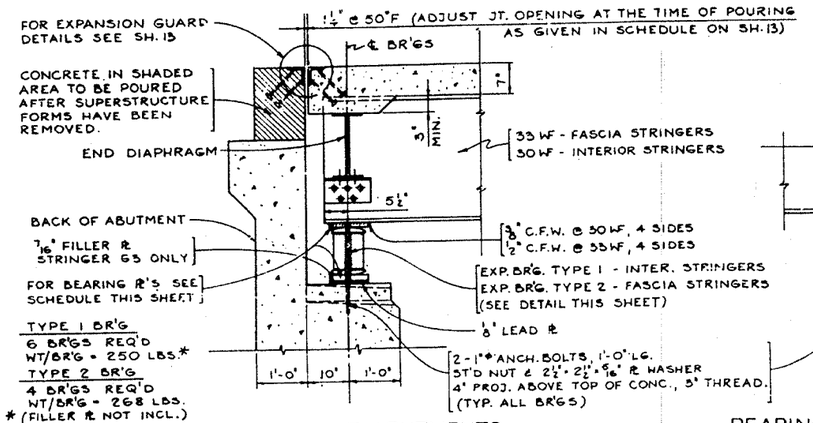
ROUTE NO.	SEC/PROJ	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80	37-1HB-1	HENRY	133	37
PROJ. ROAD DIST. NO.	ILLINOIS	FED. AID PROJ.		

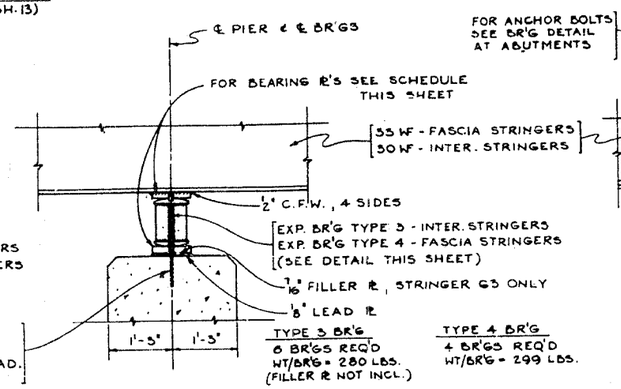


TYPE 1 BR'G
6 BR'GS REQ'D
WT/BR'G = 250 LBS.*

TYPE 2 BR'G
4 BR'GS REQ'D
WT/BR'G = 268 LBS.
* (FILLER ℞ NOT INCL.)

BEARING DETAIL AT ABUTMENTS

SCALE ¾" = 1'-0"

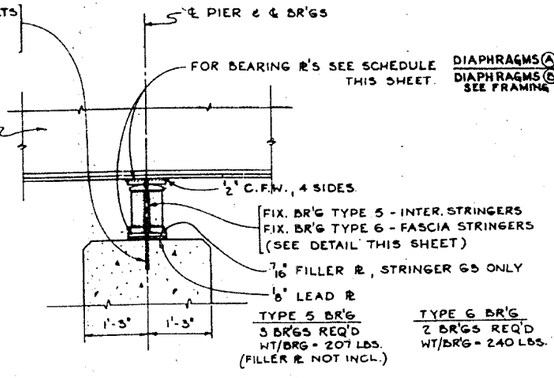


TYPE 3 BR'G
6 BR'GS REQ'D
WT/BR'G = 280 LBS.
(FILLER ℞ NOT INCL.)

TYPE 4 BR'G
4 BR'GS REQ'D
WT/BR'G = 299 LBS.

BEARING DETAIL AT PIERS 1 & 3

SCALE ¾" = 1'-0"

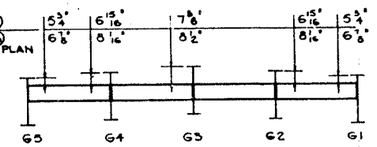


TYPE 5 BR'G
3 BR'GS REQ'D
WT/BR'G = 207 LBS.
(FILLER ℞ NOT INCL.)

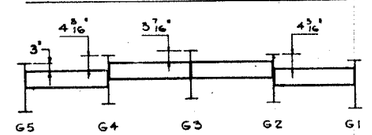
TYPE 6 BR'G
2 BR'GS REQ'D
WT/BR'G = 240 LBS.

BEARING DETAIL AT PIER 2

SCALE ¾" = 1'-0"

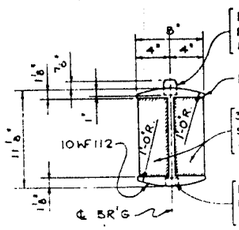


INTERMEDIATE DIAPHRAGMS

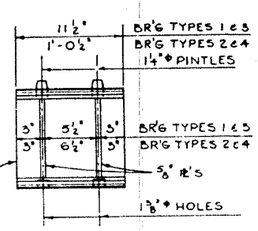


END DIAPHRAGMS

DIAPHRAGM OFFSETS



END VIEW

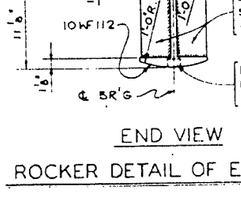


SIDE VIEW

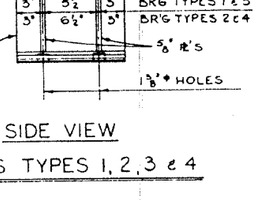
ROCKER DETAIL OF EXPANSION BEARINGS TYPES 1, 2, 3 & 4

SCALE 1½" = 1'-0"

BEARING PLATE SCHEDULE												
	TOP PLATE						BOTTOM PLATE					
BR'G TYPE / DIM'N	1	2	3	4	5	6	1	2	3	4	5	6
A	11½"	1'-0½"	11½"	1'-0½"	10½"	11½"	1'-7"	1'-8"	1'-7"	1'-8"	1'-6"	1'-7"
B	5"	5"	5"	5"	2½"	5"	6¾"	6¾"	6¾"	6¾"		
THICKNESS	1"	1"	1⅜"	1⅜"	1"	1¼"	1⅜"	1⅜"	1⅜"	1⅜"	¾"	1"



END VIEW



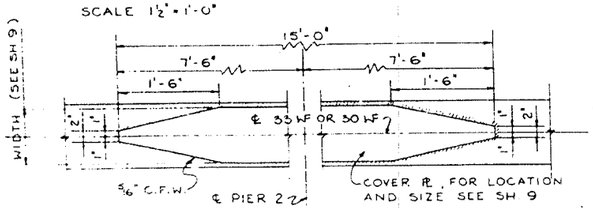
SIDE VIEW

BOLSTER DETAIL OF FIXED BEARINGS TYPES 5 & 6

SCALE 1½" = 1'-0"

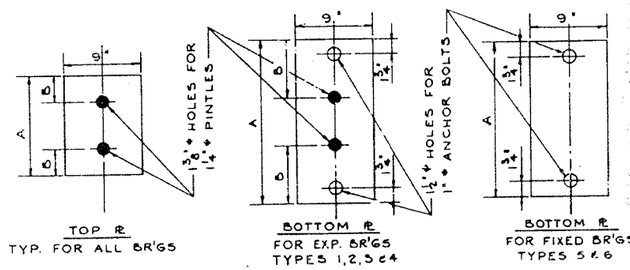
PINTLE DETAIL

HALF SIZE



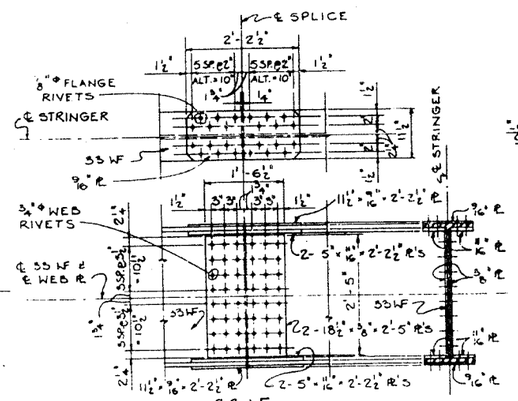
TYPICAL PLAN DETAIL OF COVER ℞'S

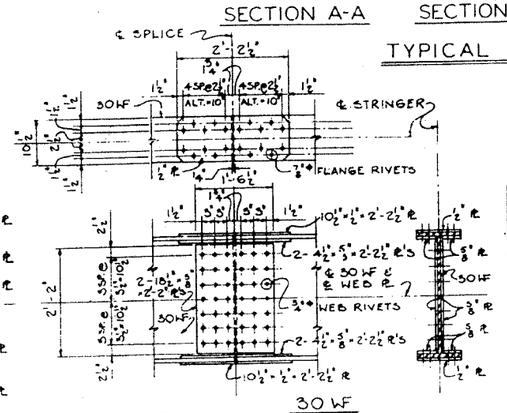
NOT TO SCALE



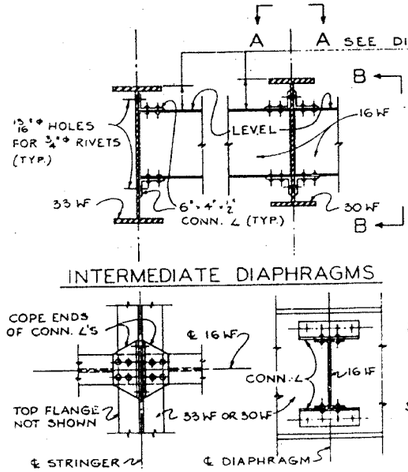
BEARING PLATE DETAILS

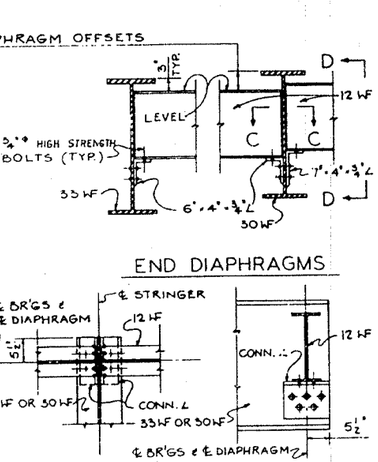
FOR SIZES AND DIMENSIONS SEE BEARING ℞ SCHEDULE





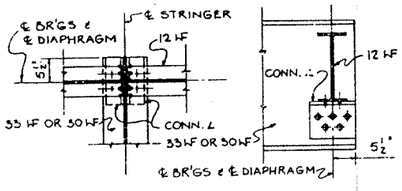
TYPICAL FIELD SPLICE DETAILS





INTERMEDIATE DIAPHRAGMS

END DIAPHRAGMS



SECTION A-A SECTION B-B SECTION C-C SECTION D-D

TYPICAL DIAPHRAGM DETAILS

SCALE ¾" = 1'-0"

BILL OF MATERIAL *		
ITEM	UNIT	QUANTITY
FURNISHING & ERECTING STRUCTURAL STEEL	POUND	6,654

* INCLUDES BEARINGS & FILL ℞'S ONLY. SEE SH. 11 FOR OTHER STEEL.

SUPERSTRUCTURE - BEARINGS AND MISCELLANEOUS DETAILS

F.A.I. 80 SECTION 37-1HB-1

F.A.I. 80 UNDER S.B.I.-7 (ALT.)

HENRY COUNTY

STATION 461+72.02

SCALE: AS NOTED DATE:

DE LEUW, CATHER & CO., ENGINEERS
DESIGNED BY V.K. BURKEVICS
DRAWN BY V.K. BURKEVICS
CHECKED P.S. MARTIN