

CROSS FRAME TABLE - UNIT 1

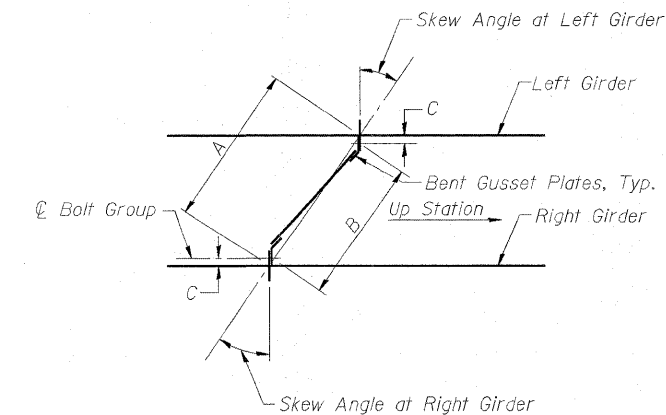
Unit	Name, "CF-"	Type	Quantity	"A" along centerline of cross frame, ft.	"B" parallel to "A", ft.	"C" at right angles to girder, inch	Connection or Brg. plate width, inch	Connection or Brg. plate thickness, inch	Skew angle at left Girder, degrees	FL = Forward Lt. FR = Forward Rt.	Skew angle at right Girder, degrees	FL = Forward Lt. FR = Forward Rt.
1	1	V	9	9.000	8.125	5.25	8	1	0		0	
1	2	V	1	3.167	2.292	5.25	8	1	0		0	
1	3	V	1	8.120	7.245	5.25	8	1	0		1.469	FR
1	4	V	1	6.402	5.527	5.25	8	1	1.469	FR	1.469	FR
1	5	V	1	9.003	8.128	5.25	8	1	1.469	FR	1.469	FR
1	6	VII	8	9.000	8.125	5.25	8	1	0		0	
1	7	VII	1	5.739	4.864	5.25	8	1	0		1.510	FR
1	8	VII	1	9.000	8.125	5.25	8	1	1.510	FR	1.510	FR
1	9	VII	1	4.322	3.447	5.25	8	1	0		1.489	FR
1	10	VII	1	6.402	5.527	5.25	8	1	1.489	FR	1.489	FR
1	11	VII	1	9.003	8.128	5.25	8	1	1.489	FR	1.489	FR
1	12	III	5	9.000	8.208	4.75	7.5	0.625	0		0	
1	13	I	100	9.000	8.208	4.75	7.5	0.625	0		0	
1	14	I	1	3.187	2.395	4.75	7.5	0.625	0.212	FL	0	
1	15	I	1	3.356	2.564	4.75	7.5	0.625	0.647	FL	0	
1	16	I	1	3.695	2.903	4.75	7.5	0.625	1.082	FL	0	
1	17	I	1	4.205	3.413	4.75	7.5	0.625	1.508	FL	0	
1	18	I	1	4.795	4.003	4.75	7.5	0.625	1.506	FL	0	
1	19	I	1	5.267	4.475	4.75	7.5	0.625	1.504	FL	0	
1	20	I	1	6.208	5.416	4.75	7.5	0.625	1.500	FL	0	
1	21	I	1	6.677	5.886	4.75	7.5	0.625	1.498	FL	0	
1	22	I	1	7.199	6.407	4.75	7.5	0.625	1.496	FL	0	
1	23	I	1	7.719	6.927	4.75	7.5	0.625	1.492	FL	0	
1	24	I	1	8.239	7.447	4.75	7.5	0.625	1.492	FL	0	
1	25	I	1	8.757	7.966	4.75	7.5	0.625	1.489	FL	0	
1	26	I	1	3.392	2.601	4.75	7.5	0.625	1.484	FL	0	
1	27	I	1	3.857	3.065	4.75	7.5	0.625	1.482	FL	0	
1	28	I	1	4.784	3.992	4.75	7.5	0.625	1.477	FL	0	
1	29	I	1	5.246	4.455	4.75	7.5	0.625	1.475	FL	0	
1	30	I	1	5.823	5.032	4.75	7.5	0.625	1.471	FL	0	
1	31	I	1	6.399	5.607	4.75	7.5	0.625	1.468	FL	0	
1	32	I	1	6.973	6.181	4.75	7.5	0.625	1.465	FL	0	
1	33	I	1	7.546	6.754	4.75	7.5	0.625	1.461	FL	0	
1	34	I	8	6.400	5.608	4.75	7.5	0.625	0		0	

CROSS FRAME TABLE - UNIT 2

Unit	Name, "CF-"	Type	Quantity	"A" along centerline of cross frame, ft.	"B" parallel to "A", ft.	"C" at right angles to girder, inch	Connection or Brg. plate width, inch	Connection or Brg. plate thickness, inch	Skew angle at left Girder, degrees	FL = Forward Lt. FR = Forward Rt.	Skew angle at right Girder, degrees	FL = Forward Lt. FR = Forward Rt.
									0		0	
2	35	V	2	7.167	6.209	5.75	8.5	1	0		0	
2	36	V	9	9.000	8.042	5.75	8.5	1	0		0	
2	37	V	1	7.426	6.468	5.75	8.5	1	0		1.456	FR
2	38	V	3	9.003	8.044	5.75	8.5	1	1.46	FR	1.46	FR
2	39	V	1	6.667	5.709	5.75	8.5	1	0		0	
2	40	VI	1	8.592	7.884	4.25	8.5	0.75	0		4.235	FR
2	41	VII	1	8.151	7.192	5.75	8.5	1	1.837	FL	0	
2	42	VII	2	9.000	8.042	5.75	8.5	1	0		0	
2	43	VII	1	4.202	3.244	5.75	8.5	1	0		2.022	FR
2	44	VII	1	7.171	6.212	5.75	8.5	1	2.022	FR	2.027	FR
2	45	VII	3	9.006	8.047	5.75	8.5	1	2.027	FR	2.033	FR
2	46	VII	1	8.045	7.055	5.75	8.5	1	15.376	FL	13.539	FL
2	47	VII	4	9.257	8.271	5.75	8.5	1	13.539	FL	13.539	FL
2	48	VII	1	6.927	5.949	5.75	8.5	1	13.539	FL	9.304	FL
2	49	VII	1	7.262	6.291	5.75	8.5	1	9.304	FL	9.304	FL
2	50	VII	3	9.120	8.149	5.75	8.5	1	9.304	FL	9.304	FL
2	51	IV	12	9.000	8.042	5.75	8.5	0.625	0		0	
2	52	IV	2	7.167	6.208	5.75	8.5	0.625	0		0	
2	53	IV	1	4.483	3.523	5.75	8.5	0.625	0		4.235	FR
2	54	II	17	7.167	6.209	5.75	8.5	0.625	0		0	
2	55	II	100	9.000	8.042	5.75	8.5	0.625	0		0	
2	56	II	1	7.996	7.038	5.75	8.5	0.625	0		1.452	FR
2	57	II	1	8.565	7.607	5.75	8.5	0.625	0		1.449	FR
2	58	II	1	9.132	8.174	5.75	8.5	0.625	0		1.445	FR
2	59	II	1	9.698	8.740	5.75	8.5	0.625	0		1.442	FR
2	60	II	1	10.262	9.304	5.75	8.5	0.625	0		1.438	FR
2	61	II	1	4.934	3.975	5.75	8.5	0.625	0		2.387	FR
2	62	II	1	5.786	4.827	5.75	8.5	0.625	0		2.751	FR
2	63	II	1	7.008	6.049	5.75	8.5	0.625	0		3.203	FR
2	64	II	1	8.416	7.457	5.75	8.5	0.625	0		3.654	FR
2	65	II	1	10.010	9.050	5.75	8.5	0.625	0		4.106	FR
2	66	II	1	5.889	4.930	5.75	8.5	0.625	0		4.235	FR
2	67	II	1	7.485	6.525	5.75	8.5	0.625	0		4.235	FR
2	68	II	1	7.541	6.583	5.75	8.5	0.625	1.837	FL	0	
2	69	II	1	8.761	7.802	5.75	8.5	0.625	1.837	FL	0	
2	70	II	12	6.667	5.709	5.75	8.5	0.625	0		0	
2	71	II	1	3.457	2.499	5.75	8.5	0.625	1.837	FL	0	
2	72	II	1	4.211	3.253	5.75	8.5	0.625	1.837	FL	0	
2	73	II	1	5.039	4.081	5.75	8.5	0.625	1.837	FL	0	
2	74	II	1	5.719	4.760	5.75	8.5	0.625	1.837	FL	0	
2	75	II	1	6.473	5.514	5.75	8.5	0.625	1.837	FL	0	
2	76	II	1	7.082	6.124	5.75	8.5	0.625	1.837	FL	0	
2	77	II	1	8.253	7.295	5.75	8.5	0.625	1.837	FL	0	
2	78	II	1	8.815	7.856	5.75	8.5	0.625	1.837	FL	0	

CROSS FRAME TABLE - UNIT 3, UNIT 4 & 082-0324

Unit	Name, "CF-"	Type	Quantity	"A" along centerline of cross frame, ft.	"B" parallel to "A", ft.	"C" at right angles to girder, inch	Connection or Brg. plate width, inch	Connection or Brg. plate thickness, inch	Skew angle at left Girder, degrees	FL = Forward Lt. FR = Forward Rt.	Skew angle at right Girder, degrees	FL = Forward Lt. FR = Forward Rt.
3	79	V	10	8.667	7.959	4.25	7	1	0		0	
3	80	VII	10	8.667	7.209	8.75	11.5	1	0		0	
3	81	VII	5	8.667	7.125	9.25	12	1	0		0	
3	82	I	40	8.667	7.959	4.25	7	0.625	0		0	
3	83	I	40	8.667	7.209	8.75	11.5	1	0		0	
3	84	I	50	8.667	7.875	4.75	7.5	0.625	0		0	
3	85	I	20	8.667	7.125	9.25	12	1	0		0	
4	86	V	5	8.667	7.959	4.25	7	1	0		0	
4	87	V	5	8.667	7.792	5.25	8	1	0		0	
4	88	VII	10	8.667	7.875	4.75	7.5	1.25	0		0	
4	89	VII	5	8.667	7.709	5.75	8.5	1	0		0	
4	90	I	70	8.667	8.042	3.75	6.5	0.625	0		0	
4	91	I	25	8.667	7.959	4.25	7	0.625	0		0	
0324	92	V	4	7.750	7.042	4.25	7	1	0		0	
0324	93	V	4	7.750	6.958	4.75	7.5	1	0		0	
0324	94	VII	20	7.750	6.792	5.75	8.5	1	0		0	
0324	95	I	68	7.750	7.125	3.75	6.5	0.625	0		0	
0324	96	I	44	7.750	7.042	4.25	7	0.625	0		0	
0324	97	I	8	7.750	6.958	4.75	7.5	0.625	0		0	
0324	98	I	24	7.750	6.792	5.75	8.5	0.625	0		0	



USER NAME =
 PLOT SCALE = 0/2" = 1' / IN.
 PLOT DATE = 8/15/2011

DESIGNED - P.J.L.
 DRAWN - BRD
 CHECKED - CHY
 DATE - 08-12-11

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS FRAME DETAILS - III
 I-70E OVER I-55, CSX & KCS RAILROADS

SCALE: SHEET S-129 OF S-234 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	82-1-B-2	ST. CLAIR	399	256
S.N. 082-0322 & S.N. 082-0324		CONTRACT NO. 76C76		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				