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DATE:  
FILE:

TABLE OF FOUNDATION LOADS								
24' 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	62	24	86	120	35	15	50	70
35	69	26	95	132	40	16	56	78
40	76	28	104	144	44	17	61	85
45	84	29	113	156	49	18	67	93
50	91	31	122	168	53	19	72	100
55	99	32	131	180	58	20	78	108
60	106	34	140	192	62	21	83	114
65	113	35	148	203	66	21	87	119
70	121	36	157	214	71	22	93	127
75	128	38	166	227	75	23	98	134
80	136	39	175	238	80	24	104	142
85	143	40	183	249	84	24	108	147
90	150	42	192	261	---	---	---	---
95	158	43	201	273	---	---	---	---

TABLE OF FOUNDATION LOADS								
28' 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	66	24	90	125	38	15	53	74
35	75	26	101	139	43	16	59	82
40	82	28	110	152	48	17	65	90
45	91	29	120	165	53	18	71	98
50	99	31	130	178	58	19	77	106
55	107	32	139	190	63	19	82	112
60	115	34	149	203	67	20	87	119
65	123	35	158	215	72	21	93	127
70	131	36	167	227	77	22	99	135
75	139	38	177	240	82	23	105	143
80	147	39	186	252	87	23	110	149
85	155	40	195	264	---	---	---	---
90	163	41	204	276	---	---	---	---
95	172	43	215	290	---	---	---	---
100	180	44	224	302	---	---	---	---

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	72	24	96	132	41	15	56	78
35	80	26	106	146	46	16	62	86
40	89	28	117	160	52	17	69	95
45	98	29	127	173	57	18	75	103
50	107	31	138	188	62	19	81	111
55	116	32	148	201	68	19	87	118
60	124	34	158	215	73	20	93	126
65	133	35	168	228	78	21	99	134
70	142	36	178	241	84	22	106	144
75	151	38	189	255	---	---	---	---
80	160	39	199	268	---	---	---	---
85	169	40	209	281	---	---	---	---
90	178	41	219	294	---	---	---	---
95	187	42	229	307	---	---	---	---
100	196	43	239	320	---	---	---	---

- (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.  
 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 box beam bents shown on the standards BBB-24, BBB-28, and BBB-30.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

**HL93 LOADING**

 Texas Department of Transportation	Bridge Division Standard
<h2 style="margin: 0;">BENT FOUNDATION LOADS</h2> <h3 style="margin: 0;">BOX BEAMS</h3> <h4 style="margin: 0;">BB-BFL-24</h4>	
FILE: BB-BFL-24.dgn	DN: TxDOT    CK: TxDOT    DW: TxDOT    CK: TxDOT
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REVISIONS	
DIST	COUNTY SHEET NO.