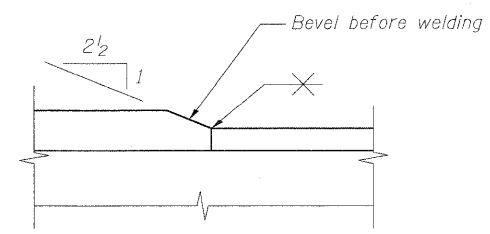


ELEVATION - GIRDER C1-C5, D1-D5 & E1-E5
(Looking North)

GIRDER DIMENSIONS

Girder	A	B	C	D	E	F	G	H	J	K	L	M	N	P
C1	3'-10 ³ / ₄ "	18'-6 ¹ / ₄ "	11'-8 ³ / ₈ "	11'-8 ³ / ₈ "	18'-6 ¹ / ₄ "	3'-10 ³ / ₄ "	68'-2 ⁷ / ₈ "	19'-6"	14'-7 ¹ / ₂ "	14'-7 ¹ / ₂ "	19'-6"	1'-5 ³ / ₈ "	56	65'-4"
C2	3'-11 ³ / ₈ "	18'-9 ¹ / ₈ "	11'-10 ¹ / ₈ "	11'-10 ¹ / ₈ "	18'-9 ¹ / ₈ "	3'-11 ³ / ₈ "	69'-1 ³ / ₈ "	19'-9"	14'-9 ³ / ₄ "	14'-9 ³ / ₄ "	19'-9"	1'-10 ³ / ₄ "	56	65'-4"
C3	4'-0"	19'-0"	12'-0"	12'-0"	19'-0"	4'-0"	70'-0"	20'-0"	15'-0"	15'-0"	20'-0"	1'-9"	57	66'-6"
C4	4'-0 ⁵ / ₈ "	19'-2 ⁷ / ₈ "	12'-1 ⁷ / ₈ "	12'-1 ⁷ / ₈ "	19'-2 ⁷ / ₈ "	4'-0 ⁵ / ₈ "	70'-10 ⁵ / ₈ "	20'-3"	15'-2 ¹ / ₄ "	15'-2 ¹ / ₄ "	20'-3"	1'-7 ¹ / ₄ "	58	67'-8"
C5	4'-1 ¹ / ₄ "	19'-5 ³ / ₄ "	12'-3 ⁵ / ₈ "	12'-3 ⁵ / ₈ "	19'-5 ³ / ₄ "	4'-1 ¹ / ₄ "	71'-9 ¹ / ₈ "	20'-6"	15'-4 ¹ / ₂ "	15'-4 ¹ / ₂ "	20'-6"	1'-5 ⁵ / ₈ "	59	68'-10"
D1	3'-10 ³ / ₄ "	18'-6 ¹ / ₄ "	9'-11 ¹ / ₂ "	12'-0"	19'-0"	4'-0"	67'-4 ¹ / ₂ "	19'-6"	12'-10 ⁵ / ₈ "	15'-0"	20'-0"	1'-7 ¹ / ₄ "	55	64'-2"
D2	3'-11 ³ / ₈ "	18'-9 ¹ / ₈ "	10'-11 ³ / ₄ "	12'-0"	19'-0"	4'-0"	68'-8 ¹ / ₄ "	19'-9"	13'-11 ¹ / ₄ "	15'-0"	20'-0"	1'-8 ¹ / ₈ "	56	65'-4"
D3	4'-0"	19'-0"	12'-0"	12'-0"	19'-0"	4'-0"	70'-0"	20'-0"	15'-0"	15'-0"	20'-0"	1'-9"	57	66'-6"
D4	4'-0 ⁵ / ₈ "	19'-2 ⁷ / ₈ "	13'-0 ¹ / ₄ "	12'-0"	19'-0"	4'-0"	71'-3 ³ / ₄ "	20'-3"	16'-0 ³ / ₄ "	15'-0"	20'-0"	1'-9 ⁷ / ₈ "	58	67'-8"
D5	4'-1 ¹ / ₄ "	19'-5 ³ / ₄ "	14'-0 ¹ / ₂ "	12'-0"	19'-0"	4'-0"	72'-7 ¹ / ₂ "	20'-6"	17'-1 ³ / ₈ "	15'-0"	20'-0"	1'-10 ³ / ₄ "	59	68'-10"
E1	4'-0"	19'-0"	12'-0"	12'-0"	18'-11 ⁷ / ₈ "	4'-0"	69'-11 ⁷ / ₈ "	20'-0"	15'-0"	15'-0"	19'-11 ⁷ / ₈ "	1'-8 ⁷ / ₈ "	57	66'-6"
E2	4'-0"	19'-0"	12'-0"	12'-0"	19'-0"	4'-0"	69'-11 ⁷ / ₈ "	20'-0"	15'-0"	15'-0"	20'-0"	1'-9"	57	66'-6"
E3	4'-0"	19'-0"	12'-0"	12'-0"	19'-0"	4'-0"	70'-0"	20'-0"	15'-0"	15'-0"	20'-0"	1'-9"	57	66'-6"
E4	4'-0"	19'-0"	12'-0"	12'-0"	19'-0"	4'-0"	70'-0 ¹ / ₈ "	20'-0"	15'-0"	15'-0"	20'-0"	1'-9"	57	66'-6"
E5	4'-0"	19'-0"	12'-0"	12'-0"	19'-0 ¹ / ₈ "	4'-0"	70'-0 ¹ / ₈ "	20'-0"	15'-0"	15'-0"	20'-0 ¹ / ₈ "	1'-9 ¹ / ₈ "	57	66'-6"



DETAIL 1
(Typ.)

- 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 S24 and S26 thru S27.
 - See Sheet S30 for Section A-A.

benesch
engineers - scientists - planners
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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-585-0450 Job No. 10092

FILE NAME =	USER NAME = akeaschal	DESIGNED - MFH	REVISED -
0456024_025_PlateGirder2.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 (2 OF 4)
STRUCTURE NO. 045-6024 RED GATE ROAD OVER THE FOX RIVER
SHEET NO. S25 OF S56 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	247
CONTRACT NO. 63650			ILLINOIS FED. AID PROJECT	

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