



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

November 30, 2021
Subject: Blue Hill Falls Bridge Replacement
State WIN: 017712.00
Location: **Blue Hill**
Amendment No. 3

Dear Sir/Ms.:

The following questions have been received:

Question: After the concrete deck is placed, is the fascia panel connection angle (L8x6x1) designed to take the entire dead load of the fascia panel without additional temporary supports prior to the curb placement?

Response: Yes.

Question: Special Provision 107.3.1 General, 1. Lane Closures states, "The use of daily or nightly lane closures will be allowed for the completion of work that cannot be reasonably, expeditiously, or safely completed without a lane closure in place, as approved by the Resident. Lane closures will only be permitted when work is actively occurring on site." If work is actively taking place during the day shift, could a single lane closure remain in place throughout the night with signalized alternating traffic before the detour bridge is in place?

Response: Lane closures will only be permitted when work is actively occurring on site or as approved in advance by the Resident.

Question: Plan sheet 50 indicates camber for "...at release..." and "...at erection...". Please clarify definition of "at release" condition and "at erection" condition; what pick points or resting points are assumed for these conditions? Are the approach beams to be cast without camber?

Response: In Note 2 on Sheet 50, "Release" refers to the point in time when the forms are stripped, the beams are blocked at the centerlines of bearing, and deflection is only caused by the self-weight of the beams. "Erection" refers to the point in time when the beams are set in their final position and deflection is caused by self-weight of the beams with additional deflection due to initial creep. "Completion" refers to the point in time when the beams are set in their final position with the deck cast and deflection is caused by the self-weight of the beams with additional deflection due to initial and intermediate creep.

Per Note 7 on Sheet 50 of 70, the beams are required to be aged for at least 30 days after release before being erected on site. The beams shall be supported on blocking at the centerline of bearing locations during aging. Aging the beams for more than 30 days is acceptable but may result in additional

deflections due to creep. The topping slab will have a variable thickness along the profile to compensate for the actual deflection of the beams at the time of deck placement.

The beams shall be cast flat without camber.

Question: Our interpretation is that rebar for Approach floor slab and variable height walls is not incidental but is paid for per pound in item(s) 503 and the concrete is paid for in item 502.219. Please confirm our understanding.

Response: Reinforcing steel for the floor slab and walls built atop the existing approaches will be measured for payment under Pay Items 503.26, Stainless Steel Reinforcement, Fabricated and Delivered, and 503.27, Stainless Steel Reinforcement, Placing. Concrete shall be measured for payment under Pay Item 502.219, Structural Concrete, Abutments and Retaining Walls.

Question: Special Provision Section 105 Environmental Requirements, sub part III. Special Conditions 14 states, "The contractor must maintain downstream passage during the September 1 to November 30 time period." Special Provision Section 202 Removing Existing Bridge allows the Main Waterway Channel to be restricted up to fifteen percent (15ft) for temporary structural supports. Please clarify if these structural supports can be in place during the September 1 to November 30 time period mentioned above.

Response: Structural supports may be in place between September 1st to November 30th. Limits for structural supports and limits for temporary fill differ and are provided in the Army Corps of Engineers permit on page 258 of the contract bid book.

Question: We do not see scope of work identified for items 518.60 & 518.70. Where is this work?

Response: Concrete repair work paid under Pay Items 518.60 and 518.70 shall be completed at the Hales Hill Road Bridge in accordance with General Note 31 on Sheet 3 of 70.

Consider these changes and information prior to submitting your bid on **December 1, 2021**.

Sincerely,



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