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TABLE OF FOUNDATION LOADS								
30' Roadway - 0° Skew								
Span Length	Drilled Shaft Loads				Pile Loads			
	DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)
Ft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
30	47	25	72	103	27	15	42	60
35	52	27	79	113	30	16	46	66
40	56	28	84	119	32	17	49	70
45	61	30	91	129	35	18	53	76
50	66	31	97	137	38	19	57	81
55	70	33	103	146	41	20	61	87
60	75	34	109	154	44	21	65	92
65	80	35	115	162	46	21	67	95
70	84	37	121	170	49	22	71	100
75	89	38	127	178	52	23	75	106
80	95	39	134	187	55	24	79	111
85	100	40	140	195	59	24	83	116
90	107	42	149	208	63	25	88	123
95	113	43	156	217	66	26	92	128
100	121	44	165	229	71	27	98	136
105	126	45	171	237	74	27	101	140
110	134	46	180	248	79	28	107	148
115	141	47	188	259	83	29	---	---
120	149	49	198	272	88	29	---	---

TABLE OF FOUNDATION LOADS								
30' Roadway - 15° Skew								
Span Length	Drilled Shaft Loads				Pile Loads			
	DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)
Ft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
30	48	25	73	104	27	15	42	60
35	52	27	79	113	30	16	46	66
40	57	28	85	121	33	17	50	71
45	61	30	91	129	35	18	53	76
50	66	31	97	137	38	19	57	81
55	71	33	104	147	41	20	61	87
60	75	34	109	154	44	21	65	92
65	80	35	115	162	47	21	68	96
70	85	37	122	171	49	22	71	100
75	89	38	127	178	52	23	75	106
80	95	39	134	187	56	24	80	112
85	101	40	141	197	59	24	83	116
90	107	42	149	208	63	25	88	123
95	113	43	156	217	67	26	93	130
100	121	44	165	229	71	27	98	136
105	126	45	171	237	74	27	101	140
110	134	46	180	248	79	28	107	148
115	141	47	188	259	83	29	---	---
120	149	49	198	272	88	29	---	---

TABLE OF FOUNDATION LOADS								
30' Roadway - 30° Skew								
Span Length	Drilled Shaft Loads				Pile Loads			
	DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)
Ft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
30	48	25	73	104	28	15	43	62
35	53	27	80	114	30	16	46	66
40	57	28	85	121	33	17	50	71
45	62	30	92	130	36	18	54	77
50	67	31	98	138	39	19	58	82
55	71	33	104	147	41	20	61	87
60	76	34	110	155	44	21	65	92
65	81	35	116	163	47	21	68	96
70	85	37	122	171	50	22	72	101
75	90	38	128	179	53	23	76	107
80	96	39	135	189	56	24	80	112
85	101	40	141	197	59	24	83	116
90	108	42	150	209	63	25	88	123
95	114	43	157	218	67	26	93	130
100	122	44	166	230	72	27	99	138
105	127	45	172	238	75	27	102	141
110	135	46	181	250	79	28	107	148
115	142	47	189	260	84	29	---	---
120	150	49	199	274	89	29	---	---

- (1) 1.00DC + 1.00EH + 1.00LL (all other loads not included)
- (2) 1.25DC + 1.50EH + 1.75LL (all other loads not included)

GENERAL NOTES:


Designed according to AASHTO LRFD Bridge Design Specifications.
 Drilled shaft foundation loads based on "H" = 30 ft.
 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 steel beam bents shown on the standards BSB-30, BSB-30-15, and BSB-30-30.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

	Bridge Division Standard
<h2 style="margin: 0;">BENT FOUNDATION LOADS</h2> <h3 style="margin: 0;">STEEL BEAMS</h3> <h3 style="margin: 0;">30' ROADWAY</h3> <h2 style="margin: 0;">SB-BFL30-24</h2>	
FILE: SB-BFL30-24.dgn © TxDOT May 2024	DN: TxDOT CK: TxDOT DW: TxDOT CK: TxDOT CONT SECT JOB HIGHWAY REVISIONS DIST COUNTY SHEET NO.