

DS Brown Company  
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Date: June 3, 2011

Beck & Bellucci, Inc.  
 Dale Sackoff  
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 Franklin, NH 03235  
 Telephone #: (603) 934-5236

Project # 33065-1104  
 Description: I-91 Brattleboro Bridge Replacement  
 Project #: IM 091-1(50)  
 County, State: Windham County, VT

The following documents are being submitted for:

- Approval
- Distribution
- Per your Request
- Information

# of Copies	Sheet #s	Document Size	Description
1	GN1, 1 thru 3	11" x 17"	"Elastomeric Bearing & Retainer Plate" Shop Drawings
1	2	8 1/2" x 11"	Welding Procedures [A-(MC)GF-01 & B-FF-01]

Please verify that all hole diameters are to be 1/16" larger than the rod diameter. We typically see hole diameters 3/8" or larger than the rod diameter. Slotted hole width in abutment 2 sole plate is 2.5" which is 3/4" wider than anchor rod. Retainer plate anchor bolts are going to be drilled and grouted.

Please verify the up station direction in regards to the sole plate on sheet 2. Correct.

Please verify the hole location in the anchor plate. The location of the hole was changed from the contract plans to a location directly beneath the slots in the sole plate and retainer plate. Edge distance for anchor plate = 5"

Please verify the elastomer shear modulus. D.S. Brown's compound for 60 durometer material yields a shear modulus of approximately 150 psi, which is just outside the 130 psi ± 15% allowed by AASHTO stds. Therefore, both the shear modulus and durometer parameters cannot be held as shown. We can build the bearings to either parameter, but cannot guarantee the other will be held. Please advise which parameter is to be held. Written approval will need to be provided prior to fabrication release. Also we cannot provide neoprene in a Grade 4, therefore natural rubber was substituted. Build Bearings to shear modulus (130 psi).

Please forward the enclosed documents to the appropriate party for review. Return the reviewed documents to DS Brown as soon as possible. Note that once drawings are returned, 10-12 weeks will be required for product fabrication. Your assistance in expediting the approval process would be appreciated.

**TYLIN INTERNATIONAL**


Remarks:

If you have any comments or concerns, please contact LuAnn Hayfield, Engineering Administrator @ (419) 257-3561 or [lhayfield@dsbrown.com](mailto:lhayfield@dsbrown.com).

Review is for general conformance with the contract plans. Neither the presence nor the absence of markings or notations on this submittal shall be construed as relieving the contractor from compliance with the contract plans and specifications; nor shall this review serve in any way to alter the contract plans or specifications. The preparer of this submittal is solely responsible for the accuracy of dimensions, selection of proper materials, development of techniques, safety, and proper construction in performance of the work depicted hereon.

- No Exceptions Taken
- Rejected
- Make Corrections Noted
- Review Not Required

Copies to: Folder: File Name: 33065-1104 Transmittal Letter - Amend and Resubmit Amy Ohrman/lah  
 Drawings to: Folder, da, dt, QC

By:  Date: 6/6/11