



ADDENDUM NO. 1
BRIDGE CITY CENTER FOR YOUTH
SEWER SYSTEM RENOVATION
Project No. 08-403-11-01, Part 01

June 20, 2013

Section 01-10-00 Paragraph 1.3A1 Change to read:

This project is to renovate the main 8" sewer trunk lines with Cured in Place Plastic Pipe (CIPP), renovate all existing manholes with an epoxy resin coating system and replace all service connections (pipe) from the existing buildings (approx 5' from the slab) to the main 8" sewer trunk with new PVC pipe as shown on drawings. After the main lines are cleaned and videoed, point repairs are to be made and then a new pipe is to be inserted inside the old pipe and is cured in place. Using this renovation technique will minimize the disruption to the facility and along with manhole renovation sewer system is to be a "like new" sanitary sewage collection system.

Section 22-01-10.62 Paragraph 1.1D Change to read:

Contractor shall provide an independent third party inspector to perform inspections during the installation of the CIPP. **In-house Quality Control inspector or an in-house Engineer can be used in lieu of 3rd party inspector upon written notification to the Engineer of the inspector's identity and qualifications. If an in-house inspector is used, a notarized affidavit will be required attesting that s/he personally performed the inspection. Test results submitted by an in-house inspector must be notarized.** Testing and warranty inspections shall be executed by the independent third party inspector, **or qualified in-house inspector.** Contractor shall include the cost of the independent third party inspector in the lump sum bid.

Section 22-01-10.62 Paragraph 1.3A Change to Add:

ASTM –F1417 Standard Practice for Installation Acceptance of Plastic Non-pressure Sewer Lines Using Low-Pressure Air.

Section 22-01-10.62 Paragraphs 1.5B, 3.6A, 3.6B, 3.7B make the following change:

Replace "independent third party inspector" with "independent third party inspector, **or qualified in-house inspector.**"

Section 22-01-10.62 Paragraph 1.7C Change to read:

Contractor shall provide an independent third party inspector to perform inspections during the installation and testing of the CIPP. **In-house Quality Control inspector or an in-house Engineer can be used in lieu of 3rd party inspector upon written notification to the Engineer**

of the inspector's identity and qualifications. If an in-house inspector is used, a notarized affidavit will be required attesting that s/he personally performed the inspection. Test results submitted by an in-house inspector must be notarized. The inspector shall be approved by the selected manufacturer. The inspector shall also be knowledgeable of industry practices and be employed by a firm which is regularly involved in evaluation of CIPP.

Section 22-011-10.62 Paragraph 2.2 Add:

C. Contractor shall verify in writing that different lining products are to be free of compatibility issues that will hinder adhesion between the two products.

Section 22-01-10.62 Paragraph 3.6F Change to read:

All installed CIPP shall be tested using exfiltration or low pressure air. The exfiltration test shall be conducted in accordance with ASTM F1216. The low pressure air test shall be conducted in accordance with ASTM F1417. Safety Provisions for low pressure air test shall include: Securely brace the plugs used to close the sewer pipe for the air test in order to prevent the unintentional release of a plug, which can become a high velocity projectile. Locate gauges, air piping manifolds, and valves at the top of the ground. No one shall be permitted to enter a manhole where a plugged pipe is under pressure 4 pounds (gauge) air pressure develops a force against the plug in a 12-inch diameter pipe of approximately 450 pounds. Provide a safety release device set to release at 10 psi between the air supply and the sewer under test. Repairs and adjustments necessary due to extenuating circumstances (i.e. pipe joint, liner, plug sealing) should be made. Retesting shall proceed until a satisfactory test is obtained. Regardless of the outcome of any test, repair any noticeable leak.

Section 33-39 13.61 Paragraph 1.1I Change to read:

Contractor shall provide an independent third party inspector to perform inspections during the installation of the RCS. **In-house Quality Control inspector or an in-house Engineer can be used in lieu of 3rd party inspector upon written notification to the Engineer of the inspector's identity and qualifications. If an in-house inspector is used, a notarized affidavit will be required attesting that s/he personally performed the inspection. Test results submitted by an in-house inspector must be notarized.** Testing and warranty inspections shall be executed by the independent third party inspector. Contractor shall include the cost of the independent third party inspector in the lump sum bid.

Section 33-39 13.61 Paragraphs 1.1 Add:

K. Epoxy is defined as an inert plural component polymer system. This system can be a single or multiple layer system.

Section 33-39 13.61 Paragraphs 1.4F, 1.4H, 1.5A5, 1.5C, 3.10A, 3.11B make the following change:

Replace "independent third party inspector" with "independent third party inspector, **or qualified in-house inspector.**"

Section 33-39 13.61 Paragraph 1.5B Change to read:

Contractor shall provide an independent third party inspector to perform inspections during the installation and testing of the RCS. **In-house Quality Control inspector or an in-house Engineer can be used in lieu of 3rd party inspector upon written notification to the Engineer of the inspector's identity and qualifications. If an in-house inspector is used, a notarized affidavit will be required attesting that s/he personally performed the inspection. Test results submitted by an in-house inspector must be notarized.** The inspector shall be approved by the selected manufacturer. The inspector shall also be knowledgeable of industry practices and be employed by a firm which is regularly involved in evaluation of RCS.

Section 33-39 13.61 Paragraph 2.1A Add:

CCI Spectrum, SpectraShield

Section 33-39 13.61 Paragraph 2.1B Add:

ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension

ASTM D2240 Standard Test Method for Rubber Property – Durometer Hardness

ASTM D522 Standard Test Methods for Mandrel Bend Test of Attached Organic Coatings

ASTM 4060 Standard Test Method for Abrasion Resistance of Organic Coatings by Taber Abraser

Section 33-39 13.61 Paragraph 2.1E1d Change to Read:

Tensile Strength, psi (ASTM D638): 7,500 (minimum)

Section 33-39 13.61 Paragraph 2.1E Add:

2) Modified Polymer liner system.

- a. VOC Content (ASTM D2584) : 0
- b. Modified polymer shall be sprayable, solvent free, two-component polymeric, moisture/chemical barrier specifically developed for corrosive wastewater environment.
- c. Tensile Strength, psi (ASTM D638): 7,500 (minimum)
- d. Adhesion to Concrete, mode of failure (ASTM D4541): Substrate (concrete) failure
- e. Chemical Resistance (ASTM D543/G20) all types of service for:
 1. Municipal sanitary sewer environment
 2. Sulfuric acid, 30%
 3. Sodium hydroxide, 5%

3). Contractor shall verify in writing that different lining products are to be free of compatibility issues that will hinder adhesion between the two products.

Pre-Bid Conference Minutes are hereby incorporated as part of Addendum No. 1.

END OF ADDENDUM NO. 1