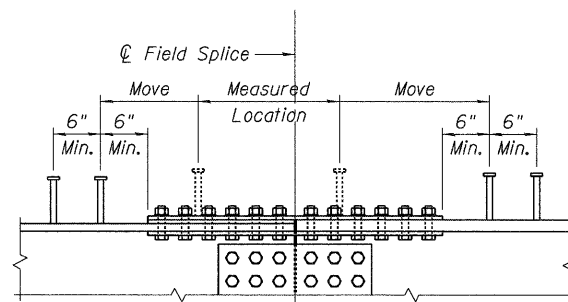


GIRDERS 1W-6W ELEVATION

GIRDERS 1W-6W DIMENSIONS

Girder	Radius	TL	S1	S2	L1	L2	L3	L4	L5	P1	P2	A1	A2	C1	C2	C3
1W	(See Plan Sht. S-52)	1311'-10 ⁹ / ₁₆ "	224'-4 ⁵ / ₁₆ "	283'-7"	115'-6 ⁵ / ₈ "	49'-10 ⁵ / ₈ "	120'-1 ⁵ / ₈ "	110'-11 ¹¹ / ₁₆ "	49'-10 ⁵ / ₈ "	60'-5"	59'-8 ⁵ / ₈ "	37'-5"	36'-8 ⁵ / ₈ "	133	50	146
2W		1306'-7"	223'-6 ¹¹ / ₁₆ "	282'-6 ⁷ / ₈ "	115'-1 ³ / ₄ "	49'-8 ² / ₂ "	119'-8 ¹ / ₂ "	110'-6 ¹⁵ / ₁₆ "	49'-8 ² / ₂ "	60'-2 ⁷ / ₁₆ "	59'-6 ¹ / ₈ "	37'-2 ⁷ / ₁₆ "	36'-6 ¹ / ₈ "	132	50	145
3W		1301'-3 ⁷ / ₁₆ "	222'-9 ¹ / ₁₆ "	281'-6 ¹³ / ₁₆ "	114'-8 ¹³ / ₁₆ "	49'-6 ³ / ₈ "	119'-3 ³ / ₈ "	110'-2 ³ / ₁₆ "	49'-6 ³ / ₈ "	59'-11 ¹³ / ₁₆ "	59'-3 ⁹ / ₁₆ "	36'-11 ¹³ / ₁₆ "	36'-3 ⁹ / ₁₆ "	132	50	144
4W		1295'-11 ¹⁵ / ₁₆ "	221'-11 ³ / ₈ "	280'-6 ¹ / ₁₆ "	114'-3 ⁷ / ₈ "	49'-4 ¹ / ₄ "	118'-10 ¹ / ₄ "	109'-9 ¹ / ₂ "	49'-4 ¹ / ₄ "	59'-9 ¹ / ₄ "	59'-1"	36'-9 ¹ / ₄ "	36'-1"	131	50	143
5W		1290'-8 ³ / ₈ "	221'-1 ³ / ₄ "	279'-6 ⁹ / ₁₆ "	113'-11"	49'-2 ¹ / ₈ "	118'-5 ¹ / ₈ "	109'-4 ³ / ₄ "	49'-2 ¹ / ₈ "	59'-6 ¹ / ₁₆ "	58'-10 ⁷ / ₁₆ "	36'-6 ¹ / ₁₆ "	35'-10 ⁷ / ₁₆ "	130	50	143
6W		1956'-3 ¹ / ₂ "	1285'-4 ⁷ / ₈ "	220'-4 ¹ / ₈ "	278'-6 ¹ / ₂ "	113'-6 ¹ / ₁₆ "	49'-0"	118'-0"	109'-0"	49'-0"	59'-4 ¹ / ₈ "	58'-7 ⁷ / ₈ "	36'-4 ¹ / ₈ "	35'-7 ⁷ / ₈ "	130	50



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:

1. Work this sheet with Sheets S-62 and S-63.
2. 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.
3. All structural steel shall be AASHTO M 270 Grade 50W except expansion joints which shall be AASHTO M 270 Grade 50.
4. Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.
5. 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".
6. Single-sided intermediate transverse stiffeners are to be placed on the south face of the web of Girders 1W through 5W and on the north face of the web of Girder 6W. See Framing Plan Sht. S-51.

FILE NAME = \PFS\0244\AMVAULT\0-TRANS.07\2222\228668-001\STRUCT\CAO\01.DESIGN\WB20318-SHEET-05-001-SHT-GE.DGN
 BONDHJLD
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION I-70 CONNECTION OVER NS, TRRA, MCT AND INDUSTRIAL DR.	GIRDER ELEVATIONS WB 1-70 1 OF 3			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - CCE	REVISED -		998	82-2-1HVB	ST. CLAIR	285	171			
PLOT SCALE = #SCALE#		CHECKED - TCU	REVISED -		SN 082-0318 (EB) & 0319 (WB)				CONTRACT NO. 76C44			
PLOT DATE = #DATE#		DATE - 06/04/10	REVISED -		SCALE:	SHEET NO. S-61	OF S-111	STA. 134+22.00	TO STA.	ILLINOIS FED. AID PROJECT		