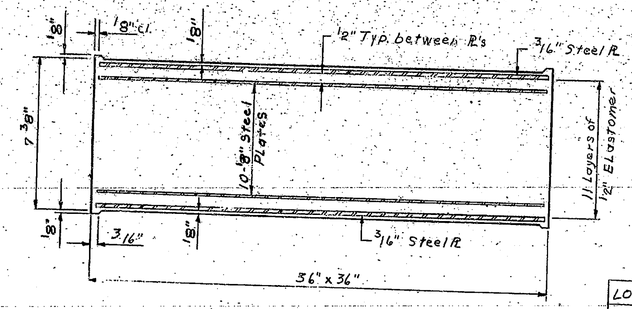
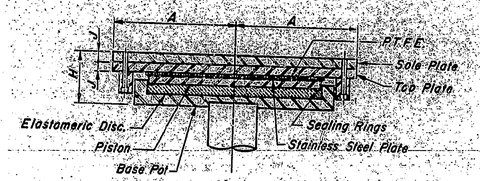


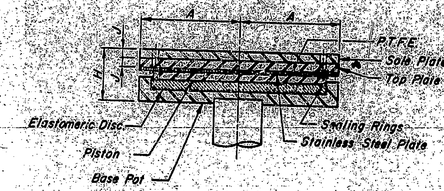
ELASTOMERIC BEARING DETAIL
(Pier 202 only, 3 Req'd)



GUIDED EXPANSION BEARING DETAIL *

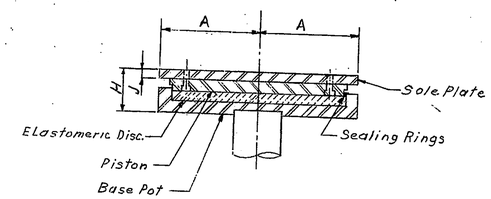
LOCATION	CAPACITY	No. Req'd	TRANSVERSE LOAD	A	B	H	J	DISPLACEMENT
ABUT. 200	150 TONS	1	15 Kips	8.38	9.25	3.94	.75	6" paral. to Brdg. axis
PIER 201	600 TONS	1	125 Kips	15.56	13.94	6.25	1.13	5" paral. to Brdg. axis
PIER 205	800 TONS	1	50 Kips					1/8" perp. to Brdg. axis
PIER 206	800 TONS	1	50 Kips					1/8" perp. to Brdg. axis

Note: (*) Bearings fixed transversly:
- On the left side, looking up station in the two Web area.
- In the middle in the three Web area.



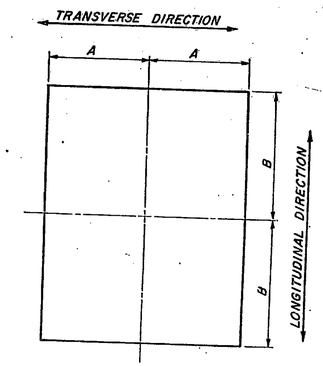
NON-GUIDED EXPANSION BEARING DETAIL

LOCATION	CAPACITY	No. Req'd	A	B	H	J	DISPLACEMENT
ABUT. 200	150 TON	2	7.25	9.25	3.94	.75	6"
PIER 201	600 TON	2	12.44	13.94	6.25	1.13	5"



FIXED POT BEARING DETAIL

LOCATION	CAPACITY	No. Req'd	TRANSVERSE LOAD	A	H	J
PIER 205	800 TON	1	50 Kips	14.25	5.66	1.38
PIER 206	800 TON	1	50 Kips	14.25	5.66	1.38



TOP PLAN OF GUIDED AND NON-GUIDED EXPANSION BEARINGS

LOCATION	TYPE	EXPANSION	CONTRACTION
ABUT 200	MJ-780	1 7/8"	6 3/8"

EXPANSION JOINT MOVEMENT

APPROVED FOR CONSTRUCTION
W. E. ABBOTT
Assistant Engineer of Bridge Design
9-17-81

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

BEARING DETAILS

INDIANA STATE HIGHWAY COMMISSION
LAKE COUNTY - RAMP:- A SECTION:-
SCALE:- N.T.S. DATE:- June 29, 1981
SUBMITTED FOR APPROVAL Eugene C. Figg Jr.
DRAWING:- OF SHEET:- 148 OF
PROJECT:- MM 220-1 (8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 RWX

DESIGNED M.M. C'K'D M.M.
DRAWN M.L.B. C'K'D G.R.
TRACED M.L.B. C'K'D G.R.