



**ELEVATION - GIRDER F1-F5 & H1-H5**  
 (Looking North for Girders F1-F5,  
 Looking South for Girders H1-H5)

**GIRDER DIMENSIONS**

Girder	A	B	C	D	E	F	G	H
F1	21'-8 $\frac{1}{4}$ "	21'-8 $\frac{1}{4}$ "	21'-8 $\frac{1}{4}$ "	17'-9 $\frac{1}{2}$ "	82'-10 $\frac{1}{4}$ "	2'-4 $\frac{1}{4}$ "	69	80'-6"
F2	21'-11 $\frac{5}{8}$ "	21'-11 $\frac{5}{8}$ "	21'-11 $\frac{5}{8}$ "	18'-0 $\frac{1}{4}$ "	83'-11 $\frac{5}{8}$ "	2'-3 $\frac{3}{8}$ "	70	81'-8"
F3	22'-3"	22'-3"	22'-3"	18'-3"	85'-0"	2'-2"	71	82'-10"
F4	22'-6 $\frac{3}{8}$ "	22'-6 $\frac{3}{8}$ "	22'-6 $\frac{3}{8}$ "	18'-5 $\frac{3}{4}$ "	86'-0 $\frac{7}{8}$ "	2'-0 $\frac{7}{8}$ "	72	84'-0"
F5	22'-9 $\frac{3}{4}$ "	22'-9 $\frac{3}{4}$ "	22'-9 $\frac{3}{4}$ "	18'-8 $\frac{1}{2}$ "	87'-1 $\frac{3}{4}$ "	1'-11 $\frac{3}{4}$ "	73	85'-2"
H1	22'-2 $\frac{3}{4}$ "	22'-2 $\frac{7}{8}$ "	22'-2 $\frac{7}{8}$ "	18'-2 $\frac{7}{8}$ "	84'-11 $\frac{3}{8}$ "	2'-1 $\frac{3}{8}$ "	71	82'-10"
H2	22'-2 $\frac{7}{8}$ "	22'-2 $\frac{7}{8}$ "	22'-2 $\frac{7}{8}$ "	18'-3"	84'-11 $\frac{3}{4}$ "	2'-1 $\frac{3}{4}$ "	71	82'-10"
H3	22'-3"	22'-3"	22'-3"	18'-3"	85'-0"	2'-2"	71	82'-10"
H4	22'-3 $\frac{1}{8}$ "	22'-3 $\frac{1}{8}$ "	22'-3 $\frac{1}{8}$ "	18'-3"	85'-0 $\frac{1}{4}$ "	2'-2 $\frac{1}{4}$ "	71	82'-10"
H5	22'-3 $\frac{1}{4}$ "	22'-3 $\frac{1}{8}$ "	22'-3 $\frac{1}{8}$ "	18'-3 $\frac{1}{8}$ "	85'-0 $\frac{5}{8}$ "	2'-2 $\frac{5}{8}$ "	71	82'-10"

**NOTES:**

- All flange plates, web plates, bearing stiffeners, and cross frame connection plates shall be AASHTO M270 Grade 50 steel.
- Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
- Work this sheet with Sheets S22 thru S25 and S27.
- See Sheet S30 for Section A-A.

**benesch**  
 engineers · scientists · planners  
 Alfred Benesch & Company  
 205 North Michigan Avenue, Suite 2400  
 Chicago, Illinois 60601  
 312-565-0450 Job No. 10092

FILE NAME =	USER NAME = akeeschell	DESIGNED - MFH	REVISED -
0456024_026_PlateGirder3.dgn		CHECKED - AJK	REVISED -
	PLOT SCALE =	DRAWN - RMG	REVISED -
	PLOT DATE = 11/9/2011	CHECKED - AJK	REVISED -



**CITY OF ST. CHARLES**

**STEEL PLATE GIRDER ELEVATION (3 OF 4)**  
**STRUCTURE NO. 045-6024 RED GATE ROAD OVER THE FOX RIVER**  
 SHEET NO. S26 OF S56 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	248
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

x:\10000s\10092\engineering\documents\redgatephase1\gr-over-foxriver\final\plans\0456024\_026\_PlateGirder3.dgn  
 5:03:23 PM  
 11/9/2011