



Janet T. Mills
GOVERNOR

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Dale F. Doughty
COMMISSIONER

July 24, 2026
Subject: Large Culvert Repair
WIN:028182.00
Location: Mexico
Amendment No. 3

Dear Sir/Ms.:

The following questions have been received:

Question: Can you confirm that work inside the culvert and maintenance of flow conditions must be completed by September 30, 2026?

Response: Special Provision Section 105, Item 1, Section D, page 50 of the bid documents: In-stream work shall be allowed from June 1st to September 30th, 2026.

Question: Can you confirm the dimensions of the culvert to be rehabilitated? The bid docs say 84" x 68' x 12'. After visiting the site, 68' appears to be the length. Is that 84" (7') the width/span, and 12' is the height/rise of the box culvert?

Response: Approximate box culvert dimensions: Length 68', Width 12', Height 8'. Contractor should field verify.

Question: Irregularities, spalls, voids, joint gaps, and cracks exist in the concrete walls and top slab, and irregularities exist in the stone wall of the culvert. Does the Owner expect bidders to include enough geopolymer and work to repair those irregularities to prior to installing the 2" of geopolymer to provide a smooth finish that is 2" over protruding stones and undamaged existing concrete, but is significantly more than 2" over the gaps, voids, spalls, and irregularities? Or does the Owner expect slightly more than 2" thickness in the entire culvert, which will leave an irregular surface like the irregular surface of the existing culvert?

Response: As previously mentioned, minimum thickness shall be no less than 2". MaineDOT understands that existing protrusions will be reflected in the finished surface.

Question: Is the specified 2" minimum thickness the minimum thickness bidders should include in our estimates? If so, please confirm no thickness design calculations will be required.

Response: Minimum thickness shall be no less than 2" as specified on page 35 of the contract documents; thickness design calculations are not required.

Question: To fill void space around the culvert (in the fill under, around, and above the culvert), recompact the existing fill in that space around the culvert, stabilize the existing culvert, stabilize the road above, and stop infiltration into the culvert to allow the geopolymer to perform at its full potential for its full lifespan, curtain-wall injection of 3.5-4 LB polyurethane grout is required here. This culvert will require 170 GAL of that work, and we have attached a DOT specification for that work.

Response: Void space shall be filled with an appropriate product and will be considered incidental to Item 940.00 Special Work- Geopolymer Pipe Lining.

Question: In 1.E. of the Special Provision Section 105, does "grout work" mean to indicate that no application of geopolymer will be allowed below the normal high-water mark?

If so, will contractors be required to taper the geopolymer to the existing culvert surface at the normal high-water mark?

If not, are we to assume that the grouting being limited is the grouting I mention in question #4 or #5 above?

If #5, will the Owner confirm that infiltration through the finished geopolymer below that normal high-water line will be expected and acceptable?

Response: No work shall be completed below the normal high-water mark. Contractor will need to taper the material to zero out at the high-water mark.

Question: Is it the owner's intent that the contractor is to repair the spalling/missing concrete areas and install 2" of geopolymer on the walls and ceiling? Any structural design requirements mentioned in the specifications are therefore not applicable to this project?

Response: Correct, the intent is to repair the spalling/missing concrete areas and install 2" of geopolymer on the walls and ceiling. Structural design requirements for a full culvert lining would not apply.

Consider these changes and information prior to submitting your bid on **July 29, 2026**.

Sincerely,

Kevin Hanlon for

George M. A. Macdougall P.E.
Contracts & Specifications Engineer