

DIMENSIONS (IN)

Dimension	W. Abut.	Pier 2	E. Abut.	
D	11 ⁷ 8 "	20 ⁵ 8"	11 ⁷ 8 "	
L	12 "	20 ³ 4"	12"	
Wt	22"	28"	22"	
ТЬ	2'4"	21/2"	2'4"	
T†	1'2"	2 ³ 4"	1'2"	
Th	8 ⁵ 8"	12′2″	8 ⁵ 8"	
N	3	4	3	
а	9"	8"	9"	
b	9"	12 "	9"	
С	n/a	9′2″	n/a	
d	14 ¹ 2"	17 ¹ 2"	14 ¹ 2"	

DESIGN DATA

Data	W. Abut.	E. Abut.	Pier 2
Service Vertical Design Load (kips)	229	229	746
Factored Horizontal Design Load (kips)	22	22	96
Factored Design Rotation (rad)	0.013	0.008	0.013
Total Required Movement (in)	2.7	6.5	3.8

BILL OF MATERIAL

Item	Unit	Total	
Anchor Bolts, 1" Ø	Each	96	
High Load Multi-Rotational Bearings, Guided Expansion, 250K	Each	24	
High Load Multi-Rotational Bearings, Guided Expansion, 750K	Each	12	

1. The structural steel plates of the bearing assembly shall conform to the requirements of

2. Two ${}^{l}_{B}$ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

3. H.S. bolts in bearing assembly shall be galvanized according to AASHTO M298 Class 50. 4. If base cylinder is recessed into the bottom bearing plate, the thickness of the bottom plate shall be Tb plus the depth of the recess.

5. Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade and diameter specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

6. Anchor bolts may be either cast in place or installed in holes drilled after the supported member is in place. Drilled and set anchor bolts shall be installed according to Article

7. The cost of the elastomeric neoprene leveling pads, shim plates, and threaded studs shall be included in High Load Multi-Rotational Bearings.

.S	F.A.P. RTE.		SEC	TION		COUNTY	TOTAL	SHEET NO.
	345		8R	-R		KANE	794	513
	SN 045-0077		CONTRAC	T NO. 6	OH45			
STATION 98+32.18	FED. RO	OAD DIST.	NO. 7	ILLINOIS	FED. AL	D PROJECT		