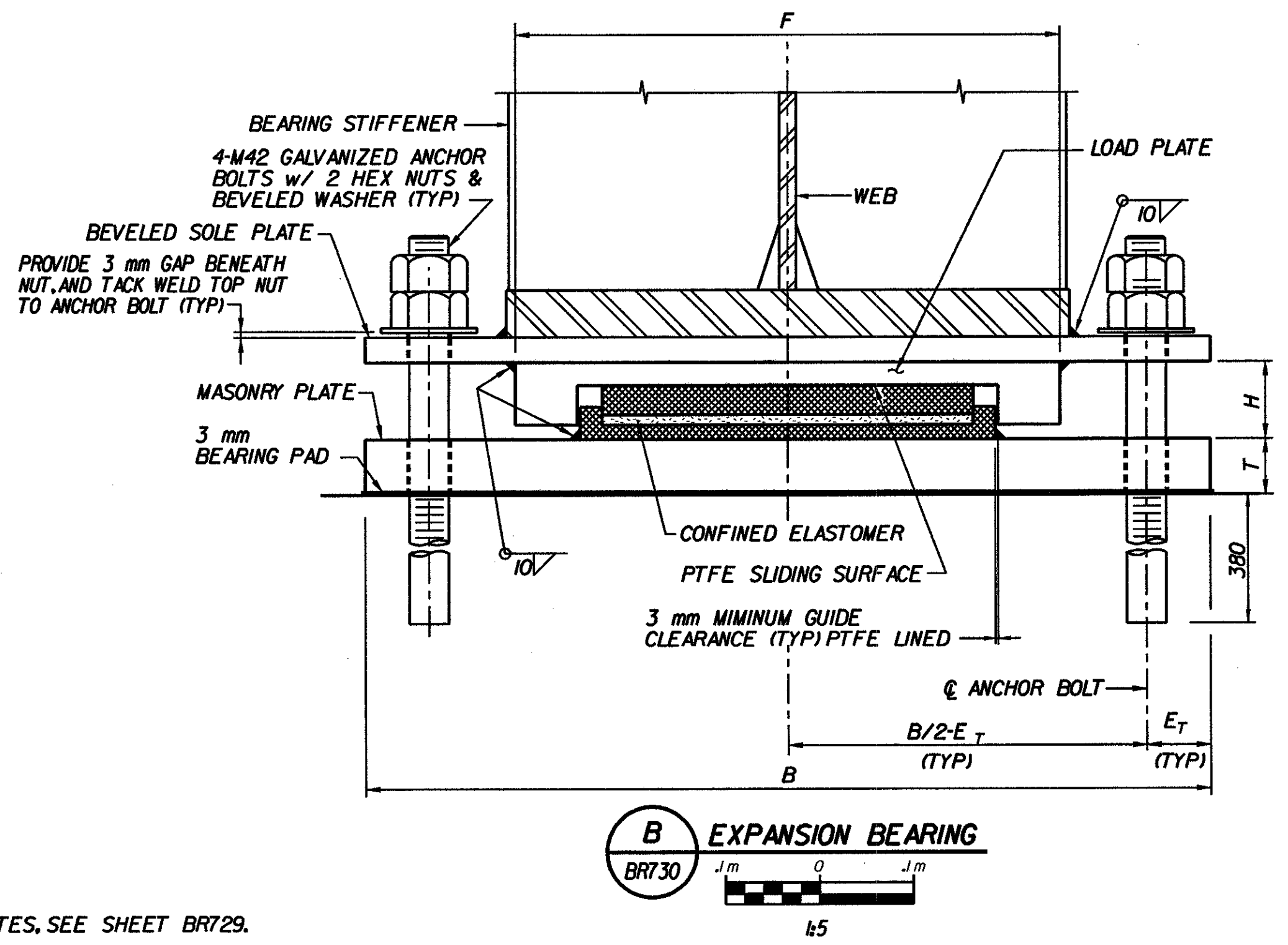
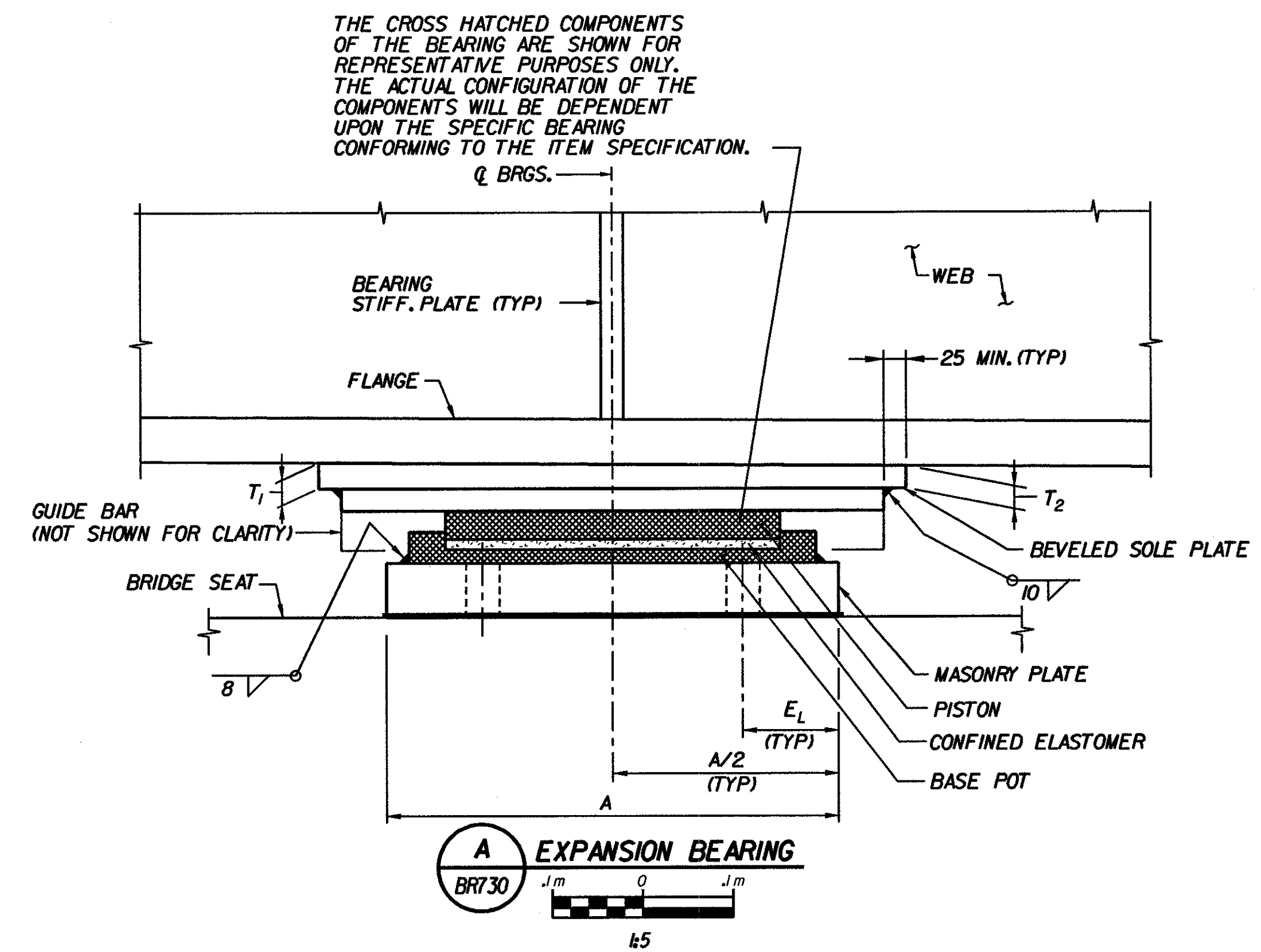


LOCATION	SKEW α
PIER 1	24° 00' 13"
PIER 2	22° 50' 14"
PIER 4	20° 30' 16"



**NOTES:**  
FOR BEARING NOTES, SEE SHEET BR729.

- \* ONE WAY LONGITUDINAL MOVEMENT IS THE MAXIMUM MOVEMENT (CONTRACTION) OF THE SUPERSTRUCTURE WHEN BEARINGS ARE SET @ 7% PLUS ELONGATION DUE TO CAMBER, PLUS AN ADDITIONAL 25 mm FOR TOLERANCE.
- \*\* BEARINGS SHALL BE CAPABLE OF MAINTAINING A MINIMUM LOAD OF 20% OF MAXIMUM DESIGN CAPACITY AT ALL TIMES.
- \*\*\* ALL BEARINGS SHALL BE CAPABLE OF RESISTING BOTH THEIR MAXIMUM HORIZONTAL AND VERTICAL DESIGN LOADS.

LOCATION	QTY. REQ'D	MAX. VERT. LOAD (KN) ***	MAX. HORIZ. LOAD (KN) ***	MIN. VERT. LOAD (KN) **	MAX. BEARING LOAD (KN)	DL+SDL (KN)	LL W/ I (KN)	ONE WAY * LONGIT. MOVEMENT	MASONRY R.			SOLE R.				LOAD R.		BRG.	ANCHOR BOLTS					
									A	B	T	C	B	T <sub>1</sub>	T <sub>2</sub>	G	J		D	F	H	DIA.	E <sub>T</sub>	E <sub>L</sub>
									PIER 1	8	2365	308	500	2500	1545	820	109		470	900	82	690	900	52
PIER 2	8	2568	336	600	3000	1680	888	65	490	900	82	620	900	44	20	80	109	570	576	109	42	72	106	
PIER 4	8	2732	344	600	3000	1720	1012	65	500	900	82	630	900	34	20	70	99	585	590	112	42	72	106	

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	BR700
Highway No.	VT. RTE. 9	Log Sta.	
		Surv. Sta.	16+800
VT. RTE. 9 OVER SILK ROAD AND WALLOOMSAC RIVER			
EXPANSION BEARING DETAILS (PIERS 1, 2 & 4)			
Designed By	F. GOGUEN	Drawn by	B. WEATHERBY
Checked By	R. SIPZNER	Date	6/00
		Bridge Design Supervisor	M. OLSTAD
		Date	9/00
PROJECT	BENNINGTON-HOOSICK	PROJECT NO.	D.P.#. 014611 C/4
L.G.C. Info.		Bridge Sheet No.	BR730
		Sheet	213 OF 385