

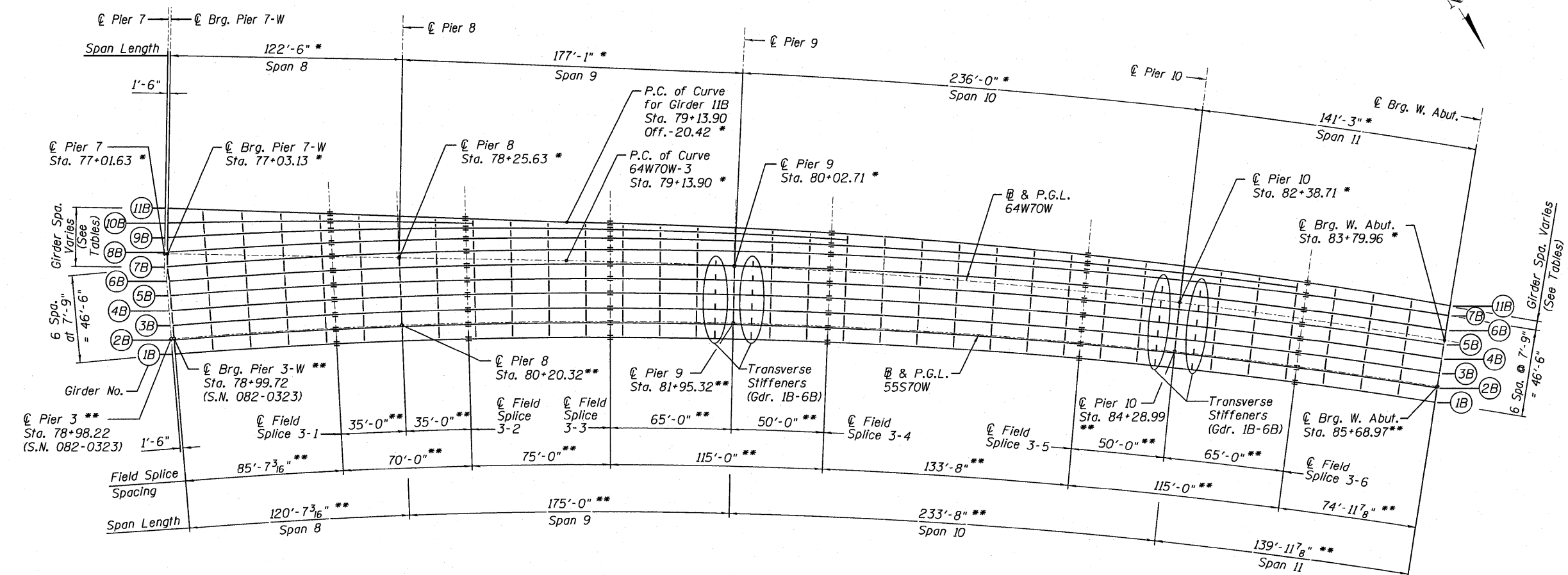
GIRDER SPACING TABLES

Girder Spa.	℄ Brg. Pier 7-W	℄ Pier 8
7B-8B	7'-9 ⁵ / ₁₆ "	6'-10"
8B-9B	7'-9 ⁹ / ₁₆ "	6'-1 ³ / ₄ "
9B-10B	7'-8 ¹ / ₁₆ "	3'-8 ³ / ₄ "
10B-11B	7'-11 ⁵ / ₁₆ "	3'-0 ³ / ₁₆ "

Girder Spa.	℄ Pier 9
7B-8B	5'-6 ¹ / ₄ "
8B-9B	3'-10"
9B-11B	3'-1 ³ / ₄ "

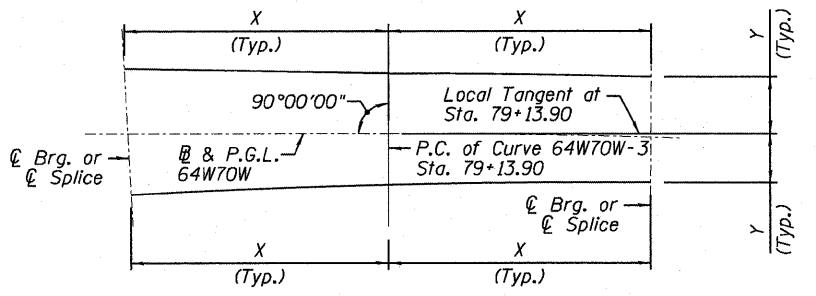
Girder Spa.	℄ Pier 10
7B-8B	3'-9 ³ / ₈ "
8B-11B	3'-10 ⁷ / ₈ "

Girder Spa.	℄ Brg. W. Abut.
7B-11B	5'-3 ¹ / ₄ "



GIRDER FRAMING PLAN I - S.N. 082-0325 - UNIT 3

* Dimension measured along ℄ 64W70W.
 ** Dimension measured along ℄ 55S70W.



CURVED GIRDER LAYOUT - S.N. 082-0325 - UNIT 3

X measured along Local Tangent.

GIRDER COORDINATES - S.N. 082-0325 - UNIT 3

All dimensions in feet.

Girder	Brg. Pier 7-W		Splice 3-1		Pier 8		Splice 3-2		Splice 3-3		Pier 9		Splice 3-4		Splice 3-5		Pier 10		Splice 3-6		Brg. W. Abut.		
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	
1B	-205.766	-53.100	-120.710	-46.134	-85.878	-44.022	-51.022	-42.337	23.723	-40.168	88.529	-39.879	138.375	-40.661	271.480	-47.041	321.172	-51.029	385.654	-57.515	459.837	-66.822	
2B	-206.519	-45.386	-121.227	-38.401	-86.299	-36.283	-51.348	-34.594	23.600	-32.419	88.583	-32.129	138.565	-32.913	272.032	-39.310	321.860	-43.310	386.517	-49.814	460.902	-59.145	
3B	-207.271	-37.673	-121.743	-30.669	-86.721	-28.545	-51.675	-26.851	23.477	-24.670	88.637	-24.379	138.754	-25.166	272.585	-31.580	322.548	-35.590	387.380	-42.112	461.968	-51.469	
4B	-208.024	-29.960	-122.260	-22.936	-87.143	-20.806	-52.002	-19.108	23.354	-16.921	88.690	-16.629	138.944	-17.418	273.137	-23.850	323.235	-27.871	388.244	-34.410	463.034	-43.792	
5B	-208.776	-22.246	-122.776	-15.203	-87.564	-13.068	-52.328	-11.365	23.232	-9.172	88.744	-8.879	139.133	-9.670	273.689	-16.119	323.923	-20.151	389.107	-26.708	464.099	-36.116	
6B	-209.528	-14.533	-123.293	-7.470	-87.986	-5.329	-52.655	-3.622	23.109	-1.423	88.798	-1.130	139.323	-1.923	274.242	-8.389	324.611	-12.432	389.971	-19.007	465.165	-28.440	
7B	-210.274	-6.867	-123.810	0.262	-88.407	2.409	-52.982	4.122	22.986	6.326	88.852	6.620	139.512	5.825	274.794	-0.659	325.299	-4.713	390.834	-11.305	466.231	-20.763	
8B	-210.774	0.908	-124.283	7.343	-88.779	9.233	-53.259	10.686	22.890	12.333	88.890	12.141	139.638	10.971	275.090	3.483	325.634	-0.945	386.160	-7.424	---	---	
9B	-210.774	8.669	-124.723	13.937	-89.114	15.369	-53.498	16.363	22.816	17.023	88.916	15.975	148.261	13.751	---	---	---	---	---	---	---	---	---
10B	-210.774	16.392	-125.050	18.824	-89.316	19.092	-49.640	18.876	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
11B	-210.774	24.388	-125.314	22.778	-89.481	22.103	-53.712	21.429	22.763	20.332	88.938	19.120	139.791	17.211	275.410	7.956	325.981	2.946	391.561	-4.823	466.955	-15.542	

- Notes:
- See Sheet S-68 for cross frame & header girder locations.
 - See Sheets S-72 thru S-74 for girder elevations.
 - See Sheets S-76 thru S-77 for camber & top of web elevations.
 - See Sheet S-79 for moment tables & Sheet S-80 for reaction tables.
 - See Sheet S-81 for girder bolted field splice details.
 - See Sheet S-82 for girder cross frame details and erection notes.
 - Girder spacings and cross frame orientations are radial to the ℄ 55S70W, except at ℄ Brg. for Pier 7-W & W. Abut. supports where these are parallel to the respective centerline of supports.



USER NAME = bhatta	DESIGNED - CLS	REVISED -
PLOT SCALE = @2 1/4" / in.	DRAWN - DD	REVISED -
PLOT DATE = @DATE	CHECKED - CHY	REVISED -
	DATE - 03/18/2011	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GIRDER FRAMING PLAN I - S.N. 082-0325 - UNIT 3
I-70W OVER I-55, CSX & KCS RAILROADS

F.A.I. RTE. 70	SECTION 82-1-B-1	COUNTY ST. CLAIR	TOTAL SHEETS 319	SHEET NO. 182
S.N. 082-0323 & S.N. 082-0325		CONTRACT NO. 76C75		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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