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TABLE OF FOUNDATION LOADS - 0° SKEW									
Span Average	Minimum Concrete Pile Size	Tx28, Tx34 & Tx40 GIRDERS				Tx46 & Tx54 GIRDERS			
		Pile Loads				Pile Loads			
		DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)
Ft	In.	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	18	52	22	74	104	55	22	77	107
45		56	23	79	110	60	23	83	115
50		61	24	85	118	65	24	89	123
55	20	65	25	90	125	70	25	95	131
60		70	26	96	133	75	26	101	139
65		75	27	102	141	80	27	107	147
70	24	79	28	107	148	85	28	113	155
75		84	29	113	156	90	29	119	163
80		89	30	119	164	95	30	125	171
85		93	31	124	171	100	31	131	179

TABLE OF FOUNDATION LOADS - 15° SKEW									
Span Average	Minimum Concrete Pile Size	Tx28, Tx34 & Tx40 GIRDERS				Tx46 & Tx54 GIRDERS			
		Pile Loads				Pile Loads			
		DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)
Ft	In.	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	18	52	22	74	104	55	22	77	107
45		56	23	79	110	60	23	83	115
50		61	24	85	118	65	24	89	123
55	20	66	25	91	126	70	25	95	131
60		70	26	96	133	75	26	101	139
65		75	27	102	141	80	27	107	147
70	24	80	28	108	149	85	28	113	155
75		84	29	113	156	90	29	119	163
80		89	30	119	164	95	30	125	171
85		93	31	124	171	100	31	131	179

TABLE OF FOUNDATION LOADS - 30° SKEW									
Span Average	Minimum Concrete Pile Size	Tx28, Tx34 & Tx40 GIRDERS				Tx46 & Tx54 GIRDERS			
		Pile Loads				Pile Loads			
		DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)
Ft	In.	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	18	53	22	75	105	56	22	78	109
45		57	23	80	112	61	23	84	117
50		62	24	86	120	66	24	90	125
55	20	67	25	92	128	71	25	96	133
60		71	26	97	134	76	26	102	141
65		76	27	103	142	81	27	108	149
70	24	81	28	109	150	86	28	114	157
75		85	29	114	157	91	29	120	165
80		90	30	120	165	96	30	126	173
85		94	31	125	172	101	31	132	181

TABLE OF FOUNDATION LOADS - 45° SKEW									
Span Average	Minimum Concrete Pile Size	Tx28, Tx34 & Tx40 GIRDERS				Tx46 & Tx54 GIRDERS			
		Pile Loads				Pile Loads			
		DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)
Ft	In.	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	18	55	22	77	107	58	22	80	111
45		59	23	82	114	63	23	86	119
50		64	24	88	122	68	24	92	127
55	20	69	25	94	130	73	25	98	135
60		73	26	99	137	78	26	104	143
65		78	27	105	145	83	27	110	151
70	24	82	28	110	152	88	28	116	159
75		87	29	116	160	93	29	122	167
80		92	30	122	168	98	30	128	175
85		96	31	127	174	103	31	134	183

- (1) 1.00DC + 1.00LL (all other loads not included)
- (2) 1.25DC + 1.75LL (all other loads not included)


GENERAL NOTES:
 Designed according to AASHTO LRFD Bridge Design Specifications.
 Pile foundation loads based on exposed height of 24 ft.

FOR DESIGNER'S INFORMATION ONLY.
 Loads included here within are to be added to the Foundation Notes sheet.

The values shown on these sheets are applicable for use only with the I-girder trestle bents shown on the standards BTIG-38, BTIG-38-15, BTIG-38-30, and BTIG-38-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

				Bridge Division Standard	
TRESTLE BENT FOUNDATION LOADS PRESTR CONCRETE I-GIRDERS 38' ROADWAY IG-BTFL38-24					
FILE: IG-BTFL38-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT	
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