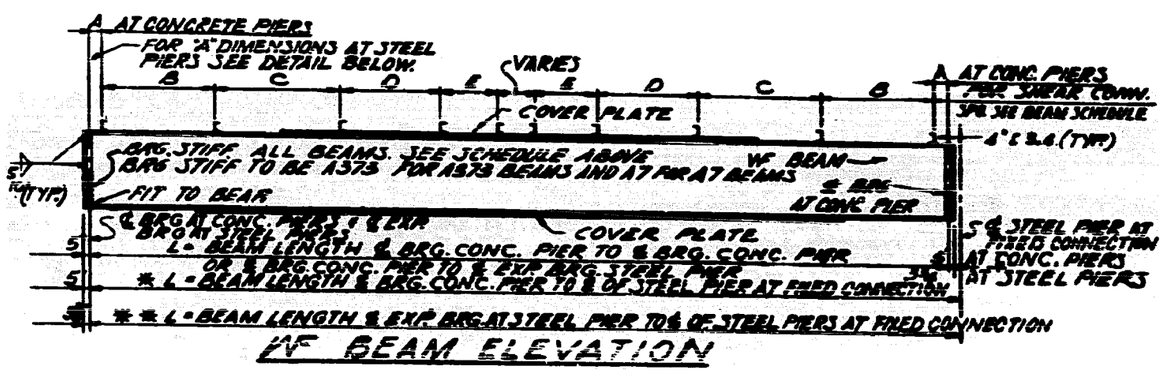
WF BEAM SCHEDULE

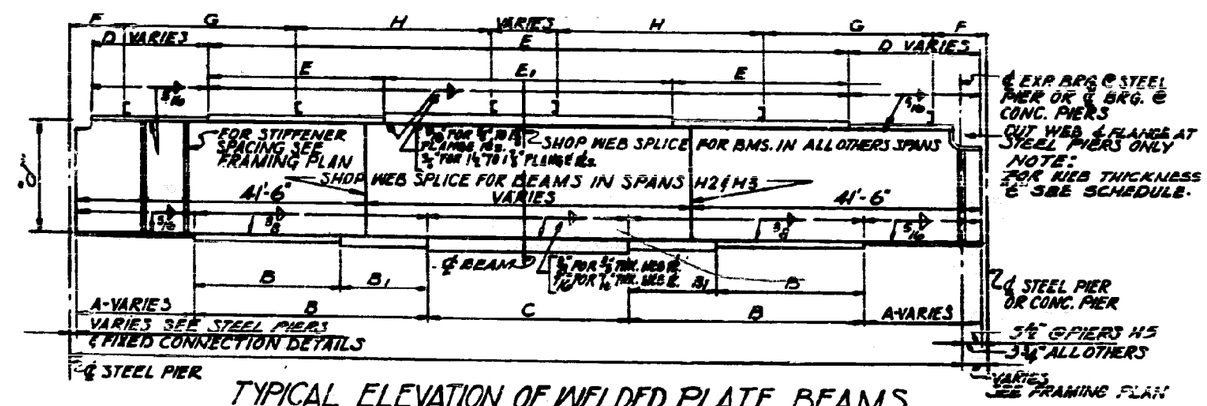
SPAN No.	BEAM No.	L	BEAM SIZE	BOTTOM COVER PLATE	TOP COVER PLATE	SHEAR CONN. SPACING A	B	C	D	E	X & Y DIMENSIONS X DL	Y DL	X V.C.	Y V.C.
H1	1	59'-4"	33WF152	10"×7/8"=37'-0"	—	1-6	6@9	12@12	4@18	2@24	1/16	1 1/2		
	2,3,4	59'-4"	33WF130	10"×3/8"=35'-0"	—	1-6	10@9	11@12	4@18	1@24	9/16	3/4		
	5 & 6	59'-4"	33WF130	10"×5/8"=35'-0"	—	1-6	10@9	11@12	4@18	1@24	7/16	5/8		
	7 & 8	59'-4"	33WF141	10"×1/2"=36'-3"	—	1-6	10@6	14@9	5@12	4@18	9/16	3/4		
	9	59'-5"	33WF152	10"×7/8"=37'-0"	—	1-6	6@9	12@12	4@18	2@24	1 1/16	1 3/8		
H6	1	17'-5 1/4"	36WF150	—	—	9"	3@12	—	—	2@24	1/16	1/8		
	2	28'-6 5/8"	24WF76	8"×3/8"=17'-3"	—	4"	14@4	13@6	—	2@12	3/16	1/4		
	3	40'-2"	30WF108	9"×1/2"=20'-0"	—	6"	10@6	7@9	—	5@12	1/4	5/16		
	4	51'-0 5/16"	33WF130	10"×5/8"=33'-0"	—	6"	16@6	9@9	5@12	4@15	7/16	9/16		
	5	63'-4 5/8"	36WF182	11"×1"=39'-9"	—	6"	13@6	10@9	9@12	5@18	1	1 3/16		
H7	1	77'-8 1/16"	36WF230	15"×1"=47'-0"	—	9"	12@12	5@18	—	9@24	1 13/16	1 13/16		
	2 TO 5	77'-8 1/16"	36WF194	11"×1 1/8"=47'-0"	—	9"	14@9	10@12	6@18	4@24	13/16	1 1/16		
	6	75'-11 1/2"	36WF230	15"×1"=47'-0"	—	9"	11@12	5@18	—	9@24	1 1/2	2		
H8	1	77'-4 5/8"	36WF230	15"×1"=47'-0"	—	9"	12@12	5@18	—	9@24	1 7/16	1 7/8		
	2 TO 5	77'-4 5/8"	36WF194	11"×1 1/8"=47'-0"	—	9"	14@9	10@12	6@18	4@24	13/16	1 1/8		
	6	76'-1 7/16"	36WF230	15"×1"=47'-0"	—	9"	11@12	5@18	—	9@24	1 1/2	2		
H9	1	77'-4 11/16"	36WF230	15"×1"=47'-0"	—	9"	12@12	5@18	—	9@24	1 7/16	1 7/8		
	2 TO 5	77'-4 11/16"	36WF194	11"×1 1/8"=47'-0"	—	9"	14@9	10@12	6@18	4@24	13/16	1 1/16		
	6	76'-3 1/8"	36WF230	15"×1"=47'-0"	—	9"	11@12	5@18	—	9@24	1 1/2	2		
H10	1	76'-8 1/2"	36WF230	15"×1"=47'-0"	—	9"	11@12	5@18	—	9@24	1 3/8	1 13/16	3/16	1/4
	2 TO 5	76'-8 1/2"	36WF194	11"×1 1/8"=47'-0"	—	9"	14@9	10@12	7@18	3@24	13/16	1 1/16		
	6	76'-4 1/2"	36WF230	15"×1"=47'-0"	—	9"	11@12	5@18	—	9@24	1 1/2	2	3/16	1/4
H11	1	77'-4 7/16"	36WF230	15"×1"=47'-0"	—	9"	12@12	5@18	—	9@24	1 3/8	1 13/16	3/16	1/4
	2 TO 5	77'-4 7/16"	36WF194	11"×1 1/8"=47'-0"	—	9"	14@9	10@12	6@18	4@24	13/16	1 1/16		
	6	76'-5 9/16"	36WF230	15"×1"=47'-0"	—	9"	11@12	5@18	—	9@24	1 1/2	2	3/16	1/4
H12	1	76'-9 1/16"	36WF230	15"×1"=47'-0"	—	9"	11@12	5@18	—	9@24	1 7/16	1 7/8	3/16	1/4
	2 TO 5	76'-9 1/16"	36WF194	11"×1 1/8"=47'-0"	—	9"	14@9	10@12	7@18	3@24	13/16	1 1/16		
H13	2 TO 5	65'-2 3/4"	36WF150	11"×5/8"=37'-0"	—	9"	14@9	9@12	5@18	2@24	5/8	13/16		
	6	64'-11 5/8"	36WF150	11"×7/8"=39'-6"	—	9"	7@9	12@12	5@18	3@24	13/16	1 3/8	3/16	1/4
H14	14	68'-1 3/16"	36WF150	11"×3/4"=38'-6"	—	9"	11@12	—	5@18	7@24	5/8	13/16		
	15 TO 18	66'-10 3/16"	36WF150	11"×3/4"=38'-6"	—	9"	14@9	6@12	—	8@18	11/16	7/8		
	19	66'-10 3/16"	36WF170	11"×1 1/8"=42'-0"	—	9"	6@9	12@12	5@18	4@24	11/16	1 7/16		
H15	14	68'-11 7/16"	36WF182	11"×1"=42'-6"	—	9"	14@9	—	11@12	5@18	7/16	9/16		
	15 TO 18	68'-11 7/16"	36WF150	11"×3/4"=41'-0"	—	9"	7@9	12@12	5@18	4@24	11/16	7/8		
	19	68'-5 13/16"	36WF170	11"×3/4"=37'-6"	—	9"	7@9	12@12	5@18	4@24	1	1 5/16		



WF BEAM ELEVATION

WELDED PLATE BEAM SCHEDULE

SPAN	BEAM	L	d"	t"	BOTTOM FLANGE PLATES A	B OR B1	C	TOP FLANGE PLATES D	E OR E1	SHEAR CONNECTOR SPACING F	G	H	STIFFENERS BRG.	INT.	X & Y DIMENSIONS XDL	YDL	XVC	YVC
H2	1	125'-0 1/16"	72	7/16	16"×1	16"×1 1/2"=8'-6" 16"×2 1/4"=12'-6"	16"×2 1/2"=41'-6"	16"×3/4	16"×1 1/2"=17'-0" 16"×1 3/4"=54'-0"	2'-0	9@18	23@24			2 1/4	3		
	2 TO 4	125'-0 1/16"	72	7/16	16"×1 1/8	—	16"×1 5/8"=60'-0"	16"×3/4	16"×1 7/8"=62'-0"	2'-0	9@18	23@24			1 1/2	1 15/16		
	5	125'-0 1/16"	72	7/16	16"×1 1/8	—	16"×1 5/8"=60'-0"	16"×3/4	16"×1 7/8"=62'-0"	2'-0	9@18	23@24			1 1/4	1 5/8		
	6	125'-0 1/16"	72	7/16	16"×1	16"×1 7/8"=28'-0"	16"×2 1/4"=47'-0"	16"×3/4	16"×1 7/8"=72'-0"	2'-0	9@18	23@24			1 3/16	1 3/4		
	7	125'-6 7/16"	72	7/16	16"×1	16"×1 1/2"=17'-0"	16"×1 7/8"=44'-0"	16"×3/4	16"×1 7/8"=54'-0"	2'-0	9@18	23@24			1 1/2	2		
	8	126'-1 1/4"	72	7/16	16"×1	16"×1 1/2"=8'-6" 16"×2 1/4"=12'-6"	16"×2 1/2"=41'-6"	16"×3/4	16"×1 1/2"=17'-0" 16"×1 3/4"=54'-0"	2'-0	9@18	23@24			2 7/16	3 5/16		
H3	7	125'-0 1/2"	72	7/16	16"×1	16"×1 1/2"=8'-6" 16"×2 1/4"=12'-6"	16"×2 1/2"=41'-6"	16"×3/4	16"×1 1/2"=17'-0" 16"×1 3/4"=54'-0"	2'-0	9@18	23@24			2 1/4	3		
	2 TO 4	124'-11 1/2"	72	7/16	16"×1 1/8	—	16"×1 5/8"=60'-0"	16"×3/4	16"×1 7/8"=62'-0"	2'-0	9@18	23@24			1 1/2	1 15/16		
	5	124'-11 1/2"	72	7/16	16"×1 1/8	—	16"×1 5/8"=60'-0"	16"×3/4	16"×1 7/8"=62'-0"	2'-0	8@18	24@24			1 1/4	1 5/8		
	6	124'-11 1/2"	72	7/16	16"×1	16"×1 1/8"=28'-0"	16"×2 1/4"=47'-0"	16"×3/4	16"×1 7/8"=72'-0"	2'-0	9@18	18@24			1 5/16	1 3/4		
H4	1	104'-0 9/16"	60	5/8	16"×1	16"×2"=16'-0"	16"×2 1/2"=41'-0"	16"×3/4	16"×1 5/8"=62'-0"	2'-0	9@18	18@24			1 13/16	2 7/16		
	2-4	103'-8 9/16"	60	5/8	16"×1	16"×1 3/4"=17'-0"	16"×2"=56'-0"	16"×3/4	16"×1 7/8"=62'-0"	2'-0	9@18	18@24			1 1/4	1 5/8		
H5	2-4	103'-8 9/16"	60	5/8	16"×1	16"×1 3/4"=17'-0"	16"×2"=56'-0"	16"×3/4	16"×1 7/8"=62'-0"	2'-0	9@18	18@24			1 1/4	1 5/8		



TYPICAL ELEVATION OF WELDED PLATE BEAMS

NO SCALE

FILE NAME =	USER NAME = aread	DESIGNED - AMR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GIRDER ELEVATIONS & SCHEDULE – LOCATION 3 STRUCTURE NO. 016-1118	F.A.I. RTE. 90/94	SECTION 2011-057-BP
		DRAWN - AMR	REVISED -			COUNTY COOK	TOTAL SHEETS 98 / SHEET NO. 74
	PLOT SCALE = 2.0000 ' / IN.	CHECKED - JMH	REVISED -			CONTRACT NO. 60P73	
	PLOT DATE = 3/29/2012	DATE - MARCH, 2012	REVISED -		SCALE: NTS / SHEET NO. 14 OF 21 SHEETS / STA. / TO STA.	ILLINOIS FED. AID PROJECT	