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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	50	21	71	99	54	21	75	104
45		55	23	78	109	59	23	82	114
50		60	24	84	117	64	24	88	122
55	20	64	25	89	124	69	25	94	130
60		69	26	95	132	74	26	100	138
65		73	27	100	139	79	27	106	146
70	24	78	28	106	147	83	28	111	153
75		82	29	111	153	88	29	117	161
80		87	30	117	161	93	30	123	169
85		92	30	122	168	98	30	128	175

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	51	21	72	101	54	21	75	104
45		55	23	78	109	59	23	82	114
50		60	24	84	117	64	24	88	122
55	20	64	25	89	124	69	25	94	130
60		69	26	95	132	74	26	100	138
65		74	27	101	140	79	27	106	146
70	24	78	28	106	147	84	28	112	154
75		83	29	112	155	89	29	118	162
80		87	30	117	161	94	30	124	170
85		92	30	122	168	99	30	129	176

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	52	21	73	102	55	21	76	106
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		88	30	118	163	95	30	125	171
85		93	30	123	169	100	30	130	178

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	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	67	25	92	128	72	25	97	134
60		72	26	98	136	77	26	103	142
65		76	27	103	142	82	27	109	150
70	24	81	28	109	150	87	28	115	158
75		86	29	115	158	92	29	121	166
80		90	30	120	165	97	30	127	174
85		95	30	125	171	101	30	131	179

- (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-28, BTIG-28-15, BTIG-28-30, and BTIG-28-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

Texas Department of Transportation				Bridge Division Standard	
<p style="margin: 0;">TRESTLE BENT FOUNDATION LOADS PRESTR CONCRETE I-GIRDERS 28' ROADWAY</p> <p style="margin: 0;">IG-BTFL28-24</p>					
FILE: IG-BTFL28-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CR: TxDOT	
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REVISIONS					
DIST	COUNTY			SHEET NO.	