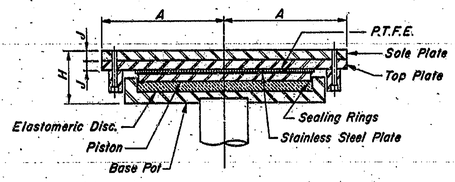
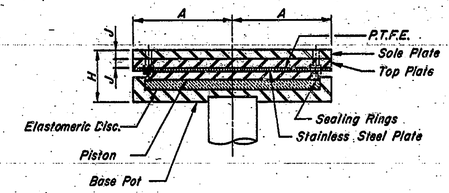


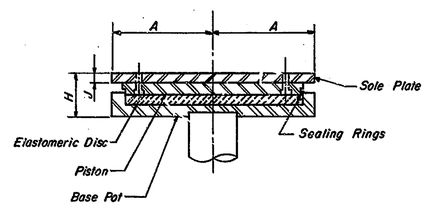
GUIDED EXPANSION BEARING DETAIL

LOCATION	CAPACITY	No. Req'd	TRANSVERSE LOAD	A	B	H	J	DISPLACEMENT
ABUT. 301	150 TON	1	15.00 TON	8.38	7.25	3.94	.75	2 3/8"
PIER 302	600 TON	1	42.00 TON	15.56	12.44	6.25	1.13	1 1/4"
PIER 303	700 TON	1	48.00 TON.	16.50	13.28	6.35	1.13	N/A



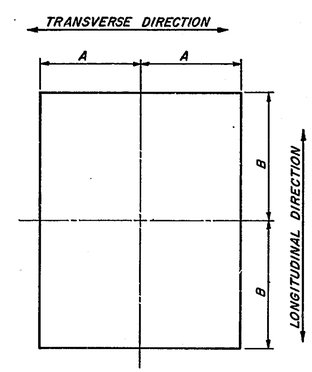
NON-GUIDED EXPANSION BEARING DETAIL

LOCATION	CAPACITY	No. Req'd	A	B	H	J	DISPLACEMENT
ABUT. 301	150 TON	1	7.25	7.25	3.94	.75	2 3/8"
PIER 302	600 TON	1	12.44	12.44	6.25	1.13	1 1/4"



FIXED POT BEARING DETAIL

LOCATION	CAPACITY	No. Req'd	TRANSVERSE LOAD	A	H	J
PIER 303	700 TON	1	71.00 TON	13.34	5.57	1.38



TOP PLAN OF GUIDED AND NON-GUIDED EXPANSION BEARINGS

LOCATION	TYPE	EXPANSION	CONTRACTION
Abut. 301	SS	3 5/8"	1"

EXPANSION JOINT MOVEMENT

APPROVED FOR CONSTR...
W. B. ABBOTT
Assistant Engineer Service Design 11-2-81

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

BEARING DETAILS

INDIANA STATE HIGHWAY COMMISSION

LAKE COUNTY - RAMP:- B SECTION:-
SCALE:- N.T.S. DATE:- July 29, 1981
SUBMITTED FOR APPROVAL Eugene C. Figg Jr.
DRAWING:- OF SHEET:- 314 OF
PROJECT:- MM 220-1 (8)
CONTRACT NO. B-12752
BRIDGE FILE:- 912-45-2546 RWN

EUGENE C. FIGG JR. REGISTERED No. 15443 STATE OF FLORIDA PROFESSIONAL ENGINEER

DESIGNED MM C'K'D MM
DRAWN MLB C'K'D GR
TRACED MLB C'K'D GR