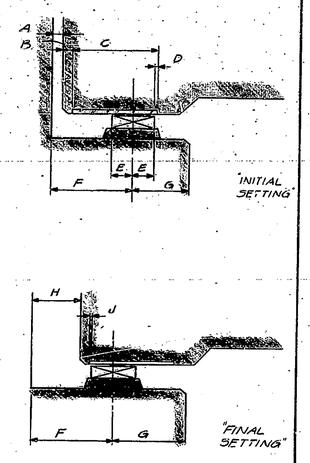
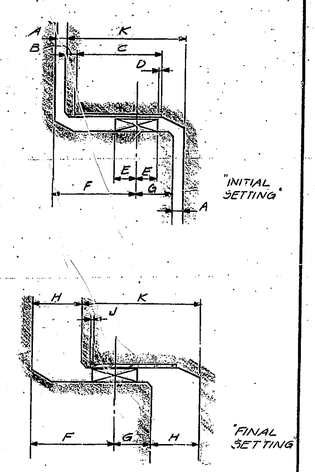


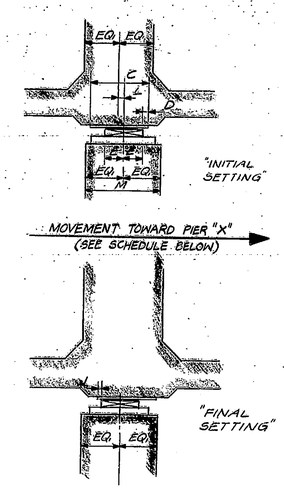
BEARING SETTING AT ABUTMENTS

DETAIL 1



BEARING SETTING AT HINGES

DETAIL 2



BEARING SETTING AT EXPANSION PIERS

DETAIL 3

NOTE:

1. MOVEMENTS AND SETTINGS OF EXPANSION JOINT ASSEMBLIES ARE DETERMINED AT MEAN TEMPERATURE 60° F.

2. TOTAL DIMENSION 'A' PLUS 'K' (FACE TO FACE OF DIAPHRAGM) FOR E.B.L. AND W.B.L. OF EXPANSION JOINT 3 EQUALS 6'-3".
   'A' PLUS 'K' FOR EXPANSION JOINTS 2, 5, 7 AND 8 EQUALS 6'-0".

BEARING SETTING SCHEDULE

DIMENSION LETTER (SEE DETAILS)	ABUTMENTS SEE DETAIL 1		HINGES SEE DETAIL 2												
	PIER NUMBERS		EXP. JT. 2		EXP. JT. 3 (SEE NOTE 2)		EXP. JT. 4 RAMP "A"	EXP. JT. 5		EXP. JT. 6 RAMP "C"	EXP. JT. 7		EXP. JT. 8		EXP. JT. 9 RAMP "D"
	2	30	INTERIOR	EXTERIOR	INTERIOR	EXTERIOR		INTERIOR	EXTERIOR		INTERIOR	EXTERIOR	INTERIOR	EXTERIOR	
A	8 4"	1'-2 7/8	3 1/2"	3 1/2"	4"	4"	4"	3 3/8"	3 3/8"	2"	3"	3"	4 1/4"	4 1/4"	2 3/8"
B	2"	6"	11"	8"	1'-1 1/4	10 1/4"	3 1/2"	1'-4 1/8	1'-1 5/8	9 3/8"	1'-7 3/8	1'-4 7/8	1'-1 1/2	11"	10"
C	2'-2	2'-5 1/2	3'-7	3'-4 1/2	3'-4 1/2	3'-10 1/2	2'-9 1/2	2'-9	3'-2	2'-3 3/4	2'-3 1/4	2'-8 1/4	3'-0 1/2	3'-5 1/2	2'-2 1/2
D	0"	3 7/8"	4"	4"	7 1/4"	7 1/4"	4"	1 7/8"	1 7/8"	0"	3"	3"	4"	4"	0"
E	4 3/4	8"	6"	5 1/2"	5 1/2"	8"	8 1/2"	6"	8 1/2"	8 1/2"	6"	8 1/2"	6"	8 1/2"	6 1/2"
F	2'-7 1/2	3'-0 1/2	3'-6 1/2	3'-6 1/2	3'-9	3'-9	2'-8	3'-8 5/8	3'-8 5/8	2'-6 1/4	3'-4 5/8	3'-4 5/8	3'-8 1/4	3'-8 1/4	2'-8 5/8
G	1'-10 1/2	2'-11 1/2	2'-2	2'-2	2'-2	2'-2	1'-2 1/2	2'-0	2'-0	1'-4 1/4	2'-4 3/8	2'-4 3/8	1'-11 1/2	1'-11 1/2	1'-1 3/8
H	1'-11 3/4	1'-8 1/2	2'-0	2'-0	2'-1 1/2	2'-1 1/2	1'-7 3/4	1'-9 1/4	1'-9 1/4	1'-1	1'-2	1'-2	1'-9	1'-9	1'-3
J	1"	4"	3"	1 1/2"	1 1/4"	1 1/4"	1 1/2"	1 1/4"	1 1/4"	0"	1 1/4"	1 1/4"	3 3/4"	3 3/4"	1 1/8"
K			5'-8 1/2	5'-8 1/2	5'-11	5'-11	3'-10 1/2	5'-8 5/8	5'-8 5/8	3'-10 1/2	5'-9	5'-9	5'-7 3/4	5'-7 3/4	3'-10 1/2
L															
M															

DIMENSION LETTER (SEE DETAILS)	EXPANSION PIERS SEE DETAIL 3																	REMARKS
AT PIER NUMBER	3	4	7, 7'	8, 8'	11	11'	16, 16'	19, 19'	20, 20'	23, 23'	24, 24'	25, 25'	26, 26'	29'	105	304		
TOWARD PIER "X"	4	5	6	9, 9'	10	10'	17, 17'	18, 18'	21, 21'	22, 22'	23, 23'	26, 26'	27, 27'	28'	106	305		
A																		
B																		
C	3'-9	3'-9	4'-0	4'-1	4'-4	4'-7	3'-4 1/2	3'-3 1/2	3'-3 1/4	3'-3 1/4	3'-7 1/4	3'-9 3/4	3'-6	3'-3	2'-10 1/4	2'-7 1/2		
D	4 3/4"	3 3/4"	4 1/4"	4 1/4"	4 3/4"	4 1/2"	3 3/8"	3 3/4"	3 1/4"	3 3/4"	3 1/4"	4"	2 3/8"	2 3/4"	3"	2 3/8"		
E	1'-3 3/8	1'-5	1'-5 1/4	1'-5 1/2	1'-6 1/2	1'-8 1/4	1'-3 3/8	1'-2 1/2	1'-2 7/8	1'-2 7/8	1'-3 3/8	1'-3 1/2	1'-4 1/4	1'-3	11 3/4	10 7/8		
F																		
G																		
H																		
J	1 1/2"	1 3/4"	2"	1 3/4"	1 3/4"	1 3/4"	2 3/8"	2 1/2"	2 1/4"	2 1/4"	3"	2 1/2"	2 3/8"	2 1/2"	2 5/8"	3 1/4"		
K																		
L	2 1/2"	1 3/4"	2 1/2"	2 3/4"	2 3/4"	2 3/4"	1 1/2"	2 3/4"	1 1/2"	1"	3"	3 1/2"	2 1/2"	2"	2 1/2"	2 1/2"		
M	4'-6	4'-6	4'-6	5'-6	6'-0	6'-0	6'-0	5'-6	5'-6	5'-0	5'-0	5'-0	5'-0	4'-6	5'-0	5'-0		

APPROVED FOR CONSTRUCTION

J. D. Mattis

J. D. MATTIS
Engineer of Bridge Plans

9-7-82

N	REVISION	DATE

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SHEET TITLE

BEARING DETAILS - EXPANSION ASSEMBLY SETTINGS

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2548 CONTRACT NO. 8-11812
INDIANA STATE HIGHWAY COMMISSION

SHEET N.

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