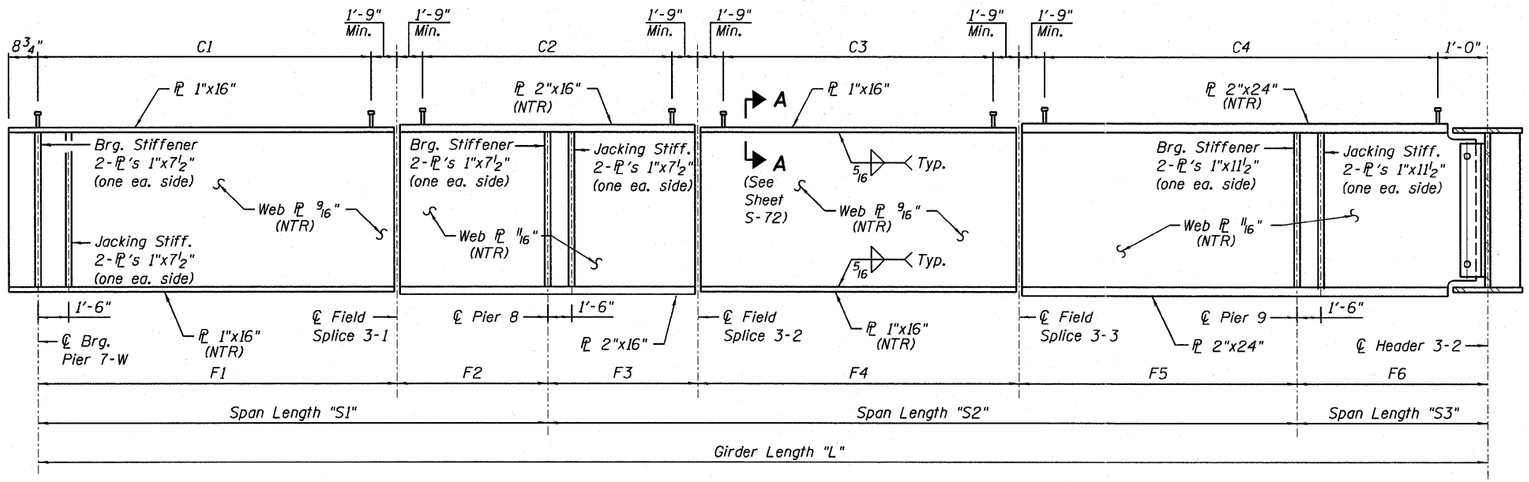
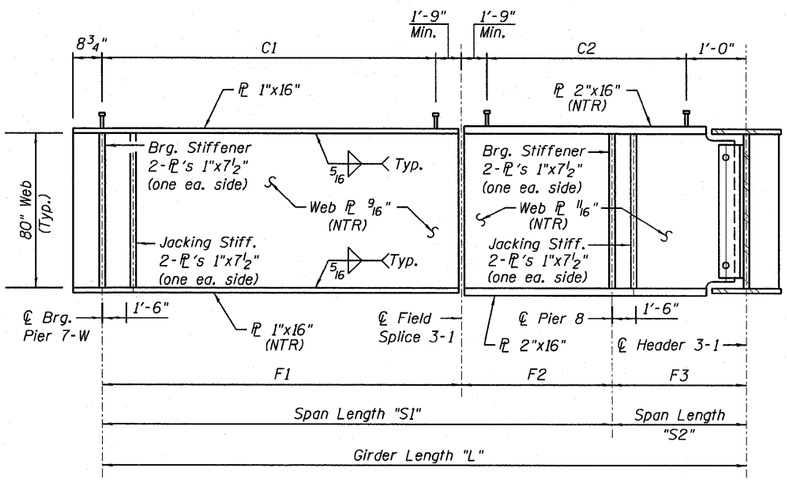


GIRDER ELEVATION III - S.N. 082-0325 - UNIT 3 (GIRDER 9B)

Connection & Splice PL's not shown for clarity.



GIRDER ELEVATION III - S.N. 082-0325 - UNIT 3 (GIRDER 10B)

Connection & Splice PL's not shown for clarity.

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

All dimensions in feet.

Girder	Radius	L*	S1	S2	S3	S4	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
1B	2,843.583	667.274	120.241	174.484	232.975	139.575	85.344	34.897	34.897	74.779	64.808	49.852	133.270	49.852	64.808	74.767
2B	2,851.333	669.097	120.572	174.959	233.610	139.955	85.581	34.992	34.992	74.982	64.985	49.988	133.633	49.988	64.985	74.971
3B	2,859.083	670.920	120.904	175.435	234.245	140.336	85.817	35.087	35.087	75.186	65.161	50.124	133.997	50.124	65.161	75.174
4B	2,866.833	672.742	121.236	175.910	234.880	140.716	86.054	35.182	35.182	75.390	65.338	50.260	134.360	50.260	65.338	75.378
5B	2,874.583	674.565	121.568	176.386	235.515	141.097	86.291	35.277	35.277	75.594	65.515	50.396	134.723	50.396	65.515	75.582
6B	2,882.333	676.388	121.900	176.861	236.150	141.477	86.527	35.372	35.372	75.798	65.691	50.532	135.086	50.532	65.691	75.786
7B	2,890.083	678.706	122.727	177.337	236.785	141.857	87.259	35.467	35.467	76.001	65.868	50.668	135.449	50.668	65.868	75.990
8B	2,897.833	598.053	122.287	177.721	237.172	60.873	86.733	35.554	35.551	76.169	66.001	50.763	135.671	50.739	60.873	---
9B	2,905.583	359.300	121.853	178.059	59.388	---	86.215	35.639	35.630	76.319	66.110	59.388	---	---	---	---
10B	2,913.333	161.174	121.496	39.677	---	---	85.762	35.734	39.677	---	---	---	---	---	---	---
11B	3,049.8622**	679.611	121.315	178.447	237.654	142.195	85.475	35.840	35.775	76.485	66.187	50.889	135.945	50.820	66.040	76.155

*Girder Length "L" excludes girder ends beyond first & last bearings.
**Girder 11B is straight from Pier 7 to P.C. of Curve 64W70W-3 (see Sheet S-67).

SHEAR CONNECTOR SCHEDULE - S.N. 082-0325 - UNIT 3

Girder	C1	C2	C3	C4	C5	C6	C7
1B	167 Spa. at 6" = 83'-6"	88 Spa. at 9" = 66'-0"	143 Spa. at 6" = 71'-6"	147 Spa. at 9" = 110'-3"	258 Spa. at 6" = 129'-0"	147 Spa. at 9" = 110'-3"	146 Spa. at 6" = 73'-0"
2B	167 Spa. at 6" = 83'-6"	89 Spa. at 9" = 66'-9"	143 Spa. at 6" = 71'-6"	148 Spa. at 9" = 111'-0"	258 Spa. at 6" = 129'-0"	148 Spa. at 9" = 111'-0"	146 Spa. at 6" = 73'-0"
3B	168 Spa. at 6" = 84'-0"	89 Spa. at 9" = 66'-9"	144 Spa. at 6" = 72'-0"	148 Spa. at 9" = 111'-0"	259 Spa. at 6" = 129'-6"	148 Spa. at 9" = 111'-0"	147 Spa. at 6" = 73'-6"
4B	168 Spa. at 6" = 84'-0"	89 Spa. at 9" = 66'-9"	144 Spa. at 6" = 72'-0"	149 Spa. at 9" = 111'-9"	260 Spa. at 6" = 130'-0"	149 Spa. at 9" = 111'-9"	147 Spa. at 6" = 73'-6"
5B	169 Spa. at 6" = 84'-6"	89 Spa. at 9" = 66'-9"	144 Spa. at 6" = 72'-0"	149 Spa. at 9" = 111'-9"	261 Spa. at 6" = 130'-6"	149 Spa. at 9" = 111'-9"	147 Spa. at 6" = 73'-6"
6B	169 Spa. at 6" = 84'-6"	90 Spa. at 9" = 67'-6"	145 Spa. at 6" = 72'-6"	150 Spa. at 9" = 112'-6"	261 Spa. at 6" = 130'-6"	150 Spa. at 9" = 112'-6"	148 Spa. at 6" = 74'-0"
7B	171 Spa. at 6" = 85'-6"	90 Spa. at 9" = 67'-6"	145 Spa. at 6" = 72'-6"	150 Spa. at 9" = 112'-6"	262 Spa. at 6" = 131'-0"	150 Spa. at 9" = 112'-6"	148 Spa. at 6" = 74'-0"
8B	170 Spa. at 6" = 85'-0"	90 Spa. at 9" = 67'-6"	146 Spa. at 6" = 73'-0"	150 Spa. at 9" = 112'-6"	263 Spa. at 6" = 131'-6"	144 Spa. at 9" = 108'-0"	---
9B	169 Spa. at 6" = 84'-6"	90 Spa. at 9" = 67'-6"	146 Spa. at 6" = 73'-0"	163 Spa. at 9" = 122'-3"	---	---	---
10B	168 Spa. at 6" = 84'-0"	97 Spa. at 9" = 72'-9"	---	---	---	---	---
11B	167 Spa. at 6" = 83'-6"	91 Spa. at 9" = 68'-3"	146 Spa. at 6" = 73'-0"	151 Spa. at 9" = 113'-3"	263 Spa. at 6" = 131'-6"	150 Spa. at 9" = 112'-6"	149 Spa. at 6" = 74'-6"

Notes:
1. See Sheets S-67 thru S-68 for girder framing plans.
2. See Sheet S-73 for other girder elevations & header girder details.
3. See Sheets S-76 thru S-77 for camber & top of web elevations.
4. See Sheet S-79 for moment tables & Sheet S-80 for reaction tables.
5. See Sheet S-81 for girder bolted field splice details.
6. See Sheet S-82 for girder cross frame details and erection notes.
7. AASHTO M270 Grade 50 steel shall be used for all flanges, webs, stiffeners, splice plates, and cross frames, unless otherwise noted.
8. Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness (Zone 2).

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AECOM

USER NAME = BhattA | DESIGNED - CLS | REVISED -
PLOT SCALE = 0.2 '/ in. | DRAWN - DD | REVISED -
PLOT DATE = $DATE$ | CHECKED - CHY | REVISED -
DATE - 03/18/2011 | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GIRDER ELEVATION III – S.N. 082–0325 – UNIT 3
I–70W OVER I–55, CSX & KCS RAILROADS
SCALE: NONE | SHEET NO. S-74 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	189
S.N. 082-0323 & S.N. 082-0325		CONTRACT NO. 76C75		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		