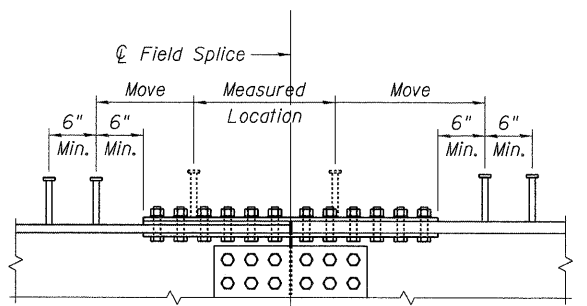


GIRDERS 1E-5E ELEVATION

GIRDERS 1E-5E DIMENSIONS

Girder	Radius	TL	S1	S2	L1	L2	L3	L4	L5	P1	P2	A1	A2	C1	C2	C3
1E	1948'-8"	1280'-4 13/16"	219'-5 13/16"	277'-5 7/16"	113'-0 3/4"	48'-9 1/16"	117'-6 1/2"	108'-6 7/8"	48'-9 1/16"	59'-1 5/16"	58'-5 3/16"	36'-1 5/16"	35'-5 3/16"	148	60	141
2E	1939'-10"	1274'-7 1/4"	218'-5 13/16"	276'-2 3/8"	112'-6 5/8"	48'-7 1/16"	117'-0 1/16"	108'-1"	48'-7 1/16"	58'-10 1/8"	58'-2"	35'-10 1/8"	35'-2"	147	60	140
3E	1931'-0"	1268'-9 1/16"	217'-5 3/4"	274'-11 1/4"	112'-0 1/2"	48'-4 3/8"	116'-5 1/16"	107'-7 1/16"	48'-4 3/8"	58'-6 7/8"	57'-10 13/16"	35'-6 7/8"	34'-10 13/16"	146	60	139
4E	1922'-2"	1263'-0 3/16"	216'-5 3/4"	273'-8 3/16"	111'-6 3/8"	48'-1 3/4"	115'-11 5/16"	107'-1 3/16"	48'-1 3/4"	58'-3 1/16"	57'-7 5/8"	35'-3 1/16"	34'-7 5/8"	145	60	138
5E	1913'-4"	1257'-2 5/8"	215'-5 3/4"	272'-5 1/16"	111'-0 1/4"	47'-11 1/16"	115'-4 7/8"	106'-7 1/4"	47'-11 1/16"	58'-0 7/16"	57'-4 7/16"	35'-0 7/16"	34'-4 7/16"	144	60	137



SHEAR CONNECTOR DETAIL AT SPLICES AND FLANGE TRANSITIONS

DO NOT place shear connectors on splice plates.
Move row of studs to 6" beyond nearest edge of splice plate from measured location.

NOTES:

- Work this sheet with Sheets S-56 and S-57.
- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts 7/8 in. dia., holes 15/16 in. dia. unless otherwise noted.
- All structural steel shall be AASHTO M 270 Grade 50W except expansion joints which shall be AASHTO M 270 Grade 50.
- Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
- Structural steel shall only be painted for a distance of 10 ft. each way from the deck joints and interior supports. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".
- Single-sided intermediate transverse stiffeners are to be placed on the south face of the web of Girders 1E through 4E and on the north face of the web of Girder 5E. See Framing Plan Sht. S-48.

FILE NAME = \\FS-004\AM\VAL\LD\TRANS\07_2282_20868-001\STRUCT\CAD\01 DESIGN\0820318\SHEET\0820318-CONN-05-004-SHT-GE.DGN
 #FILEL#
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

FILE NAME = \\FS-004\AM\VAL\LD\TRANS\07_2282_20868-001\STRUCT\CAD\01 DESIGN\0820318\SHEET\0820318-CONN-05-004-SHT-GE.DGN	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION I-70 CONNECTION OVER NS, TRRA, MCT AND INDUSTRIAL DR.	GIRDER ELEVATIONS EB I-70 1 OF 3			F.A.P. RTE. 998	SECTION 82-2-IHVB	COUNTY ST. CLAIR	TOTAL SHEETS 285	SHEET NO. 165
#FILEL#	PLOT SCALE = #SCALE#	DRAWN - CCE	REVISED -		SCALE:	SHEET NO. S-55 OF S-111	STA. 134+22.00 TO STA.	SN 082-0318 (EB) & 0319 (WB)	CONTRACT NO. 76C44			
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT DATE = #DATE#	CHECKED - TCU	REVISED -		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT						
		DATE - 06/04/10	REVISED -									