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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	50	18	68	94	53	18	71	98
45		54	19	73	101	58	19	77	106
50		59	20	79	109	63	20	83	114
55	20	63	21	84	116	68	21	89	122
60		68	22	90	124	73	22	95	130
65		72	23	95	130	77	23	100	137
70	24	77	24	101	138	82	24	106	145
75		81	24	105	143	87	24	111	151
80		86	25	111	151	92	25	117	159
85		90	26	116	158	97	26	123	167

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	50	18	68	94	53	18	71	98
45		55	19	74	102	58	19	77	106
50		59	20	79	109	63	20	83	114
55	20	64	21	85	117	68	21	89	122
60		68	22	90	124	73	22	95	130
65		72	23	95	130	78	23	101	138
70	24	77	24	101	138	82	24	106	145
75		81	24	105	143	87	24	111	151
80		86	25	111	151	92	25	117	159
85		90	26	116	158	97	26	123	167

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	51	18	69	95	54	18	72	99
45		56	19	75	103	59	19	78	107
50		60	20	80	110	64	20	84	115
55	20	65	21	86	118	69	21	90	123
60		69	22	91	125	74	22	96	131
65		73	23	96	132	79	23	102	139
70	24	78	24	102	140	83	24	107	146
75		82	24	106	145	88	24	112	152
80		87	25	112	153	93	25	118	160
85		91	26	117	159	98	26	124	168

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	53	18	71	98	56	18	74	102
45		57	19	76	105	61	19	80	110
50		62	20	82	113	66	20	86	118
55	20	66	21	87	119	71	21	92	126
60		71	22	93	127	76	22	98	134
65		75	23	98	134	80	23	103	140
70	24	80	24	104	142	85	24	109	148
75		84	24	108	147	90	24	114	155
80		89	25	114	155	95	25	120	163
85		93	26	119	162	100	26	126	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-44, BTIG-44-15, BTIG-44-30, and BTIG-44-45.

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;">44' ROADWAY</h3> <h2 style="margin: 0;">IG-BTFL44-24</h2>					
FILE: IG-BTFL44-24.dgn		DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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