



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

Janet T. Mills
GOVERNOR

Bruce A. Van Note
COMMISSIONER

November 29, 2023
Subject: Bridge Deck Replacement
State WIN: 025631.01
Location: **Medway**
Amendment No. 6

Dear Sir/Ms.:

Make the following changes to the bid documents

In the Plan Sheet:

Remove page 139 Bearing Details dated 10/5/23 totaling one page and **Replace** with the attached Bearing detail totaling one page dated 11/28/23

The following questions have been received:

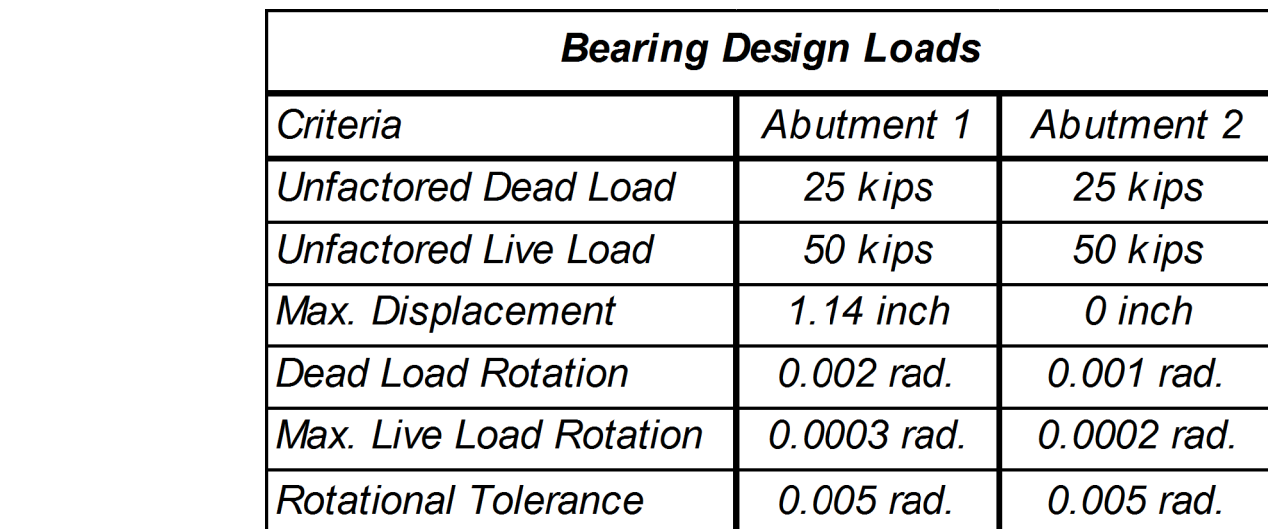
Question: On plan sheet 139 of 168, the expansion elastomeric bearing assembly detail calls for a vulcanized bond not only between the elastomeric bearing pad and sole plate but also between the bearing pad and the masonry plate. Is the bond between the pad and masonry plate necessary? considering the masonry plate is recessed? We cannot bond to this plate considering minimal clearance between the shear blocks and the pad itself and we request this bond be eliminated.

Response: **REMOVE** SHEET NUMBER 139 of 168, BEARING DETAILS dated 10/25/2023 and **REPLACE** with the attached SHEET NUMBER 139 of 168, BEARING DETAILS dated 11/28/2023. This revised sheet makes the following changes to the expansion bearing: removes vulcanization to the masonry plate and reduces the thickness of the bottom layer of elastomer.

Consider these changes and information prior to submitting your bid on **December 6, 2023**.

Sincerely,

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



1. Existing bearings shall be removed and replaced at the locations shown on the Key Plan. The existing anchor rods shall be cut flush with the bridge seat. Payment for removal and installation of new anchor rods is incidental to the Bearing Installation Pay Item.
2. The shear modulus of the elastomer shall be 130 psi and meet AASHTO M251 criteria for Design Method B.
3. Vulcanization of the elastomer to the steel plates shall be done during the primary mold process. Sole and masonry plates shall be vulcanized to the elastomer where noted.
4. Sole and masonry plates shall meet the requirement of ASTM A709, Grade 50. Anchor rods shall meet the requirement of ASTM F1554, Grade 105 and shall be swaged or threaded on the embedded portion of the rod.
5. Sole and masonry plates shall be galvanized in accordance with Section 506. Anchor rods, washers, nuts, and shear blocks shall be galvanized to ASTM A153 or ASTM B695, Class 50, Type I.
6. All bearings shall be marked prior to shipping. The marks shall include the bearing location on the bridge and a direction arrow that points upstation. All marks shall be permanent and shall be visible after the bearing is installed.
7. Bearings shall be covered during shipping and at any time prior to installation that the bearings may be exposed to sunlight.

