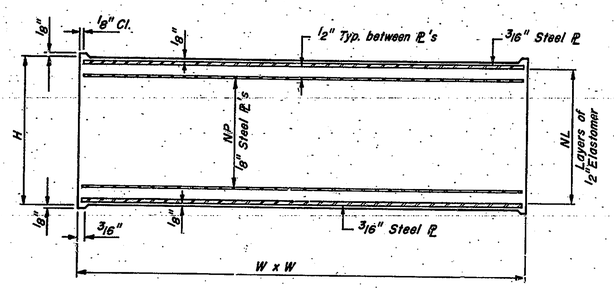
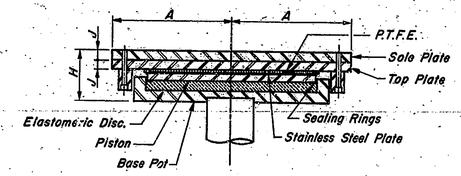


SECTION THRU BEARING

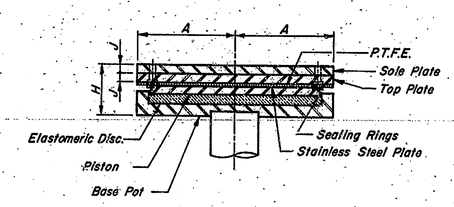
LOCATION	NL	NP	W x W	H	No. Req'd
Pier 401	7	6	30"x30"	4 7/8"	2
Pier 404	11	10	36"x36"	7 3/8"	2
Pier 406	11	10	36"x36"	7 3/8"	2
Pier 409	11	10	36"x36"	7 3/8"	2
Pier 402	4	3	30"x30"	3"	2
Pier 403	6	5	36"x36"	4 1/4"	2



GUIDED EXPANSION BEARING DETAIL *

LOCATION	CAPACITY	TRANSVERSE LOAD	A	B	H	J	DISPLACEMENT
ABUT. 400	150 TON	27.5 Ton.	8.38	9.125	3.94	.75	2.8"
PIER 405	600 TON	77.5 Ton	15.56	15.68	6.25	1.13	4.24"
EXP. JOINT	250 TON	40 Ton	10.44	16.75	4.59	.88	9"

NOTE: (*) Guided on left side (Looking up station).

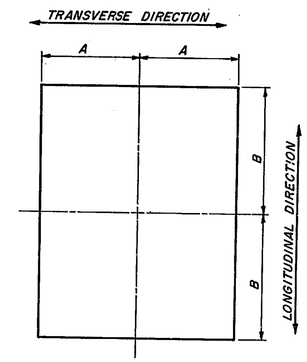


NON-GUIDED EXPANSION BEARING DETAIL

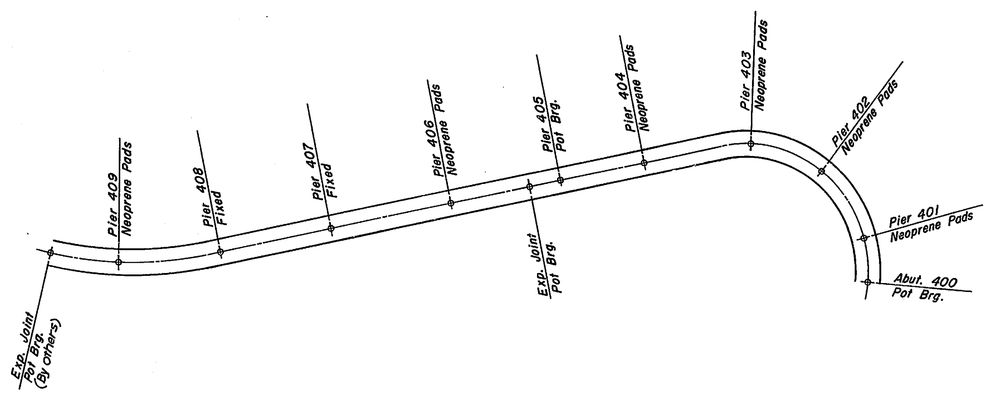
LOCATION	CAPICITY	A	B	H	J	DISPLACEMENT
ABUT. 400	150 TON	7.25"	9.125	3.94	.75	2.8"
PIER 405	600 TON	12.44"	15.68	6.25	1.13	4.24"
EXP. JOINT	250 TON	8.75"	16.75	4.59	.88	9"

NOTE: All dimensions for Neoprene and Pot Bearings vary and depend on Manufactures design.

Both Neoprene, as well as Pot Bearings are to be manufactured, supplied and installed by a reputable firm meeting the approval of the Engineer.



TOP PLAN OF GUIDED AND NON-GUIDED EXPANSION BEARINGS



LOCATION	TYPE	EXPANSION	CONTRACTION
ABUT. 400	S-S	1 1/8"	2 7/8"
C I	D 1040	8 1/8"	2 1/8"
6	MJ 780	5 1/2"	1 1/2"

EXPANSION JOINT MOVEMENT

APPROVED FOR CONSTRUCTION

W. B. ABBOTT 7-30-81
Assistant Engineer of Bridge Design

Figg and Muller Engineers Inc.
424 North Calhoun Street
Tallahassee Florida 32301

BEARING DETAILS

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- C SECTION:-

SCALE:- N.T.S. DATE:- MAY 26, 1981

SUBMITTED FOR APPROVAL Eugene C. Figg Jr.

DRAWING:- OF SHEET:- 337 OF

PROJECT:- MM 220-1(8)

CONTRACT NO. B-12750

BRIDGE FILE:- 912-45-2546 REN

EUGENE C. FIGG, JR. REGISTERED No. 18543 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGNED MM C'K'D MM
DRAWN R.E.T. C'K'D MM
TRACED R.E.T. C'K'D MM