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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	46	25	71	102	31	19	50	72
35	49	27	76	109	34	20	54	78
40	53	28	81	116	37	21	58	83
45	57	30	87	124	40	23	63	91
50	62	31	93	132	43	24	67	96
55	66	33	99	141	47	25	72	103
60	71	34	105	149	50	26	76	108
65	75	35	110	155	53	27	80	114
70	80	37	117	165	57	28	85	121
75	85	38	123	173	61	29	90	127
80	91	39	130	182	65	30	95	134
85	96	40	136	190	68	30	98	138
90	103	42	145	203	74	31	105	147
95	107	43	150	209	77	32	109	153
100	114	44	158	220	82	33	---	---
105	117	45	162	225	85	34	---	---
110	127	46	173	240	92	35	---	---
115	132	47	179	248	96	36	---	---
120	140	49	189	261	102	37	---	---

TABLE OF FOUNDATION LOADS								
28' 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	46	25	71	102	31	19	50	72
35	49	27	76	109	34	20	54	78
40	53	28	81	116	37	21	58	83
45	58	30	88	125	40	23	63	91
50	62	31	93	132	43	24	67	96
55	67	33	100	142	47	25	72	103
60	71	34	105	149	50	26	76	108
65	75	35	110	155	53	27	80	114
70	80	37	117	165	57	28	85	121
75	85	38	123	173	61	29	90	127
80	91	39	130	182	65	30	95	134
85	96	40	136	190	69	30	99	139
90	103	42	145	203	74	31	105	147
95	107	43	150	209	77	32	109	153
100	114	44	158	220	82	33	---	---
105	118	45	163	227	85	34	---	---
110	127	46	173	240	92	35	---	---
115	132	47	179	248	96	36	---	---
120	140	49	189	261	102	37	---	---

TABLE OF FOUNDATION LOADS								
28' 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	47	25	72	103	32	19	51	74
35	50	27	77	110	34	20	54	78
40	54	28	82	117	38	21	59	85
45	58	30	88	125	41	23	64	92
50	63	31	94	133	44	24	68	97
55	67	33	100	142	47	25	72	103
60	72	34	106	150	51	26	77	110
65	76	35	111	157	54	27	81	115
70	81	37	118	166	58	28	86	122
75	86	38	124	174	61	29	90	127
80	92	39	131	184	66	30	96	135
85	97	40	137	192	69	30	99	139
90	104	42	146	204	75	31	106	148
95	108	43	151	211	78	32	110	154
100	115	44	159	221	83	33	---	---
105	118	45	163	227	86	34	---	---
110	128	46	174	241	93	35	---	---
115	133	47	180	249	97	36	---	---
120	141	49	190	262	103	37	---	---

- 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-28, BSB-28-15, and BSB-28-30.

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;">28' ROADWAY</h3> <h2 style="margin: 0;">SB-BFL28-24</h2>													
FILE: SB-BFL28-24.dgn © TxDOT May 2024 REVISIONS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DN: TxDOT</td> <td style="width: 20%;">CK: TxDOT</td> <td style="width: 20%;">DW: TxDOT</td> <td style="width: 40%;">CR: TxDOT</td> </tr> <tr> <td>CONT</td> <td>SECT</td> <td>JOB</td> <td>HIGHWAY</td> </tr> <tr> <td colspan="2">DIST</td> <td>COUNTY</td> <td>SHEET NO.</td> </tr> </table>	DN: TxDOT	CK: TxDOT	DW: TxDOT	CR: TxDOT	CONT	SECT	JOB	HIGHWAY	DIST		COUNTY	SHEET NO.
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