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DATE:
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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	41	25	66	95	28	19	47	69
35	45	27	72	104	31	20	51	74
40	49	28	77	111	33	21	54	78
45	53	30	83	119	36	23	59	86
50	57	31	88	126	39	24	63	91
55	61	33	94	134	42	25	67	97
60	64	34	98	140	45	26	71	102
65	68	35	103	147	48	27	75	108
70	72	37	109	155	51	28	79	113
75	77	38	115	163	55	29	84	120
80	81	39	120	170	58	30	88	125
85	86	40	126	178	61	30	91	129
90	91	42	133	188	65	31	96	136
95	96	43	139	196	69	32	101	143
100	102	44	146	205	74	33	107	151
105	109	45	154	215	78	34	---	---
110	115	46	161	225	83	35	---	---
115	121	47	168	234	88	36	---	---
120	129	49	178	247	94	37	---	---

TABLE OF FOUNDATION LOADS								
24' 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	41	25	66	95	28	19	47	69
35	45	27	72	104	31	20	51	74
40	49	28	77	111	34	21	55	80
45	53	30	83	119	37	23	60	87
50	57	31	88	126	39	24	63	91
55	61	33	94	134	42	25	67	97
60	65	34	99	141	45	26	71	102
65	68	35	103	147	48	27	75	108
70	72	37	109	155	51	28	79	113
75	77	38	115	163	55	29	84	120
80	81	39	120	170	58	30	88	125
85	86	40	126	178	61	30	91	129
90	91	42	133	188	65	31	96	136
95	96	43	139	196	69	32	101	143
100	102	44	146	205	74	33	107	151
105	109	45	154	215	79	34	---	---
110	115	46	161	225	83	35	---	---
115	121	47	168	234	88	36	---	---
120	129	49	178	247	94	37	---	---

TABLE OF FOUNDATION LOADS								
24' 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	42	25	67	97	28	19	47	69
35	46	27	73	105	31	20	51	74
40	50	28	78	112	34	21	55	80
45	54	30	84	120	37	23	60	87
50	57	31	88	126	40	24	64	92
55	61	33	94	134	43	25	68	98
60	65	34	99	141	46	26	72	103
65	69	35	104	148	49	27	76	109
70	73	37	110	156	52	28	80	114
75	78	38	116	164	55	29	84	120
80	82	39	121	171	58	30	88	125
85	87	40	127	179	62	30	92	130
90	92	42	134	189	66	31	97	137
95	97	43	140	197	70	32	102	144
100	103	44	147	206	74	33	107	151
105	110	45	155	217	79	34	---	---
110	115	46	161	225	83	35	---	---
115	122	47	169	235	88	36	---	---
120	130	49	179	249	94	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-24, BSB-24-15, and BSB-24-30.

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;">STEEL BEAMS</h3> <h3 style="margin: 0;">24' ROADWAY</h3> <h2 style="margin: 0;">SB-BFL24-24</h2>													
FILE: SB-BFL24-24.dgn © TxDOT May 2024 REVISIONS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DN: TxDOT</td> <td style="width: 25%;">CK: TxDOT</td> <td style="width: 25%;">DW: TxDOT</td> <td style="width: 25%;">CK: 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	CK: TxDOT	CONT	SECT	JOB	HIGHWAY	DIST		COUNTY	SHEET NO.
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