

GIRDER ELEVATION - S.N. 082-0325 - UNIT 2

Connection & Splice #s not shown for clarity.

GIRDER DIMENSIONS - S.N. 082-0325 - UNIT 2

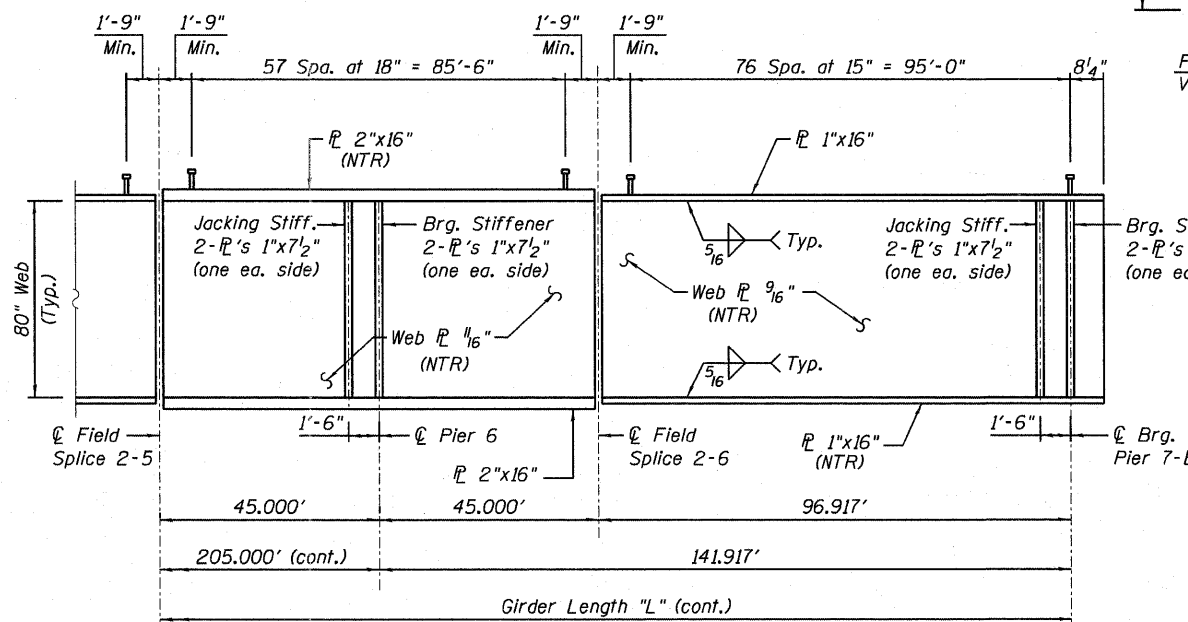
All dimensions in feet.

Girder	Radius	L*	S1	S2	F1	F2	F3
1A	1,312.417	722.699	153.089	222.693	97.819	55.270	56.526
2A	1,306.250	721.707	152.363	222.427	97.352	55.011	56.261
3A	1,300.083	720.715	151.636	222.162	96.886	54.751	55.995
4A	1,293.917	719.723	150.910	221.896	96.419	54.491	55.730
5A	1,287.750	718.731	150.184	221.631	95.952	54.231	55.464
6A	1,281.583	717.739	149.457	221.365	95.486	53.972	55.198

*Girder Length "L" excludes girder ends beyond first & last bearings.

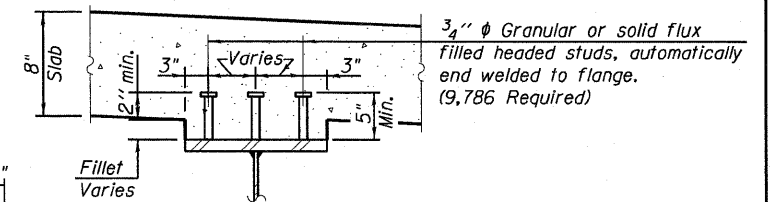
SHEAR CONNECTOR SCHEDULE - S.N. 082-0325 - UNIT 2

Girder	C1	C2
1A	96 Spa. at 12" = 96'-0"	72 Spa. at 18" = 108'-0"
2A	95 Spa. at 12" = 95'-0"	72 Spa. at 18" = 108'-0"
3A	95 Spa. at 12" = 95'-0"	71 Spa. at 18" = 106'-6"
4A	94 Spa. at 12" = 94'-0"	71 Spa. at 18" = 106'-6"
5A	94 Spa. at 12" = 94'-0"	71 Spa. at 18" = 106'-6"
6A	93 Spa. at 12" = 93'-0"	70 Spa. at 18" = 105'-0"



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SECTION A-A

Do not place studs on splice plates.

Notes:

1. See Sheet S-66 for girder framing plan.
2. See Sheet S-76 for camber & top of web elevations.
3. See Sheet S-78 for moment tables & Sheet S-80 for reaction tables.
4. See Sheet S-81 for girder bolted field splice details.
5. See Sheet S-82 for girder cross frame details and erection notes.
6. AASHTO M270 Grade 50 steel shall be used for all flanges, webs, stiffeners, splice plates, and cross frames, unless otherwise noted.
7. Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness (Zone 2).



USER NAME = Bhatta	DESIGNED - CLS	REVISED -
PLOT SCALE = 8/2" = 1/4" = 1/8"	DRAWN - DD	REVISED -
PLOT DATE = #DATE#	CHECKED - CHY	REVISED -
	DATE - 03/18/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GIRDER ELEVATION - S.N. 082-0325 - UNIT 2
I-70W OVER I-55, CSX & KCS RAILROADS

SCALE: NONE SHEET NO. S-71 OF S-138 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-1	ST. CLAIR	319	186
S.N. 082-0323 & S.N. 082-0325		CONTRACT NO. 76C75		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		