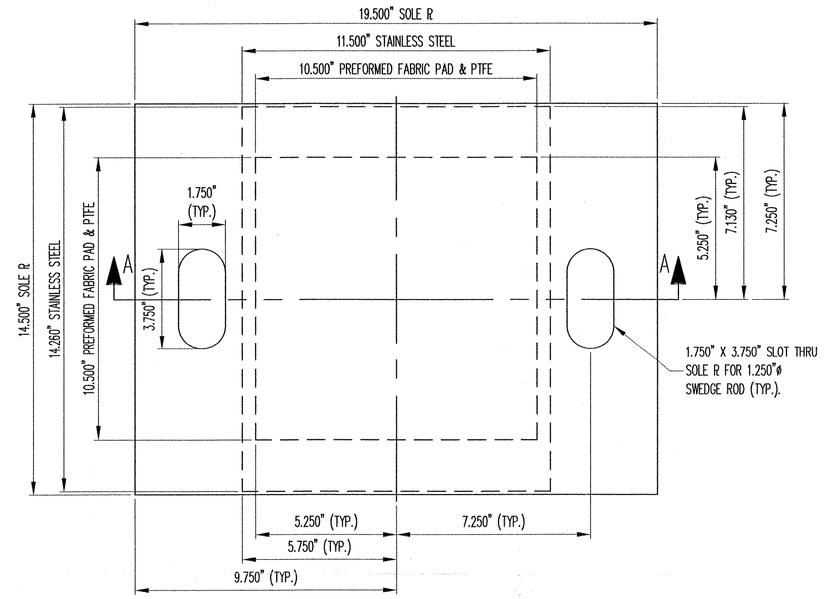
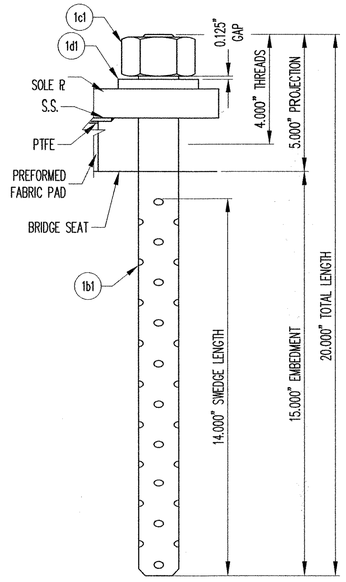
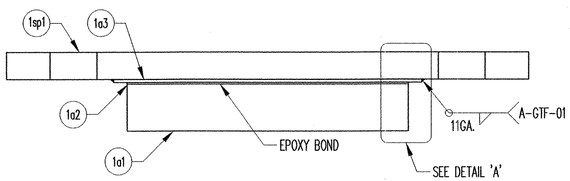


PLAN VIEW

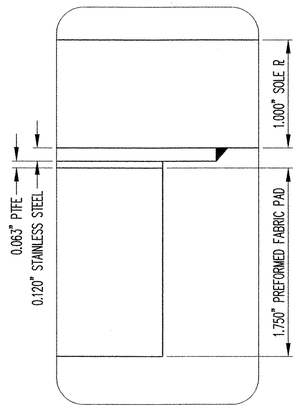
SLIDING PREFORMED FABRIC BEARING
(4) REQ'D @ ABUT. 1



SWEDGE ROD DETAIL



SECTION 'A-A'



DETAIL 'A'

LOAD TABLE

LOAD DATA	
DEAD LOAD REACTION (KIPS)	10 -kips
LIVE LOAD REACTION (KIPS)	16 -kips
TOTAL LOAD REACTION (KIPS)	26 -kips

PLEASE PROVIDE

MK	QTY.	DESCRIPTION	MATERIAL	LENGTH	REMARKS	PART NO.
1A	4	EXPANSION FABRIC BEARING				
1a1	4	1.750" X 10.500"	AASHTO 18.4.9.1	10.500"		
1a2	4	0.063" X 10.500"	PTFE	10.500"	PURE VIRGIN UNFILLED	
1a3	4	11 GA. X 11.500"	A240 T304, §8 & 2B	14.260"	PLAIN	
1sp1	4	1.000" X 19.500"	A709 GR 50 OR 50W	14.500"	A123-HDG	
1B	8	SWEDGE ROD				
1b1	8	1.250"ø X 20.000" SWEDGED ROD	A449		4" THREADS, 14" SWEDGE; A153-HDG	
1C	8	HEAVY HEX NUT				
1c1	8	1.250"ø HEX NUT	A563-DH OR A194-2H		A153-HDG	
1D	8	PLATE WASHER				
1d1	8	0.375" X 3.000"	A36	3.000"	1.313" DIA. HOLE @ CENTER; A123-HDG	

NOTE: ALL MATERIAL SPECIFICATION DESCRIPTIONS ARE ASTM, UNLESS OTHERWISE NOTED.

GENERAL NOTES:

1. PAD AND MATERIALS SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, DATED 2001 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 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 0.063" RADIUS FOR GALVANIZING.

6. PTFE SHALL BE PURE VIRGIN UNFILLED POLYTETRAFLUOROETHYLENE.

7. STAINLESS STEEL SHALL CONFORM TO ASTM A240-TYPE 304 AND SHALL BE 11 GA. (0.120"). STAINLESS STEEL SLIDING SURFACES IN CONTACT WITH PTFE SHALL HAVE A NO. 8 MIRROR FINISH AND ALL OTHERS SHALL HAVE A 2B FINISH.

8. ALL STRUCTURAL STEEL SURFACES TO BE GALVANIZED SHALL BE CLEANED IN ACCORDANCE WITH SSPC-SP10.

9. ALL EXTERNAL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123. GALVANIZATION LIFTING DEVICES MAY BE WELDED TO PARTS IF NECESSARY. WHEN THEIR USE IS COMPLETE, REMOVE AND GRIND FLUSH ALL CONNECTION LOCATIONS. REPAIR ALL GALVANIZATION IN ACCORDANCE WITH ASTM A780. GALVANIZING REPAIR PAINTS CONTAINING ALUMINUM SHALL NOT BE USED ON SURFACES TO BE IN CONTACT WITH FRESH CONCRETE.

10. UNLESS OTHERWISE NOTED, DIMENSIONAL TOLERANCES & SURFACE FINISHES SHALL SATISFY THE REQUIREMENTS OF AASHTO DIVISION II, SECTION 18, TABLE 18.5.1.5-1.

11. THE TEMPERATURE OF THE STEEL ADJACENT TO THE PTFE & FABRIC PAD SHALL NOT EXCEED 300°F (149°C). TEMPERATURE SHALL BE CONTROLLED BY THE USE OF TEMPERATURE INDICATING CRAYON OR OTHER DEVICES APPROVED BY THE ENGINEERS.

12. DS BROWN MAY SUBSTITUTE A709 GR. 50W FOR A709 GR. 50 DUE TO AVAILABILITY AT NO ADDITIONAL COST TO THE OWNER OR CONTRACTOR.

REV.	DESCRIPTION	DATE	DET.	CK'D.

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

LOCATION — TUCKER HILL RD/TH6 OVER OMPOMPANOOSUC BRIDGE REHABILITATION PROJECT
BRIDGE — 27
PROJECT — BHO 1444 (43)
F.A.P. NO. — THETFORD
P.O. NO. — 007-049-008
DESIGNER — VT DOT
CUSTOMER — ALPINE CONSTRUCTION, LLC

RECEIVED
CK'D BY _____ OK'D BY MRM
APR 09 2007
RESUBMIT _____ APPROVED X
BY _____ DATE 4/23/07

ITEM	QUANTITY
19866-1106-1	4 OF 4

DESCRIPTION:
EXPANSION FABRIC BEARING
ORANGE CO., VT

SCALE:	DRAWN BY:	CHECKED BY:	DATE:	
N.T.S.	DA	NRH	3/29/07	-
PROJECT NUMBER		PRODUCT CODE	RELEASE	SHEET
19866		1106	1	01

064 BB