



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

October 4, 2022
Subject: Ticonic Bridge Replacement
State WIN: 023138.00
Location: **Waterville & Winslow**
Amendment No. 4

Dear Sir/Ms.:

In Amendment No.3 **Change** the bid date of **September 28** to the correct bid date of **October 12, 2022**

ADD the attached micropile sketch in reference to **Amendment No. 2**

The following questions have been received:

Question: Comparing the girder cambers shown on sheet 82 of 111, with the steel dead load and fluid dead load deflections shown on sheet 83 of 111, the deflections appear to be much greater than the cambers, however the bottom of slab elevations do not reflect this Please share the erection and support assumptions used for the steel girder camber table values.

Response: The large difference between the tabulated Camber Ordinates shown on sheet 82 and the tabulated Table of Deflections shown on sheet 83 is not unexpected. A direct comparison of the data in these tables is not possible because the Table of Deflection data is developed based on deflections over the entire span while the Camber Ordinates are developed for each individual girder segment. Completing an approximate comparison of camber and deflection data requires incorporating the values in the Table of Camber Dimensions provided on Sheet 82 to establish camber values on a span-by-span basis. The use of temporary supports was not explicitly considered in the development of the girder cambers and deflections shown on the plans.

Question: The existing bridge drawings for both the 1936 and 1970 sections respectively are unclear as to if there are shear studs and/or spirals. **Are there shear studs and/or spirals and where?**

Response: The 1936 existing bridge plans do not indicate shear studs and/or spirals. The 1970 existing bridge plans, sheets 16 and 17, indicate double shear studs on the girders. The existing bridge plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction changes or any alterations which may have been made to the bridge during its life span.

Question: Special Provision section 524 (Temporary Access Construction) requires 45 calendar day lead time for access design. It is expected that access design and other submittals will be submitted in segments and will require quicker turn-around. Please change to 7 days and to allow work to begin as long as that portion of access has been submitted.

Response: In subsection 524.031 of Special Provision Section 524 - Temporary Access Construction, change 45 Calendar Days to 7 Calendar Days. Make this change in pen and ink. Note that Temporary Access Construction submittals will not be approved by the Department. The Special Provision states that the submittal(s) for this work shall be submitted for record.

Question: Bid items 830.163 description indicates that the Gas Utility company will supply materials. Special Provision 104 (Utility) does not indicate this. **Please clarify scope delineation.**

Response: There is a more detailed explanation of scope and basis of payment for Item 830.163 in the Summit Natural Gas, Gas Main specifications beginning on page 297 of the Bid Book.

Consider these changes and information prior to submitting your bid on **October 12, 2022.**

Sincerely,



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

Location of Drilled Micropiles.
Confirmation Cores are planned at the center of each micropile.
Primary confirmation borings are circled in red.

Location of Primary
confirmation boring (TYP.)

Location of Secondary
confirmation boring (TYP.)

N=625742.0032
E=1178916.9246

N=625741.4953
E=1178923.9141

N=625734.6721
E=1178916.7417

N=625735.2473
E=1178923.7582

N=625727.3411
E=1178916.5588

N=625728.9992
E=1178923.6023

N=625720.0100
E=1178916.3758

N=625722.7512
E=1178923.4464

N=625712.6790
E=1178916.1929

N=625716.5031
E=1178923.2905

N=625705.3479
E=1178916.0100

N=625710.2550
E=1178923.1346

N=625698.0168
E=1178915.8271

N=625704.0070
E=1178922.9787

N=625690.6858
E=1178915.6442

N=625691.5109
E=1178922.6669

15+00