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DATE:
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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	21	73	102	55	21	76	106
45		57	23	80	112	61	23	84	117
50		62	24	86	120	66	24	90	125
55	20	66	25	91	126	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		95	30	125	171	101	30	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	21	73	102	56	21	77	107
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	97	30	127	174
85		95	30	125	171	102	30	132	180

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	54	21	75	104	57	21	78	108
45		58	23	81	113	62	23	85	118
50		63	24	87	121	67	24	91	126
55	20	68	25	93	129	72	25	97	134
60		72	26	98	136	77	26	103	142
65		77	27	104	144	82	27	109	150
70	24	82	28	110	152	87	28	115	158
75		87	29	116	160	93	29	122	167
80		91	30	121	166	98	30	128	175
85		96	30	126	173	103	30	133	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	56	21	77	107	59	21	80	111
45		60	23	83	115	64	23	87	120
50		65	24	89	123	69	24	93	128
55	20	70	25	95	131	74	25	99	136
60		74	26	100	138	79	26	105	144
65		79	27	106	146	84	27	111	152
70	24	84	28	112	154	89	28	117	160
75		89	29	118	162	95	29	124	170
80		93	30	123	169	100	30	130	178
85		98	30	128	175	105	30	135	184

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

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;">30' ROADWAY</h3> <h2 style="margin: 0;">IG-BTFL30-24</h2>					
FILE: IG-BTFL30-24.dgn		DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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		DIST	COUNTY		SHEET NO.