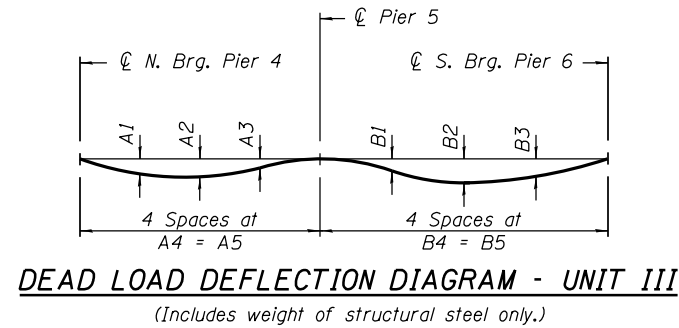
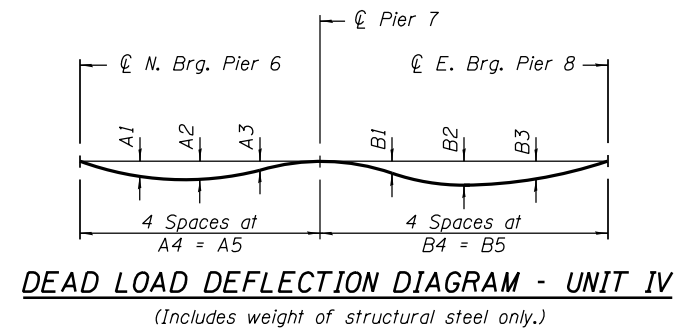


Notes:

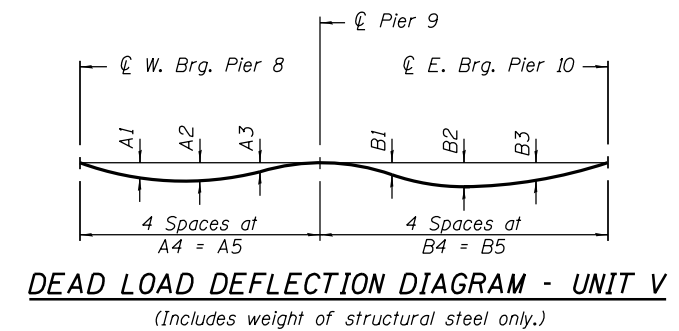
The calculated deflections of the primary girders under steel self-weight shall be used to detail the cross frame connections, and to erect the structural steel such that girders will be plumb within a tolerance of $\pm \frac{1}{8}$ in. per vertical foot throughout the length of their girder system when supporting their own weight.



Girder No.	DEAD LOAD DEFLECTIONS - STEEL SELF WEIGHT ONLY - UNIT III									
	Span 5					Span 6				
	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5
1	1 5/8"	2"	1"	41'-1 3/8"	164'-5 5/8"	-0 1/8"	0 1/8"	0 1/4"	33'-8 7/8"	134'-11 5/8"
2	1 1/2"	1 3/4"	0 7/8"	40'-6 7/8"	162'-3 3/8"	0"	0 1/4"	0 1/4"	33'-3"	132'-11 3/4"
3	1 3/8"	1 1/2"	0 3/4"	40'-0 1/4"	160'-1 1/8"	0"	0 1/4"	0 1/4"	32'-9"	130'-11 7/8"
4	1 1/8"	1 3/8"	0 5/8"	39'-5 3/4"	157'-10 7/8"	0"	0 1/4"	0 1/4"	32'-3"	129'-0 1/8"
5	1"	1 1/4"	0 1/2"	38'-11 1/8"	155'-8 5/8"	0"	0 1/4"	0 1/4"	31'-9"	127'-0 1/4"
6	0 7/8"	1"	0 1/2"	38'-4 5/8"	153'-6 3/8"	0 1/8"	0 1/4"	0 1/4"	31'-3 1/8"	125'-0 3/8"



Girder No.	DEAD LOAD DEFLECTIONS - STEEL SELF WEIGHT ONLY - UNIT IV									
	Span 7					Span 8				
	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5
1	1 5/8"	1 5/8"	0 5/8"	49'-0 5/8"	196'-2 3/8"	0 5/8"	1 5/8"	1 5/8"	49'-0 5/8"	196'-2 3/8"
2	1 1/2"	1 1/2"	0 5/8"	48'-4"	193'-3 7/8"	0 5/8"	1 1/2"	1 1/2"	48'-4"	193'-3 7/8"
3	1 3/8"	1 1/2"	0 5/8"	47'-7 3/8"	190'-5 1/4"	0 5/8"	1 1/2"	1 3/8"	47'-7 3/8"	190'-5 1/4"
4	1 1/4"	1 3/8"	0 1/2"	46'-10 5/8"	187'-6 3/4"	0 1/2"	1 1/4"	1 1/4"	46'-10 5/8"	187'-6 3/4"
5	1 1/8"	1 1/4"	0 1/2"	46'-2"	184'-8 1/8"	0 1/2"	1 1/4"	1 1/8"	46'-2"	184'-8 1/8"
6	1 1/8"	1 1/8"	0 1/2"	45'-5 3/8"	181'-9 5/8"	0 1/2"	1 1/4"	1 1/8"	45'-5 3/8"	181'-9 5/8"



Girder No.	DEAD LOAD DEFLECTIONS - STEEL SELF WEIGHT ONLY - UNIT V									
	Span 9					Span 10				
	A1	A2	A3	A4	A5	B1	B2	B3	B4	B5
1	0 3/8"	0 3/8"	0 1/8"	31'-4 7/8"	125'-7 5/8"	0 3/8"	1"	0 7/8"	34'-1 1/8"	136'-4 3/8"
2	0 3/8"	0 3/8"	0 1/8"	30'-11 3/8"	123'-9 3/8"	0 3/8"	0 7/8"	0 3/4"	33'-9"	135'-0 1/4"
3	0 3/8"	0 3/8"	0 1/8"	30'-5 3/4"	121'-11 1/8"	0 3/8"	0 3/4"	0 5/8"	33'-5"	133'-8 1/8"
4	0 1/4"	0 3/8"	0 1/8"	30'-0 1/4"	120'-0 1/8"	0 1/4"	0 3/4"	0 5/8"	33'-1"	132'-3 7/8"
5	0 1/4"	0 3/8"	0 1/8"	29'-6 5/8"	118'-2 5/8"	0 1/4"	0 5/8"	0 1/2"	32'-8 7/8"	130'-11 3/4"
6	0 1/4"	0 1/4"	0 1/8"	29'-1 1/8"	116'-4 3/8"	0 1/4"	0 1/2"	0 1/2"	32'-4 7/8"	129'-7 5/8"

0161705-60W28-5102-xFrameIII.dgn



USER NAME = floresg	DESIGNED - VP	REVISED
PLOT SCALE = N.T.S.	CHECKED - ATB	REVISED
PLOT DATE = 5/7/2014	DRAWN - VP	REVISED
	CHECKED - ATB	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS FRAME DETAILS III
STRUCTURE NO. 016-1705**

SHEET NO. S-102 OF S-165 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 418
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	