

Roscommon County Road Commission(RCRC)

Cured-in-Place Pipe Liner #3

Questions and Answers

Updated: 3/1/2024

1. Is a bid bond required?
 - **No**
2. Is there a checklist for what needs to be included in this bid package for submission?
 - **No, The second page of the General Specification and Attachment A are needed to be submitted for a complete bid.**
3. We did not see a line item for 28-inch pipe, should we add one in?
 - **Addendum A has been issued adding in a line for 28-inch pipe.**
4. How will the items of work for pipes on the priority list be paid out as a “Foot” pay item?
 - **See Addendum A. Pipes on the priority list will be paid upon completion by dividing the number of priorities with the bidders total bid price for the priority list. Each pipe priority will be paid as an Each Item.**
5. Can condensate water and flush water be dumped in the sanitary sewer or at the wastewater plant?
 - **This is under the jurisdiction of the Houghton Lake Sewer Authority and they will need to be consulted. PO Box 8, Houghton Lake Mi 48629. PH 989-422-5811 Fax 989-422-3336.**
6. Can a pipe patch be used on the shorter segments in lieu of a liner?
 - **A pipe patch may be used on the shorter segments as long as the entire pipe segment is covered by the pipe patch. The Special Provision for Cured-In-Place Pipe Point Repair shall be followed. If a pipe point repair is used, it will be measured and paid equally with the other priorities.**

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
**CURED-IN-PLACE PIPE POINT REPAIR ON FIXED PRICE VARIABLE SCOPE
PROJECTS**

RCRC:NAB

1 of 2

01-25-24

a. Description. This work consists of the design and installation of cured-in-place fiberglass point repairs on existing storm sewer pipe. Repair storm sewers at the locations shown on the plans and in accordance with the standard specifications, the manufacturer's installation guidelines and as specified.

Provide video inspection of sewers before (after cleaning) and after point repairs have been made. All sewer cleaning, disposal, maintaining flow, bypass pumping, corrective action to remove obstructions, site preparation and restoration is included in this work except as described below.

b. Materials. Use a fiberglass point repair sleeve by PipePatch® manufactured by Source One Environmental or approved equal meeting the minimum requirements of *ASTM F1216*.

c. Construction. Provide at least 10 work days notice to the Engineer prior to starting the work. Electronically submit all required documentation to the Engineer for approval prior to starting the work. Do not begin work until approval is received from the Engineer.

Video inspect the existing pipe in accordance with subsection 402.03.J of the Standard Specifications for Construction. Thoroughly clean the existing pipe prior to video inspection. Dispose of all debris in accordance with subsection 205.03.P of the Standard Specifications for Construction.

Propose corrective action to eliminate any obstruction revealed by the pre-installation inspection that cannot be removed by conventional pipe cleaning equipment and that prevents the point repair from being installed properly. Ensure the proposed corrective action is approved by the Engineer prior to commencement of the work.

Maintain flow around the run of pipe designated for pipe point repair as necessary. Ensure the bypass pumping system can provide adequate capacity to handle the existing flow plus any additional flow that may occur during periods of precipitation. Electronically submit a bypass pumping plan containing all necessary details to the Engineer for approval at least 10 work days prior to conducting the work. Continuously monitor all pumps and equipment. Follow local noise ordinances if pumping is required on a 24-hour basis.

Install the fiberglass patch in accordance with the manufacturer's published guidelines. Ensure the finished fiberglass patch covers the entire length of pipe defect and is free from visual defects. Upon completion of the installation of the patch provide video inspection of all repaired locations. Correct any deficiencies found at no cost to the contract utilizing a method approved by the Engineer.

Any areas found to be defective with the patch or between the patch and the existing pipe as determined by the Engineer may require grout or other corrective action. Conduct the work in accordance with the manufacturer’s guidelines to ensure a quality repair to minimize irregularities in the patch or eliminate groundwater infiltration.

Provide a certification, sealed by a Professional Engineer licensed in the State of Michigan, verifying that the point repair patch system has been designed, manufactured, and installed in accordance with *ASTM F1216* and this special provision.

d. Measurement and Payment. The completed work, as described within the priority list, will be measured and paid for at the established unit price, which will be determined by dividing the fixed construction cost amount by the Contractor’s total completed priority bid quantity. Completed work will be paid for by using the following pay item:

Pay Item	Pay Unit
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Priority __,Cured-In-Place Pipe Point Repr, __ inch	Each
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Priority __,Cured-In-Place Pipe, Point Repr, __ inch includes cleaning, debris disposal, patch installation and video inspection necessary to repair the sewer pipe as described.

The cost for the work to remove an obstruction that cannot be removed with conventional pipe cleaning equipment will be paid for separately in accordance with the contract.