

GIRDER ELEVATION - S.N. 082-0323

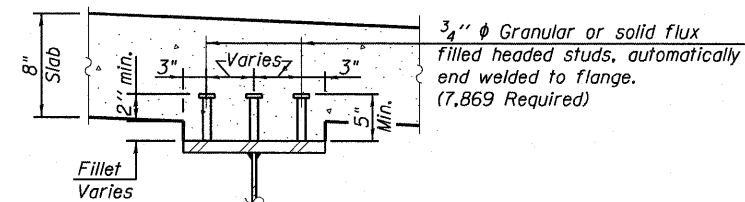
Connection & Splice R's not shown for clarity.

GIRDER DIMENSIONS - S.N. 082-0323

All dimensions in feet.

Girder	Radius	L*	S1	S2	S3	F1	F2	F3	F4	F5	F6	F7
1	2,843.667	481.213	129.747	199.416	152.050	38.836	47.361	42.376	107.186	49.854	49.854	102.196
2	2,851.000	482.346	129.970	199.930	152.446	38.936	47.483	42.485	107.462	49.982	49.982	102.464
3	2,858.333	483.478	130.192	200.444	152.842	39.036	47.605	42.594	107.739	50.111	50.111	102.731
4	2,865.667	484.611	130.414	200.958	153.238	39.137	47.728	42.704	108.015	50.240	50.240	102.998
5	2,873.000	485.743	130.637	201.473	153.634	39.237	47.850	42.813	108.292	50.368	50.368	103.266
6	2,880.333	486.876	130.859	201.987	154.030	39.337	47.972	42.922	108.568	50.497	50.497	103.533

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



SECTION A-A

Do not place studs on splice plates.

SHEAR CONNECTOR SCHEDULE - S.N. 082-0323

Girder	C1	C2	C3	C4	C5
1	80 Spa. at 12" = 80'-0"	69 Spa. at 15" = 86'-3"	104 Spa. at 12" = 104'-0"	77 Spa. at 15" = 96'-3"	100 Spa. at 12" = 100'-0"
2	80 Spa. at 12" = 80'-0"	69 Spa. at 15" = 86'-3"	104 Spa. at 12" = 104'-0"	77 Spa. at 15" = 96'-3"	100 Spa. at 12" = 100'-0"
3	81 Spa. at 12" = 81'-0"	69 Spa. at 15" = 86'-3"	104 Spa. at 12" = 104'-0"	77 Spa. at 15" = 96'-3"	101 Spa. at 12" = 101'-0"
4	81 Spa. at 12" = 81'-0"	69 Spa. at 15" = 86'-3"	104 Spa. at 12" = 104'-0"	77 Spa. at 15" = 96'-3"	101 Spa. at 12" = 101'-0"
5	81 Spa. at 12" = 81'-0"	69 Spa. at 15" = 86'-3"	105 Spa. at 12" = 105'-0"	78 Spa. at 15" = 97'-6"	101 Spa. at 12" = 101'-0"
6	81 Spa. at 12" = 81'-0"	70 Spa. at 15" = 87'-6"	105 Spa. at 12" = 105'-0"	78 Spa. at 15" = 97'-6"	101 Spa. at 12" = 101'-0"

Notes:

- See Sheet S-64 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' / in.	DRAWN - DD	REVISED -
PLOT DATE = \$DATE*	CHECKED - CHY	REVISED -
	DATE - 03/18/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GIRDER ELEVATION - S.N. 082-0323	
I-70W OVER I-55, CSX & KCS RAILROADS	
SCALE: NONE	SHEET NO. S-69 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	184
S.N. 082-0323 & S.N. 082-0325		CONTRACT NO. 76C75		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		