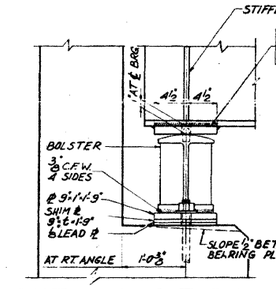
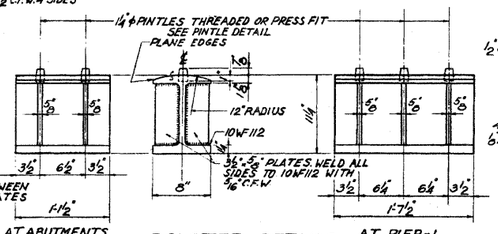
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P.61	22-5HB-1 22-1HB-9	DU PAGE	181	101
STA.	TO STA.			
S. P. R. REG. NO. 6	ILLINOIS	PROJECT		

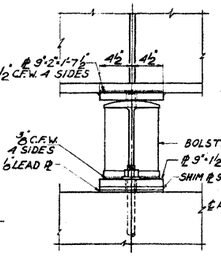
SHEET 14 OF 25



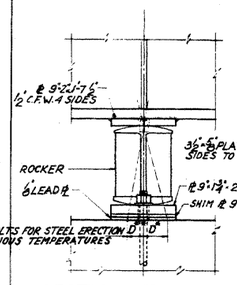
SECTION AT ABUTMENTS



BOLSTER DETAILS



SECTION AT PIER-1



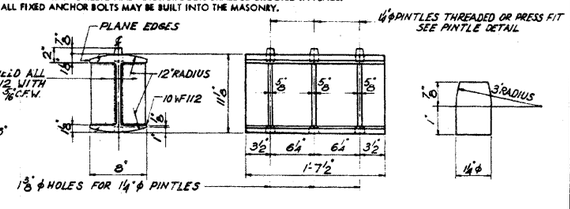
SECTION AT PIER-2

NOTES ON SETTING OF ANCHOR BOLTS AT EXPANSION BEARINGS

a. D^a (SIDE OF BEARING AWAY FROM FIXED BEARING) D^a = 1/8" PER EACH 100° OF EXPANSION FOR EVERY 15° FALL BELOW THE NORMAL TEMP. OF 50° F.

D^{aa} (SIDE OF BEARING TOWARD FIXED BEARING) D^{aa} = 1/8" PER EACH 100° OF EXPANSION FOR EVERY 15° RISE ABOVE THE NORMAL TEMP. OF 50° F.

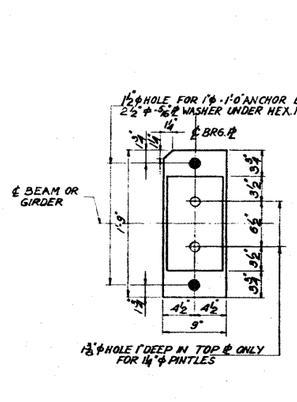
b. AFTER BEAMS HAVE BEEN ERECTED AND DIMENSIONS D^a OR D^{aa} DETERMINED, HOLES SHALL BE DRILLED AND ANCHOR BOLTS SHALL BE GROUTED IN PLACE. ALL FIXED ANCHOR BOLTS MAY BE BUILT INTO THE MASONRY.



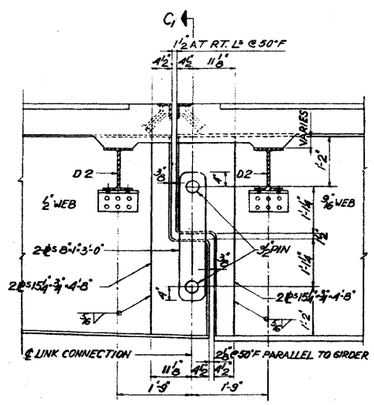
ROCKER DETAIL AT PIER-2

PINTLE DETAIL

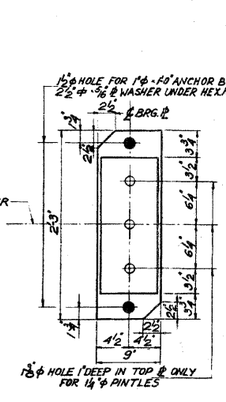
NOTE: FOR "ℓ" DIMENSIONS SEE FRAMING PLAN



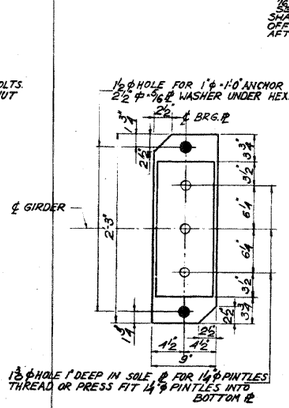
PLAN AT ABUTMENTS
SCALE: 1½"=1'-0"



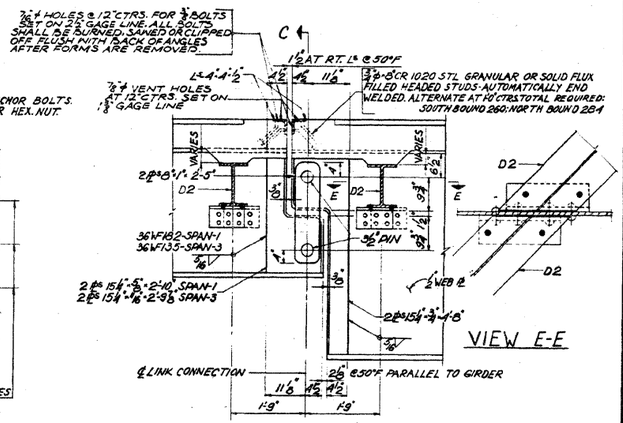
EXTERIOR GIRDERS
DETAIL OF LINK CONNECTION
SCALE: ¾"=1'-0"



PLAN AT PIER-1
SCALE: 1½"=1'-0"

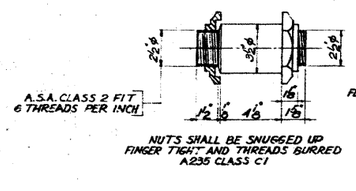


PLAN AT PIER-2
SCALE: 1½"=1'-0"

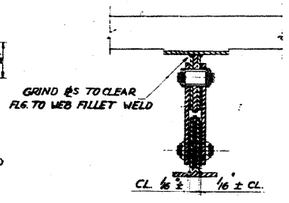


INTERIOR GIRDERS
DETAIL OF LINK CONNECTION
SCALE: ¾"=1'-0"

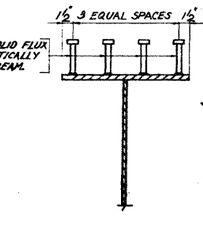
VIEW E-E



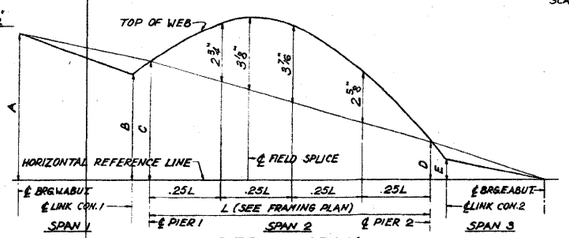
PIN DETAIL
NO REQ'D=60
SCALE: 3"=1'-0"



SECTION C-C
SECTION C-C, SIMILAR
SCALE: ¾"=1'-0"



SHEAR LUG DETAIL
SCALE: 1½"=1'-0"



CAMBER DIAGRAM

TABLE OF CAMBER DIMENSION

GIRDER	A	B	C	D	E
1-12 INCL	5'-4 5/16"	4'-1 7/16"	1'-0 1/2"	1'-2 9/16"	1'-0 5/16"
13	5'-1 5/16"	4'-0"	3'-11 7/16"	1'-2 9/16"	1'-0 5/16"
14	4'-11 3/16"	3'-10 1/4"	3'-10"	1'-2 9/16"	1'-0 3/16"
15	4'-8 1/2"	3'-9 1/4"	3'-8 3/16"	1'-2 9/16"	1'-0 3/16"

ALFRED BENESCH & COMPANY
CONSULTING ENGINEERS
10 S. WABASH AVE. CHICAGO, ILLINOIS

STEEL DETAILS
F.A.P. ROUTE 61 OVER
ILLINOIS ROUTE 53 (ROHLWING ROAD)
PROJECT
SECTIONS 22-5HB-1 & 22-1HB-9
DU PAGE COUNTY
STATION 1250+83.16

EXISTING PLAN INFORMATION 11 OF 17
STRUCTURE NO. 022-0137

FOR INFORMATION ONLY

benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10050

SHEET NO. 26	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32 SHEETS	290 / 355	22(1, 1-1, 2&3)RS-7	DUPAGE	546	439
			CONTRACT NO. 60G51		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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