

GIRDER ELEVATION - S.N. 082-0325 - UNIT 1

Connection & Splice R's not shown for clarity.

GIRDER DIMENSIONS - S.N. 082-0325 - UNIT 1

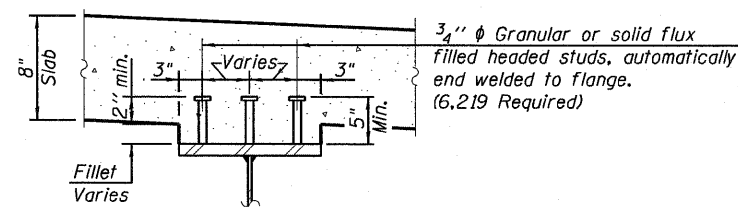
All dimensions in feet.

Girder	Radius	L*	S1	S2	S3	F1	F2	F3	F4	F5	F6
1A	1,312.417	457.556	110.352	177.870	169.335	20.782	35.172	87.427	55.270	45.221	124.114
2A	1,306.250	455.820	110.254	177.034	168.533	20.684	35.007	87.017	55.011	45.009	123.524
3A	1,300.083	454.084	110.156	176.198	167.730	20.586	34.841	86.606	54.751	44.796	122.934
4A	1,293.917	452.348	110.059	175.362	166.927	20.489	34.676	86.195	54.491	44.584	122.343
5A	1,287.750	450.612	109.961	174.527	166.124	20.391	34.511	85.784	54.231	44.371	121.753
6A	1,281.583	448.876	109.863	173.691	165.322	20.293	34.346	85.373	53.972	44.159	121.163

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

SHEAR CONNECTOR SCHEDULE - S.N. 082-0325 - UNIT 1

Girder	C0	C1	C2	C3	C4
1A	68 Spa. at 12" = 68'-0"	48 Spa. at 18" = 72'-0"	67 Spa. at 15" = 83'-9"	64 Spa. at 18" = 96'-0"	97 Spa. at 15" = 121'-3"
2A	68 Spa. at 12" = 68'-0"	47 Spa. at 18" = 70'-6"	67 Spa. at 15" = 83'-9"	64 Spa. at 18" = 96'-0"	97 Spa. at 15" = 121'-3"
3A	68 Spa. at 12" = 68'-0"	47 Spa. at 18" = 70'-6"	66 Spa. at 15" = 82'-6"	63 Spa. at 18" = 94'-6"	96 Spa. at 15" = 120'-0"
4A	68 Spa. at 12" = 68'-0"	47 Spa. at 18" = 70'-6"	66 Spa. at 15" = 82'-6"	63 Spa. at 18" = 94'-6"	96 Spa. at 15" = 120'-0"
5A	68 Spa. at 12" = 68'-0"	47 Spa. at 18" = 70'-6"	66 Spa. at 15" = 82'-6"	63 Spa. at 18" = 94'-6"	95 Spa. at 15" = 118'-9"
6A	68 Spa. at 12" = 68'-0"	47 Spa. at 18" = 70'-6"	65 Spa. at 15" = 81'-3"	62 Spa. at 18" = 93'-0"	95 Spa. at 15" = 118'-9"



SECTION A-A
Do not place studs on splice plates.

- Notes:
- See Sheet S-65 for girder framing plan.
 - See Sheet S-75 for camber & top of web elevations.
 - See Sheet S-78 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.
 - AASHTO M270 Grade 50 steel shall be used for all flanges, webs, stiffeners, splice plates, and cross frames, unless otherwise noted.
 - Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness (Zone 2).

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USER NAME = BhattA	DESIGNED - CLS	REVISED -
PLOT SCALE = 0.2' / 1"	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 1
I-70W OVER I-55, CSX & KCS RAILROADS

SCALE: NONE SHEET NO. S-70 OF S-138 SHEETS STA. TO STA.

F.A.I. RTE. 70	SECTION 82-1-B-1	COUNTY ST. CLAIR	TOTAL SHEETS 319	SHEET NO. 185
S.N. 082-0323 & S.N. 082-0325		CONTRACT NO. 76C75		
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				