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Submittal Data Sheet

Submittal #: 1

Submission #: 1

Date: 4/2/2015

Project Name: Barton BRO (1449) Bridge Replacement

Owner: Town of Barton, VT

Engineer: Vtrans

Contractor: J.P. Sicard Inc.

Item Number: 531.17

Supplier: Scougal Rubber

Description of Item: Elastomeric Bearing Pad

Substitution: NO

Engineers Review Comments:

Submitted By: George Carpenter
Title: Project Manager
Company: JP Sicard Inc

Vermont Agency of Transportation

Barton BRO 1449(01) Bearings_r1_archive_STAMPED_FLAT

RECEIVED

ON: **April 2, 2015**

and Checked for

CONFORMANCE

BY: Todd A. Sumner DATE: 05/11/2015

RECEIVED

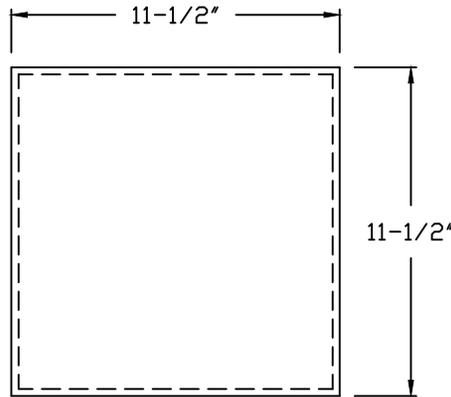
ON: **April 2, 2015**

and Checked for

CONFORMANCE

BY: **Todd A. Sumner** DATE: **05/11/2015**

885 DENMARK DRIVE
SUITE 103
MCCARRAN, NV 89434
PH. (775) 284-8500
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PLAN
LAMINATED PAD @ ABUTMENTS

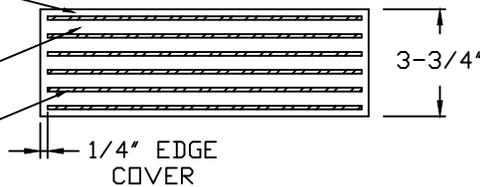
SERVICE DESIGN LOADS:
(DESIGN METHOD A)

MAXIMUM DEAD LOAD = 32.2 K
MINIMUM LIVE LOAD = 31.7 K

1/4" TOP & BOTTOM
LAYERS ELASTOMER

1/2" INNER LAYER
ELASTOMER (x5)

11ga (.125")
LAMINATE (x6)



PAD SECTION

(QTY. 12) PADS
(PLUS 2 FOR M251 TESTING)

ALSO INCLUDED:
(QTY. 16)

1/4" x 12-1/2" x 12-1/2"
GALVANIZED SHIMS

NOTES:

- ELASTOMERIC BEARING PADS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION (SECTIONS 531 AND 731), DATED 2011, AND IT'S LATEST REVISIONS, AND THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, DATED 2012, AND IT'S LATEST REVISIONS, AND THE CONTRACT DRAWINGS PROVIDED FOR THIS PROJECT.
- ELASTOMER SHALL BE 60 +/-5 DUROMETER (SHORE "A") AASHTO GRADE 4 NATURAL RUBBER, WITH A SHEAR MODULUS RANGE OF 130 - 200 psi.
- 11ga INTERNAL STEEL LAMINATES SHALL BE PER ASTM A1011, GRADE 36, CONFORMING WITH VERMONT STANDARD SPECIFICATION SUBSECTION 714.02. LAMINATES SHALL BE SAND BLASTED AND FREE OF BURRS AND SHARP EDGES.
- 1/4" EXTERNAL STEEL SHIMS SHALL BE PER ASTM A36, AND GALVANIZED PER ASTM A123.
- SCOUGAL RUBBER WILL PROVIDE MILL CERTS AND MATERIAL TEST REPORTS. AASHTO M251 TESTING WILL BE PROVIDED.
- WHERE APPLICABLE, MATERIALS SHALL COMPLY WITH THE "BUY AMERICA" ACT OF 1982.
- SCOUGAL RUBBER REQUIRES A MINIMUM OF 6-8 WEEKS FROM APPROVAL OF THIS SHOP DRAWING TO FABRICATE THE BEARING PADS.

SHOP DRAWING REVIEW

REVIEWED AS REQUIRED BY THE CONSTRUCTION CONTRACT DOCUMENTS AND APPROVED, BUT ONLY FOR CONFORMANCE TO THE DESIGN CONCEPT OF THE WORK, AND SUBJECT TO FURTHER LIMITATIONS AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION CONTRACT DOCUMENTS.

REJECTED REVISE AND RESUBMIT APPROVED AS NOTED

CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE CONTRACTOR FROM COMPLIANCE WITH REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. THIS CHECK IS ONLY FOR REVIEW OF GENERAL CONFORMANCE WITH THE DESIGN CONCEPT OF THE PROJECT AND GENERAL COMPLIANCE WITH THE INFORMATION GIVEN IN THE CONTRACT DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR: CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; SELECTING FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION; COORDINATING THEIR WORK WITH THAT OF ALL OTHER TRADES; AND PERFORMING THEIR WORK IN A SAFE AND SATISFACTORY MANNER.



CLD Consulting Engineers
540 Commercial Street
Manchester, NH 03101
603-668-8223

Job Number: **120174**

Reviewed by: **SRB**

Date: **05/11/2015**

SOLD TO:		SCOUGAL RUBBER CORP.	
J.P. SICARD, INC.		ROARING BROOK ROAD BRIDGE (TH 2) (BRIDGE #8) TOWN OF BARTON ORLEANS COUNTY, VERMONT PROJECT# BRO-1449(31)	
SRC# 13546	SIZE A	DRAWN BY: R. JENSEN	ELASTOMERIC BEARING PAD DETAILS
DATE: MARCH 2015	SCALE: 1:1 (AUTOCAD)	CHECKED BY: R. TIMMONS	SHEET 1 OF 1