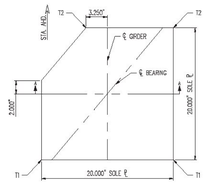
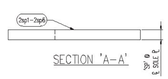


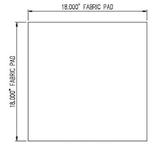
PLAN VIEW

SOLE PLATE

(4) REQ'D @ BRIDGE 11, ABUTMENT 1
(4) REQ'D @ BRIDGE 11, ABUTMENT 2
(8) REQ'D TOTAL



SECTION 'A-A'



PLAN VIEW

FABRIC PAD

(4) REQ'D @ BRIDGE 11, ABUTMENT 1
(4) REQ'D @ BRIDGE 11, ABUTMENT 2
(8) REQ'D TOTAL

MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	WT*	REV
2A	3	SOLE PLATE	5180.7.1127.1			187	
2sp1	3	1.650" X 20.000"	M270 GR 50 (A709)	20.000"	MT11-HDG (A123)	187	
2B	1	SOLE PLATE	5180.7.1127.1			179	
2sp2	1	1.580" X 20.000"	M270 GR 50 (A709)	20.000"	MT11-HDG (A123)	179	
2C	1	SOLE PLATE	5180.7.1127.1			170	
2sp3	1	1.500" X 20.000"	M270 GR 50 (A709)	20.000"	MT11-HDG (A123)	170	
2D	1	SOLE PLATE	5180.7.1127.1			332	
2sp4	1	2.640" X 20.000"	M270 GR 50 (A709)	20.000"	MT11-HDG (A123)	332	
2E	1	SOLE PLATE	5180.7.1127.1			184	
2sp5	1	1.620" X 20.000"	M270 GR 50 (A709)	20.000"	MT11-HDG (A123)	184	
2G	1	SOLE PLATE	5180.7.1127.1			217	
2sp6	1	1.910" X 20.000"	M270 GR 50 (A709)	20.000"	MT11-HDG (A123)	217	
2fd	8	FABRIC PAD				3	
2fp1	8	0.125" X 18.000"	VT 731.02	18.000"		3	
		*Approx. Gross Wt. Lbs Per Single Unit			2/10/17 11:48:36 AM		

GENERAL NOTES:

1. MATERIALS SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011 AND THE LATEST REVISIONS, INCLUDING SUPPLEMENTARY SPECIFICATIONS, 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.

2. THIS SHOP DRAWING WAS 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 THIS SHOP DRAWING.

3. THE D.S. BROWN COMPANY TO SUPPLY ONLY THE PARTS SHOWN ON THIS SHOP DRAWING.

4. ALL STEEL SHALL BE PRODUCED IN THE UNITED STATES OF AMERICA.

5. ALL CORNERS AND EDGES OF STEEL PLATES SHALL BE GROUND TO A 1/16" RADIUS FOR GALVANIZING.

6. ALL EXTERNAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M111 AND M232 (ASTM 123 & 153) SPECIFICATIONS, IN ACCORDANCE WITH SECTION 726.08 OF THE STANDARD SPECIFICATIONS. REPAIR DAMAGED HOT DIPPED 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.

7. 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.

8. 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

SOLE PLATE SCHEDULE								
BRIDGE	ABUTMENT	GIRDER	ASSM MK	SOLE PL PC MK	QTY	T1	T2	"SP"
11	1	1,2,3	2A	2sp1	3	1.350"	1.650"	1.500"
11	1	4	2B	2sp2	1	1.420"	1.580"	1.500"
11	2	1	2C	2sp3	1	1.500"	1.500"	1.500"
11	2	2	2D	2sp4	1	2.840"	2.680"	2.790"
11	2	3	2E	2sp5	1	1.620"	1.380"	1.500"
11	2	4	2G	2sp6	1	1.910"	1.590"	1.750"

MARKING NOTES:

1. EACH BEARING SHALL BE PERMANENTLY MARKED. THE MARKING SHALL CONSIST OF THE ORDER NUMBER, LOT NUMBER, PAD IDENTIFICATION NUMBER, AND UP STATION.
WHERE POSSIBLE, THE MARKING SHALL BE ON A FACE WHICH IS VISIBLE AFTER ERECTION OF THE STRUCTURE.

2. MARK THE THICKER EDGE OF THE BEVELED PLATE FOR IDENTIFICATION IN THE FIELD.

CONTRACTOR NOTES:

1. 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.

Vermont Agency of Transportation
RECEIVED
CK'D BY TYLin OK'D BY TYLin
February 13, 2017
RESUBMIT No Approved
BY Kristin Higgins DATE 2/14/2017

T.Y. LIN INTERNATIONAL
THE STAMPED DOCUMENTS ARE HEREBY:
X APPROVED
APPROVED AS NOTED
REVISE AND RESUBMIT
SEE TRANSMITTAL FOR ADDITIONAL INFORMATION AS APPLICABLE.
THIS REVIEW/IS FOR GENERAL CONFORMANCE WITH DESIGN CONCEPT AND, IF APPLICABLE, INFORMATION FROM THE PLANS AND SPECIFICATIONS. THIS REVIEW/APPROVAL DOES NOT RELIEVE CONTRACTOR FROM NOT HAVING REVIEWED OR HAVING THE ENGINEER SHALL NOT RELIEVE THE CONTRACTOR OF THE CONTRACTUAL RESPONSIBILITY FOR ANY ERRORS OR DEVIATION FROM THE CONTRACT REQUIREMENTS.
JOSH OLUND 2/14/2017
REVIEWER DATE

TOLERANCE TABLE	
DESCRIPTION	TOLERANCE (INCHES U.N.O.)
STEEL PLATE THICKNESS	±0.063
STEEL PLATE PLAN DIMENSIONS ≤ 20"	±0.250
STEEL PLATE PLAN DIMENSIONS > 20"	±0.750
STEEL PLATE FLATNESS IN CONTACT WITH BEARING	0.010 X NOM. DIMENSION
STEEL PLATE FLATNESS, CIRCLE OF CONCRETE SIDE	0.005 X NOM. DIMENSION
STEEL PLATE FLATNESS, STEEL GIRDER SIDE	0.002 X NOM. DIMENSION
STEEL PLATE FLATNESS, STEEL PLATE SIDE	0.020 X NOM. DIMENSION
STEEL PLATE SURFACE FINISH IN CONTACT WITH BEARING	125 μ" RMS
BEVEL SLOPE	±0.003 RAD
PTFE THICKNESS	-0.000, +0.063
PTFE PLAN DIMENSIONS	-0.000, +0.030
PTFE FLATNESS	0.001 X NOM. DIMENSION
NOTE: SURFACE FINISH & FLATNESS TOLERANCES ARE PRIOR TO COATING.	

REV	DESCRIPTION	DATE	DET.	CK'D
1	NEW SHEET	2/10/17	EMF	ECW

THE D.S. BROWN COMPANY
300 E. CHERRY STREET
NORTH BALTIMORE, OHIO 45872
419.257.3561
FAX: 419.257.3322
WWW.DSBROWN.COM

ITEM	QUANTITY
LOCATION — VT ROUTE 110	–
BRIDGE — 11	–
PROJECT — CHELSEA BHF 0169 (9) & CHELSEA BHF 0169 (10)	–
—	–
P.O. NO. — 1	–
DESIGNER — T.Y.LIN INTERNATIONAL	–
CUSTOMER — CPM CONSTRUCTORS	–
—	–
—	–

DESCRIPTION: VERSIFLEX ELASTOWERIC BEARING
ORANGE COUNTY, VT

SCALE	DRAWN BY	DESIGNED BY	DATE	–
N.T.S.	EMF	ECW	2/10/17	
PROJECT NUMBER		PROJECT NAME	REVISION	SHEET
31917		1107	–	02