of Clarifying Questions #1