EXPANSION BEARING GEOMETRY TABLE

BRIDGE NO.	SUB-STRUCTURE NO.	△ SKEW ANGLE	QUANTITY REQ'D.	CAPACITY (K) VERT.	CAPACITY (K) HORIZ.	ONE WAY LONGIT. MOVEMENT	SOLE PLATE LENGTH (SPL)	SOLE PLATE WIDTH (SPW)	SOLE PLATE THICKNESS SPT1 (UPSTATION)	SOLE PLATE THICKNESS SPT2 (DOWNSTATION)	MASONRY PLATE LENGTH (MPL)	MASONRY PLATE WIDTH (MPW)	MASONRY PLATE THICKNESS (MPT)	ANCHOR BOLT SHL	ANCHOR BOLT SHW	ANCHOR BOLT Ø	ANCHOR BOLT BOLTS/BEARING	ANCHOR BOLT OFFSET (BO)	ANCHOR BOLT OFFSET (BL)	BEVELED WASHER BWL	BEVELED WASHER BWW	BEVELED WASHER WTA (UPSTATION)	BEVELED WASHER WTB (DOWNSTATION)	ASSUMED BEARING HEIGHT (H)	"A" DISTANCE (UPSTATION SIDE OF BEARINGS) TEMPERATURE (°F) 0	15	30	45	60	75	90	105
ABUTMENT BEARINGS																																
25B	ABUT. 1	49°-18'-45"	6	129	13	1 5/8"	1'-3 1/2"	2'-3 1/2"	1 1/4"	3/4"	1'-2"	2'-3 1/2"	1 3/4"	4 3/4"	1 7/8"	1 1/2"	4	10 5/16"	3 7/8"	5 3/4"	2 7/8"	9/16"	3/8"	2 7/8"	1 3/16"	1 1/16"	1"	7/8"	13/16"	11/16"	5/8"	1/2"
25B	ABUT. 2	39°-11'-15"	6	117	23	2 7/16"	1'-7"	2'-3 1/2"	1 3/8"	3/4"	1'-4"	2'-3 1/2"	1 3/4"	6 1/2"	1 7/8"	1 1/2"	4	10 5/16"	4 3/4"	7 1/2"	2 7/8"	5/8"	3/8"	2 7/8"	1/2"	1 1/16"	15/16"	1 3/16"	1 3/8"	1 5/8"	1 13/16"	2 1/16"
PIER BEARINGS																																
25B	PIER 2	42°-13'-30"	6	308	30	1 13/16"	1'-6 1/2"	2'-6"	1 3/8"	3/4"	1'-3 1/2"	2'-6"	2 1/4"	5 1/4"	1 7/8"	1 1/2"	4	1'-0 3/16"	4 1/8"	6 1/4"	2 7/8"	9/16"	3/8"	* 3 3/8"	15/16"	1 1/16"	1 3/16"	1 5/16"	1 7/16"	1 9/16"	1 11/16"	1 13/16"

"A" DISTANCE CORRECTION:
ABUT. #1 +3/16" UPSTATION
PIER #2 -1/4" DOWNSTATION
ABUT. #2 -3/8" DOWNSTATION

FIXED BEARING GEOMETRY TABLE

BRIDGE NO.	SUB-STRUCTURE NO.	△ SKEW ANGLE	QUANTITY REQ'D.	CAPACITY (K) VERT.	CAPACITY (K) HORIZ.	SOLE PLATE LENGTH (SPL)	SOLE PLATE WIDTH (SPW)	SOLE PLATE THICKNESS SPT1 (UPSTATION)	SOLE PLATE THICKNESS SPT2 (DOWNSTATION)	MASONRY PLATE LENGTH (MPL)	MASONRY PLATE WIDTH (MPW)	MASONRY PLATE THICKNESS (MPT)	ANCHOR BOLT FHD	ANCHOR BOLT Ø	ANCHOR BOLT BOLTS/BEARING	ANCHOR BOLT OFFSET (BO)	ANCHOR BOLT OFFSET (BL)	BEVELED WASHER BWL	BEVELED WASHER BWW	BEVELED WASHER WTA (UPSTATION)	BEVELED WASHER WTB (DOWNSTATION)	ASSUMED BEARING HEIGHT (H)
PIER BEARINGS																						
25B	PIER 1	46°-16'-30"	6	313	86	1'-3 1/2"	2'-3 1/2"	1 1/4"	3/4"	1'-3 1/2"	2'-3 1/2"	2"	1 7/8"	1 1/2"	4	10 15/16"	3 1/8"	2 7/8"	2 7/8"	1/2"	3/8"	* 2 7/8"

NOTES:

1. * THE DIMENSION "H" IN THE BEARING TABLE REPRESENTS THE ASSUMED TOTAL HEIGHT OF BEARING MECHANISM BETWEEN THE SOLE PLATE AND MASONRY PLATE USED BY THE DESIGNER TO ESTABLISH CONCRETE DIMENSIONS. THE CONTRACTOR SHALL RECOMPUTE ALL TOP OF PEDESTAL ELEVATIONS TO ACCURATELY REFLECT THE HEIGHT OF BEARING SUPPLIED.
2. SEE EXPANSION BEARING DETAILS ON BRIDGE SHEET BR410.
3. SEE FIXED BEARING DETAILS ON BRIDGE SHEET BR411.
4. SEE SOLE AND MASONRY PLATE DETAILS ON BR410 AND BR411.
5. SEE BEARING NOTES ON BRIDGE SHEET BR410.

CLOUGH, HARBOUR & ASSOCIATES LLP
ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS
8 WINNERS CIRCLE ALBANY, NEW YORK, 12205

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of SEARSBURG	Bridge No. 25B
	Log Sta.
Highway No. VT. RTE. 9	Surv. Sta.

VT. RTE. 9 OVER DEERFIELD RIVER

BEARING GEOMETRY TABLES - BR25B

Designed By D. VIENI	Drawn by K. DETRICK
Checked By M. OLSTAD Date 12/2001	Bridge Design Supervisor M. OLSTAD Date 12/2001
PROJECT SEARSBURG - WILMINGTON	PROJECT NO. NHF 010-K(8)
I.G.C. Info.	
Bridge Sheet No. BR412	Sheet 218 OF 435

FILE NAME =u:\9755\MSTN\15\BRDG25B\25B_expbrg_tbls.plt
DATE/TIME = 12/12/01
USER = 2225