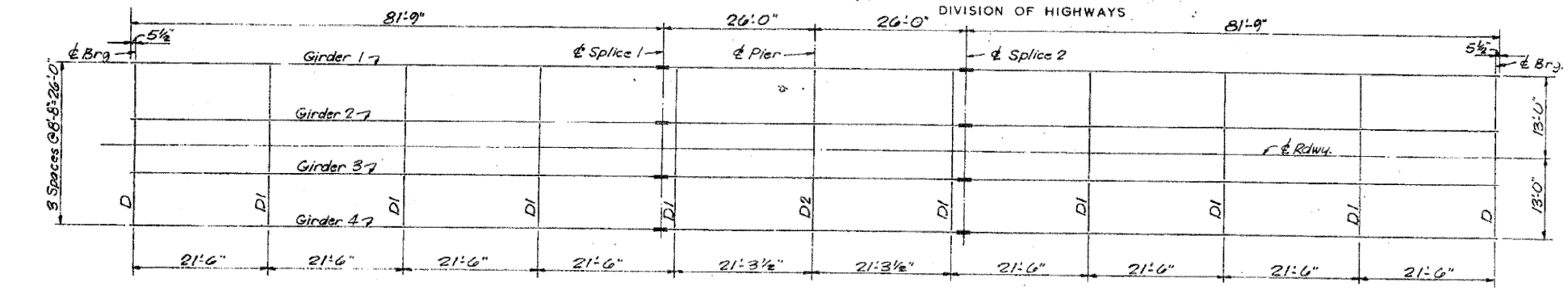
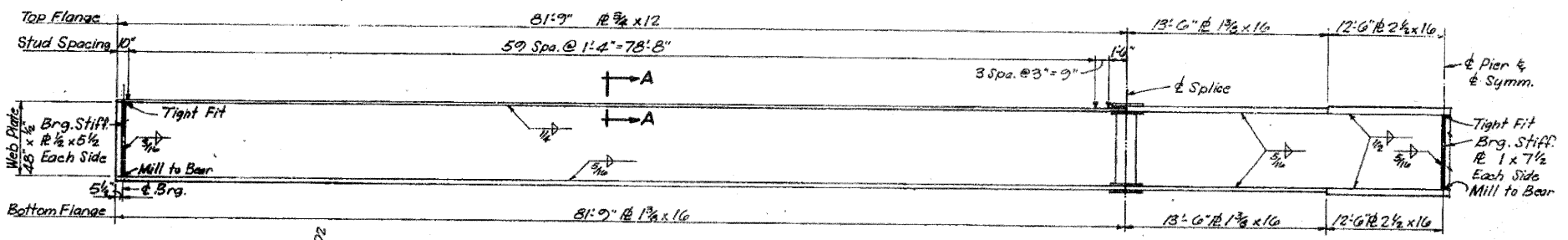


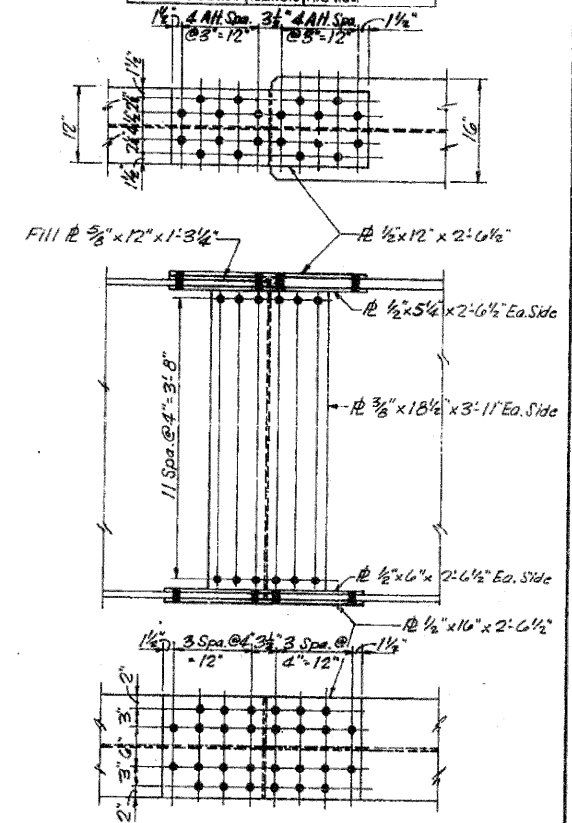
ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6
FA. 403	100-000	WHITESIDE	42	15	11 SHEETS
FED. ROAD DIST. NO. 7 ILLINOIS PA PROJ.					



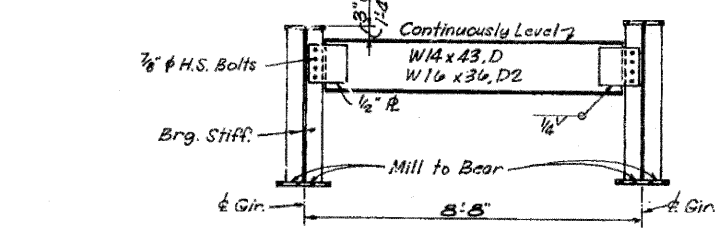
FRAMING PLAN



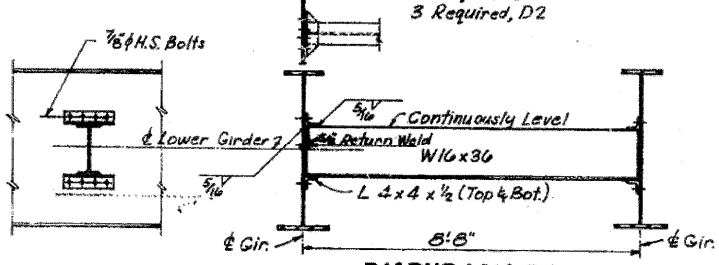
HALF GIRDER ELEVATION



SPlice DETAILS
(All Bolts 1/2" H.S.)



DIAPHRAGM D & D2
6 Required, D
3 Required, D2



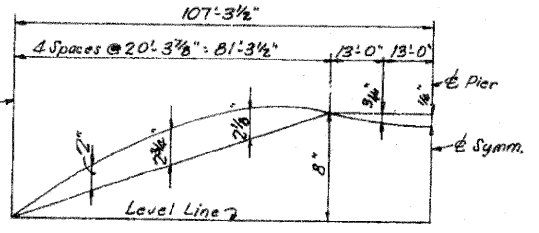
DIAPHRAGM D1
24 Required

MOMENT & SHEAR TABLE		
	0.4 Sp. 1	Pier
I_x (in ⁴)	21462	55655
S_x (in ³)	1101	2099
DL (Kip)	1043	1043
Max (Kip)	693	1819
V_{max} (Kip)	7.61	10.39
$V_{in-30ft}$ (Kip)	48.479	
S_y (in ³)	148	
Spa. (Kip)	0.561	0.561
Max (Kip)	355	823
I_y (in ⁴)	3.37	4.70
I_{y-10ft} (in ⁴)	21.53	
S_y (in ³)	1.6	
Max (Kip)	2.9	4.93
Min (Kip)	0.8	1.8
Max (Kip)	2.07	4.18
Min (Kip)	1.75	3.97
V_{max} (Kip)	30.2	

I_x and S_x are the moment of inertia & Brg. A but. and section modulus of the steel section.
 I_y and S_y are the moment of inertia and section modulus of the composite section used in computing f_v .
 V_{max} is the maximum V in impact shear range in span.

TOP OF WEB ELEVATIONS*				
	Girder 1	Girder 2	Girder 3	Girder 4
Brig. N. Abut.	655.027	135.016	255.911	655.027
Splice 1	655.027			655.027
Pier	655.027			655.027
Splice 2	655.027			655.027
Brig. S. Abut.	655.027			655.027

*For Fabrication Only



HALF CAMBER DIAGRAM
(Includes Allowance for Vertical Curve)

DESIGNED: S. McKnight
CHECKED: A. Chugh
DRAWN: C. Clary
CHECKED: J. McKnight

EXAMINED _____
PASSED _____
APPROVED _____

EXISTING BEARINGS ARE ROCKER BEARINGS
ROCKERS ARE W10x112, 18" IN LENGTH
BOTTOM PLATES ARE 1.25" x 9" x 25.5"
TOP PLATES ARE 1" x 9" x 18"

SECTION A-A
(378 Studs per Girder)