



FLANGE SPLICE
(Top and Bottom Flanges)

SPLICE TABLE

Splice Location	Top Flange						Bottom Flange					
	Outer Flange PL	Inner Flange PL	Fill PL	A	B	No. Bolts	Outer Flange PL	Inner Flange PL	Fill PL	A	B	No. Bolts
Field Splice 1	1/2"x14"x3'-1 1/2"	2-5/8"x6 1/4"x3'-1 1/2"	7/8"x14"x1'-6 5/8"	10	1'-3"	44	3/4"x14"x3'-7 1/2"	2-7/8"x6 1/4"x3'-7 1/2"	3/8"x14"x1'-9 5/8"	12	1'-6"	52
Field Splice 2	1/2"x14"x3'-1 1/2"	2-5/8"x6 1/4"x3'-1 1/2"	7/8"x14"x1'-6 5/8"	10	1'-3"	44	3/4"x14"x3'-7 1/2"	2-7/8"x6 1/4"x3'-7 1/2"	3/8"x14"x1'-9 5/8"	12	1'-6"	52
Field Splice 3	1/2"x14"x3'-1 1/2"	2-5/8"x6 1/4"x3'-1 1/2"	5/8"x14"x1'-6 5/8"	10	1'-3"	44	3/4"x14"x3'-7 1/2"	2-7/8"x6 1/4"x3'-7 1/2"	1/8"x14"x1'-9 5/8"	12	1'-6"	52
Field Splice 4	1/2"x14"x2'-7 1/2"	2-1/2"x6 1/4"x2'-7 1/2"	3/4"x14"x1'-3 5/8"	8	1'-0"	36	1/2"x14"x2'-7 1/2"	2-5/8"x6 1/4"x2'-7 1/2"	5/8"x14"x1'-3 5/8"	8	1'-0"	36
Field Splice 5-13	1/2"x14"x2'-7 1/2"	2-1/2"x6 1/4"x2'-7 1/2"	1/2"x14"x1'-3 5/8"	8	1'-0"	36	1/2"x14"x2'-7 1/2"	2-5/8"x6 1/4"x2'-7 1/2"	3/8"x14"x1'-3 5/8"	8	1'-0"	36
Field Splice 14	1/2"x14"x2'-7 1/2"	2-1/2"x6 1/4"x2'-7 1/2"	1/2"x14"x1'-3 5/8"	8	1'-0"	36	5/8"x14"x2'-7 1/2"	2-3/4"x6 1/4"x2'-7 1/2"	1/8"x14"x1'-3 5/8"	8	1'-0"	36

- NOTES:**
- All Splice Plates shall be AASHTO M270 Grade 50 steel.
 - All Splice Bolts shall be 7/8" φ ASTM A325 High Strength with 15/16" φ holes.
 - Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
 - Work this sheet with Sheets S24 thru S28.

benesch
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FILE NAME =	USER NAME = akeeschall	DESIGNED - MFH	REVISED -
0456024_031.Steel01.s2.dgn		CHECKED - AJK	REVISED -
	PLOT SCALE =	DRAWN - RMG	REVISED -
	PLOT DATE = 11/9/2011	CHECKED - AJK	REVISED -

CITY OF ST. CHARLES

STEEL PLATE GIRDER SPLICE DETAILS
STRUCTURE NO. 045-6024 RED GATE ROAD OVER THE FOX RIVER
SHEET NO. S31 OF S56 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	253
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

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