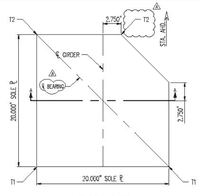
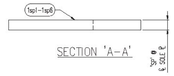
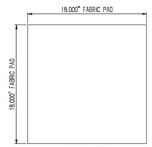
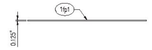


PLAN VIEW
SOLE PLATE
(4) REQ'D @ BRIDGE 9, ABUTMENT 1
(4) REQ'D @ BRIDGE 9, ABUTMENT 2
(8) REQ'D TOTAL





PLAN VIEW
FABRIC PAD
(4) REQ'D @ BRIDGE 9, ABUTMENT 1
(4) REQ'D @ BRIDGE 9, ABUTMENT 2
(8) REQ'D TOTAL



MK	QTY	DESCRIPTION	MATERIAL	LENGTH	REMARKS	WT*	REV
1A	3	SOLE PLATE	51817.21017.1			190	
1sp1	3	1.673" X 20.000"	M270 GR.50 (A709)	20.000"	MI11-HDG (A153)	190	A
1B	1	SOLE PLATE	51817.21017.1			246	
1sp2	1	2.170" X 20.000"	M270 GR.50 (A709)	20.000"	MI11-HDG (A153)	246	A
1C	1	SOLE PLATE	51817.21017.1			227	
1sp3	1	2.000" X 20.000"	M270 GR.50 (A709)	20.000"	MI11-HDG (A153)	227	A
1D	1	SOLE PLATE	51817.21017.1			170	
1sp4	1	1.500" X 20.000"	M270 GR.50 (A709)	20.000"	MI11-HDG (A153)	170	A
1E	1	SOLE PLATE	51817.21017.1			262	
1sp5	1	2.313" X 20.000"	M270 GR.50 (A709)	20.000"	MI11-HDG (A153)	262	A
1G	1	SOLE PLATE	51817.21017.1			179	
1sp6	1	1.585" X 20.000"	M270 GR.50 (A709)	20.000"	MI11-HDG (A153)	179	A
1H	8	FABRIC PAD				3	
1fp1	8	0.135" 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"
9	1	1, 3, 4	1A	1sp1	3	1.338"	1.673"	1.500"
9	1	2	1B	1sp2	1	1.838"	2.170"	2.000"
9	2	1	1C	1sp3	1	2.000"	2.000"	2.000"
9	2	2	1D	1sp4	1	1.500"	1.500"	1.500"
9	2	3	1F	1sp5	1	2.150"	2.313"	2.250"
9	2	4	1G	1sp6	1	1.420"	1.585"	1.500"

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 CK'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 ONLY. ANY DEVIATION FROM THE PLANS OR SPECIFICATIONS NOT CLEARLY NOTED BY THE CONTRACTOR HAS NOT BEEN REVIEWED AND THE CONTRACTOR IS NOT RELIEVED OF THE CONTRACTOR OF THE CONTRACTUAL RESPONSIBILITY FOR ANY ERRORS OR DEVIATION FROM THE CONTRACT REQUIREMENTS.
JOSH OLDRID February 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	0.001 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	±0.003 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.	CHK'D
1	REVISED AS NOTED	2/10/17	EMF	ECW

ITEM	QUANTITY
LOCATION — VT ROUTE 110	–
BRIDGE — 09	–
PROJECT — CHELSEA BHF 0169 (9) & CHELSEA BHF 0169 (15)	–
—	–
P.O. NO. — 1	–
DESIGNER — T.Y.LIN INTERNATIONAL	–
CUSTOMER — CPM CONSTRUCTORS	–
—	–

D.S. BROWN
ACCELERATING BRIDGE CONSTRUCTION
THE D.S. BROWN COMPANY
300 E. CHERRY STREET
NORTH BALTIMORE, OHIO 45872
419.257.3601
FAX: 419.257.3320
WWW.DSBROWN.COM

DESCRIPTION: VERSIFLEX ELASTOMERIC BEARING
ORANGE COUNTY, VT

SCALE	SHEET BY	CHECKED BY	DATE
N.T.S.	EMF	ECW	7/18/17
PROJECT NO. 51817	PROJECT NO. 1107	REVISE –	SHEET 01