

SECTION 00412 - CURED-IN-PLACE PIPE LINING THERMO CURE

(Follow all instructions and make all edits with "Track Changes" turned on. If there are no instructions [purple text] above a subsection, paragraph, sentence, or bullet, then include it in the project. Delete all purple text before preparing the final document. All other modifications to this Section will require ODOT Technical Resource and State Specifications Engineer approval.)

Comply with Section 00412 of the Standard Specifications modified as follows:

00412.01 Submittals - Replace the bullet that begins "Verify Pipe length, rise and span ..." with the following bullet:

- Verify Pipe length, rise and span, for each installation according to Section 00415 and include the corresponding tube size for each installation according to 00412.10. Do not order Material(s) until approval has been received.

(Use the following subsection .02 to list the CIPP design parameters. Obtain the parameter information from the Designer.)

00412.02 Design Parameters - Add the following to the end of this subsection:

Minimum Height of fill*
Groundwater Elevation above invert
.....

* Measured vertically from pipe invert to the top of paved surface, directly beneath the pavement section.

(Use the following line when chemical resistance parameters are required)

Chemical Resistance ASTM F1743

00412.12 Liner Properties - Replace the paragraph that begins "Furnish liners that have ..." with the following paragraph:

Furnish liners that have the minimum physical properties stated in ASTM F1216, ASTM F1743 and ASTM D2990, and are also resistant to chemical properties and flow characteristics typically found in municipal sanitary sewer flows. Fabricate the liner to a size that when cured, will tightly fit the pipe being rehabilitated. Furnish a homogeneous finished liner system across the wall thickness containing no intermediate or encapsulated elastomeric layers.

00412.72 Material Sampling and Testing - Replace the paragraph that begins "Flexural properties must ..." with the following paragraph:

Meet or exceed flexural property values according to 00412.12.

(Use the following subsection .80 when SP00410 is used and Section 00412 is listed as an option in Table 00410-1.)

00412.80 Measurement - Replace this subsection, except for the subsection number and title, with the following:

CIPP Liner and Service Line Reconnections will be measured according to 00410.80.

~~*(Choose one of the following Options) (Use the following subsection .90 when SP00410 is used and Section 00412 is listed as an option in Table 00410-1.)*~~

00412.90 Payment -

[Option 1]

Replace the paragraph that begins "In item (a), the ..." with the following paragraph:

In item (a), the nominal size of the host pipe is inserted in the blank.

Replace the paragraph that begins "Payment will be payment ..." with the following paragraph:

Payment will be payment in full for furnishing and placing all Materials, and for providing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

~~*(Option 2 - Use the following subsection .90 when SP00410 is used and Section 00412 is listed as an option in Table 00410-1.)*~~

Replace this subsection, except for the subsection number and title, with the following:

CIPP Liner and Service Line Reconnections will be paid for according to 00410.90.