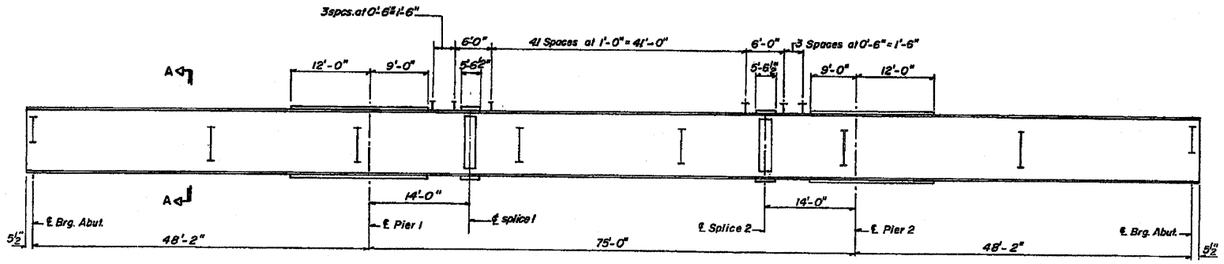
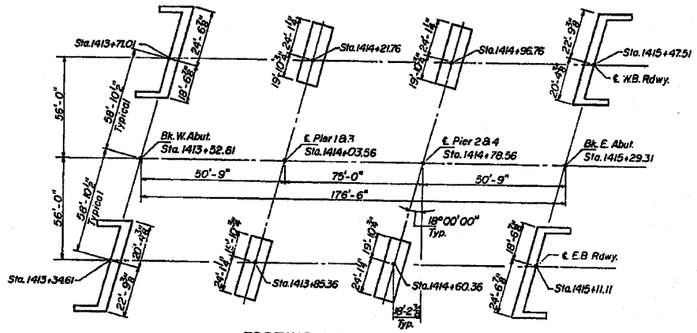
FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. 403	195-1-2	WHITESIDE	230	83
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

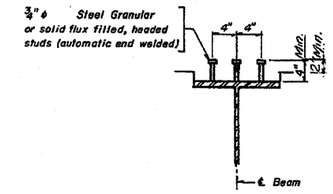
SHEET NO. 8
17 SHEETS



BEAM ELEVATION
WEST BOUND SHOWN
EAST BOUND SAME



FOOTING LAYOUT



SECTION A-A
No. Req'd. 1800

WEST BOUND BRIDGE

* TOP OF BEAM ELEVATIONS

LOCATION	GIRDER 1	GIRDER 2	GIRDER 3	GIRDER 4	GIRDER 5	GIRDER 6
℄ Brg. Abut. A	603.195	603.342	603.455	603.514	603.399	603.261
℄ Pier 1	603.172	603.321	603.438	603.500	603.387	603.252
℄ Splice 1	603.165	603.315	603.433	603.495	603.383	603.249
℄ Splice 2	603.126	603.280	603.400	603.465	603.355	603.224
℄ Pier 2	603.110	603.265	603.386	603.451	603.342	603.212
℄ Brg. Abut. B	603.054	603.211	603.334	603.403	603.297	603.169

(Composite in positive moment areas only)

INTERIOR GIRDER MOMENT TABLE		0.4 Span 1 or 3	Pier 1 or 2	0.5 Span 2
Is	(in^4)	8160	11213	8160
Ic	(in^4)	———	———	20786
Ss	(in^3)	487	650	487
Sc	(in^3)	———	———	700
D	(k/ℓ)	0.897	1.303	0.897
MD	(ik)	101	372	259
fs D	(ksi)	2.49	6.87	6.38
S D	(k/ℓ)	0.406	.406	0.406
Ms D	(ik)	57	141	144
ML + Imp	(ik)	403	342	632
Total	(ik)	460	483	776
fs L	(ksi)	11.93	8.92	1330
fs Total	(ksi)	13.82	15.79	19.68
VR	(k)	51.9	———	52.7

INTERIOR GIRDER REACTION TABLE	Abutments	Piers
R D + S D (k)	20.7	90.8
R L + Imp. (k)	52.7	65.0
R Total (k)	73.4	155.8

I_s and S_s are the moment of inertia and section modulus of steel section.
I_c and S_c are the moment of inertia and section modulus of the composite section used in computing f_s.
V_R is the maximum L + Impact Shear range in span.

EAST BOUND BRIDGE

* TOP OF BEAM ELEVATIONS

LOCATION	GIRDER 1	GIRDER 2	GIRDER 3	GIRDER 4	GIRDER 5	GIRDER 6
℄ Brg. Abut. C	603.212	603.341	603.448	603.380	603.257	603.102
℄ Pier 3	603.234	603.365	603.476	603.410	603.290	603.137
℄ Splice 3	603.240	603.372	603.483	603.418	603.299	603.147
℄ Splice 4	603.245	603.379	603.493	603.431	603.315	603.165
℄ Pier 4	603.242	603.377	603.492	603.431	603.315	603.166
℄ Brg. Abut. D	603.230	603.368	603.485	603.427	603.314	603.168

* For fabrication only.

NOTE: Deflection not included

DESIGNED	A.A.
CHECKED	D.M.P.
DRAWN	G.G.
CHECKED	D.M.P.

098-0059, 60

SUPERSTRUCTURE STEEL

FA 403 SECTION 195-1B-1

FA 403 OVER ROCK CREEK

WHITESIDE COUNTY

STATION 1414+33.00

* FAI Route 88 & FAP Route 309 (I-88 & US 30)

** D2 Bridge Painting 2009-2