

GENERAL NOTES:

- MATERIALS SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011 AND ITS THE LATEST REVISIONS, CONTRACT PLANS, AND THE SPECIAL PROVISIONS. GENERAL SHOP PRACTICES, STRUCTURAL FABRICATION, WELDING AND ASSEMBLY SHALL BE GOVERNED BY ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.
- THESE SHOP DRAWINGS WERE PREPARED IN ACCORDANCE WITH THE CONTRACT PLANS AND SPECIFICATIONS. THE D.S. BROWN COMPANY DOES NOT ACCEPT LIABILITY FOR THE DESIGN OF THE PRODUCTS DETAILED IN THESE SHOP DRAWINGS.
- THE D.S. BROWN COMPANY TO SUPPLY ONLY THE PARTS SHOWN ON THESE SHOP DRAWINGS.
- THE BEARINGS SHALL BE SUBJECT TO RANDOM IN-HOUSE ELASTOMER TESTING AND IN-HOUSE PROOF LOAD TESTING IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 14 (METHOD 'A') AND AASHTO LRFD CONSTRUCTION SPECIFICATIONS SECTION 1B.
- IN ACCORDANCE WITH STANDARD SPECIFICATION, FABRICATOR MAY USE NATURAL RUBBER FOR THE ELASTOMER.
- ALL STEEL SHALL BE PRODUCED IN THE UNITED STATES OF AMERICA.
- ALL CORNERS AND EDGES OF STEEL PLATES SHALL BE GROUND TO A 1/16" RADIUS FOR GALVANIZING.
- ALL EXTERNAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123 SPECIFICATIONS. IN ACCORDANCE WITH SECTION 726.08 OF THE STANDARD SPECIFICATIONS, REPAIR DAMAGED GALVANIZING PER ASTM A780, ANNEX A2. THE PAINT USED IN THE REPAIR SHALL BE ORGANIC-ZINC, CONTAINING 92% MINIMUM ZINC BY WEIGHT IN THE DRY FILM. THE PAINT SHALL BE APPLIED PER MANUFACTURER'S RECOMMENDATIONS TO A THICKNESS EQUIVALENT TO THE SURROUNDING GALVANIZING.
- GALVANIZATION LIFTING DEVICES MAY BE WELDED TO PARTS IF NECESSARY. WHEN THEIR USE IS COMPLETE, REMOVE AND GRIND FLUSH ALL CONNECTION LOCATIONS. REPAIR AREA PER ASTM A780, ANNEX A2.
- HOLES FOR ANCHORAGE MAY BE THERMALLY CUT.
- BEARING MANUFACTURING FACILITY AND REPRESENTATIVE FOR COORDINATING PRODUCTION:
THE D.S. BROWN COMPANY
300 EAST CHERRY STREET
NORTH BALTIMORE, OHIO 45872
CSR - ERIC JOHNSON - (419) 257-3561

MARKING NOTES:

- EACH BEARING SHALL BE PERMANENTLY MARKED. THE MARKING SHALL CONSIST OF THE ORDER NUMBER, LOT NUMBER, PAD IDENTIFICATION NUMBER, UP STATION, AND ELASTOMER TYPE AND GRADE. WHERE POSSIBLE, THE MARKING SHALL BE ON A FACE WHICH IS VISIBLE AFTER ERECTION OF THE STRUCTURE.
- MARK THE THICKER EDGE OF THE BEVELED PLATE FOR IDENTIFICATION IN THE FIELD.

TESTING NOTES:

- THE BEARING SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH AASHTO M251, APPENDIX XI.

CONTRACTOR NOTES:

- WELDING PROCEDURES SHALL BE ESTABLISHED BY THE CONTRACTOR TO RESTRICT THE TEMPERATURE TO A MAXIMUM OF 200°F (93°C) FOR SURFACES IN CONTACT WITH THE ELASTOMER. TEMPERATURES SHALL BE DETERMINED BY TEMPERATURE INDICATING WAX PENCILS OR OTHER SUITABLE MEANS.

TOLERANCE TABLE	
DESCRIPTION	TOLERANCE (INCHES U.N.O.)
ELASTOMERIC BEARING DESIGN THICKNESS ≤ 1.250"	-0, +0.1181
ELASTOMERIC BEARING DESIGN THICKNESS > 1.250"	-0, +0.2362
ELASTOMERIC BEARING PLAN DIMENSIONS ≤ 36"	-0, +0.2362
ELASTOMERIC BEARING PLAN DIMENSIONS > 36"	-0, +0.4724
THICKNESS OF INDIVIDUAL LAYERS OF ELASTOMER (LAMINATED BEARINGS ONLY) AT ANY POINT WITHIN THE BEARING	±0.1181
VARIATION FROM A PLANE PARALLEL TO THE THEORETICAL SURFACE (AS DETERMINED BY MEASUREMENTS AT THE EDGE OF THE BEARINGS) (PARALLELISM):	
TOP & BOTTOM	±0.005 RAD
SIDES	±0.2362
POSITION OF EXPOSED CONNECTION MEMBERS	±0.1181
ELASTOMERIC EDGE COVER	-0, +0.1181
ELASTOMERIC BEARING HOLE OR SLOT SIZE	±0.1181
ELASTOMERIC BEARING HOLE OR SLOT LOCATION	±0.1181
STEEL PLATE THICKNESS	±0.063
STEEL PLATE PLAN DIMENSIONS ≤ 30"	±0.250
STEEL PLATE PLAN DIMENSIONS > 30"	±0.250
STEEL PLATE FLATNESS IN CONTACT WITH BEARING	0.001 X NOM. DIMENSION
STEEL PLATE FLATNESS: GROUT OR CONCRETE SIDE	0.005 X NOM. DIMENSION
STEEL PLATE FLATNESS: STEEL GIRDER SIDE	0.002 X NOM. DIMENSION
STEEL PLATE FLATNESS: STEEL PLATE SIDE	0.001 X NOM. DIMENSION
STEEL PLATE SURFACE FINISH IN CONTACT WITH BEARING	125 μ" RMS
BEVEL SLOPE	±0.002 RAD
ANCHOR HOLE OR SLOT SIZE	±1/8
ANCHOR HOLE OR SLOT LOCATION	±1/8
NOTE: SURFACE FINISH & FLATNESS TOLERANCES ARE PRIOR TO COATING.	

Any grinding shall be completed such that the base metal is not undercut or nicked.

Vermont Agency of Transportation
RECEIVED

CK'D BY _____ OK'D BY Rob Young

February 2, 2017

RESUBMIT No Approved AsNoted
BY Rob Young DATE 02/16/2017

REV.	DESCRIPTION	DATE	DET.	CKD.

D.S. BROWN
A GIBRALTAR INDUSTRIES COMPANY
THE D.S. BROWN COMPANY
300 E. CHERRY STREET
NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.0332
WWW.DSBROWN.COM



LOCATION	ITEM	QUANTITY
TH-1, RURAL MAJOR COLLECTOR, FAS ROUTE 0211		
BRIDGE - NO. 8	--	--
PROJECT - BF 0221 (32)	--	--
PROJECT NAME - HUNTINGTON	--	--
P.O. NO. - 8495	--	--
DESIGNER - VHB	--	--
CUSTOMER - S.D. IRELAND BROTHERS CORP.	--	--

DESCRIPTION:	SCALE:	ISSUED BY:	CHECKED BY:	DATE:
GENERAL NOTES	N.T.S.	DA	ECW	2/1/17
CHITTENDEN CO., VT	PROJECT NUMBER:	PROJECT CODE:	RELEASE:	SHEET:
	51887	1104	1	GN1