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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	47	21	68	96	50	21	71	99
45		51	23	74	104	55	23	78	109
50		56	24	80	112	60	24	84	117
55	20	60	25	85	119	64	25	89	124
60		64	26	90	126	69	26	95	132
65		69	27	96	134	74	27	101	140
70	24	73	28	101	140	78	28	106	147
75		77	29	106	147	83	29	112	155
80		81	30	111	154	88	30	118	163
85		86	30	116	160	92	30	122	168

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	47	21	68	96	51	21	72	101
45		52	23	75	105	55	23	78	109
50		56	24	80	112	60	24	84	117
55	20	60	25	85	119	65	25	90	125
60		64	26	90	126	69	26	95	132
65		69	27	96	134	74	27	101	140
70	24	73	28	101	140	79	28	107	148
75		77	29	106	147	83	29	112	155
80		81	30	111	154	88	30	118	163
85		86	30	116	160	92	30	122	168

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	48	21	69	97	51	21	72	101
45		53	23	76	107	56	23	79	110
50		57	24	81	113	61	24	85	118
55	20	61	25	86	120	65	25	90	125
60		65	26	91	127	70	26	96	133
65		70	27	97	135	75	27	102	141
70	24	74	28	102	142	79	28	107	148
75		78	29	107	148	84	29	113	156
80		82	30	112	155	89	30	119	164
85		87	30	117	161	93	30	123	169

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	50	21	71	99	53	21	74	103
45		54	23	77	108	58	23	81	113
50		58	24	82	115	62	24	86	120
55	20	63	25	88	123	67	25	92	128
60		67	26	93	129	72	26	98	136
65		71	27	98	136	76	27	103	142
70	24	75	28	103	143	81	28	109	150
75		80	29	109	151	86	29	115	158
80		84	30	114	158	90	30	120	165
85		88	30	118	163	95	30	125	171

- (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-24, BTIG-24-15, BTIG-24-30, and BTIG-24-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

Texas Department of Transportation				Bridge Division Standard	
<h2 style="margin: 0;">TRESTLE BENT FOUNDATION LOADS</h2> <h3 style="margin: 0;">PRESTR CONCRETE I-GIRDERS</h3> <h3 style="margin: 0;">24' ROADWAY</h3> <h2 style="margin: 0;">IG-BTFL24-24</h2>					
FILE: IG-BTFL24-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT	
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