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TABLE OF FOUNDATION LOADS - 0° SKEW

Span Average	Drilled Shaft Loads				Pile Load												
					3 Pile Ftg				4 Pile Ftg				5 Pile Ftg				
	DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)	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	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	99	27	126	171	37	9	46	62	28	7	35	47	24	6	30	41	
45	108	29	137	186	40	10	50	68	31	8	39	53	25	6	31	42	
50	117	30	147	199	43	10	53	71	33	8	41	55	27	6	33	44	
55	126	31	157	212	45	11	56	76	35	8	43	58	29	7	36	49	
60	134	33	167	225	48	11	59	79	37	9	46	62	31	7	38	51	
65	143	34	177	238	51	12	63	85	39	9	48	65	32	7	39	52	
70	152	35	187	251	54	12	66	89	42	9	51	68	34	7	41	55	
75	161	36	197	264	57	12	69	92	44	9	53	71	36	8	44	59	
80	169	38	207	278	60	13	73	98	46	10	56	75	38	8	46	62	
85	178	39	217	291	63	13	76	102	48	10	58	78	39	8	47	63	
90	187	40	227	304	66	14	80	107	50	10	60	80	41	8	49	65	
95	196	41	237	317	69	14	83	111	52	11	63	84	43	9	52	70	
100	204	42	246	329	72	14	86	115	55	11	66	88	45	9	54	72	
105	213	43	256	342	75	15	90	120	57	11	68	91	46	9	55	73	
110	222	44	266	355	78	15	93	124	59	11	70	93	48	9	57	76	

TABLE OF FOUNDATION LOADS - 15° SKEW

Span Average	Drilled Shaft Loads				Pile Load												
					3 Pile Ftg				4 Pile Ftg				5 Pile Ftg				
	DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)	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	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	100	27	127	172	37	9	46	62	28	7	35	47	24	6	30	41	
45	109	29	138	187	40	10	50	68	31	8	39	53	25	6	31	42	
50	117	30	147	199	43	10	53	71	33	8	41	55	27	6	33	44	
55	126	31	157	212	46	11	57	77	35	8	43	58	29	7	36	49	
60	135	33	168	227	48	11	59	79	37	9	46	62	31	7	38	51	
65	144	34	178	240	51	12	63	85	39	9	48	65	32	7	39	52	
70	152	35	187	251	54	12	66	89	42	9	51	68	34	7	41	55	
75	161	36	197	264	57	12	69	92	44	9	53	71	36	8	44	59	
80	170	38	208	279	60	13	73	98	46	10	56	75	38	8	46	62	
85	179	39	218	292	63	13	76	102	48	10	58	78	39	8	47	63	
90	187	40	227	304	66	14	80	107	50	10	60	80	41	8	49	65	
95	196	41	237	317	69	14	83	111	53	11	64	86	43	9	52	70	
100	205	42	247	330	72	14	86	115	55	11	66	88	45	9	54	72	
105	214	43	257	343	75	15	90	120	57	11	68	91	46	9	55	73	
110	222	44	266	355	78	15	93	124	59	11	70	93	48	9	57	76	

- 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. Foundation loads based on "H" = 36 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 prestressed X-beam bents shown on the standards BXB-44, BXB-44-15, and BXB-44-30.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

TABLE OF FOUNDATION LOADS - 30° SKEW

Span Average	Drilled Shaft Loads				Pile Load												
					3 Pile Ftg				4 Pile Ftg				5 Pile Ftg				
	DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)	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	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	101	27	128	174	37	9	46	62	29	7	36	49	24	6	30	41	
45	110	29	139	188	40	10	50	68	31	8	39	53	26	6	32	43	
50	119	30	149	201	43	10	53	71	33	8	41	55	27	6	33	44	
55	127	31	158	213	46	11	57	77	35	8	43	58	29	7	36	49	
60	136	33	169	228	49	11	60	81	38	9	47	63	31	7	38	51	
65	145	34	179	241	52	12	64	86	40	9	49	66	33	7	40	54	
70	154	35	189	254	55	12	67	90	42	9	51	68	34	7	41	55	
75	162	36	198	266	58	12	70	94	44	9	53	71	36	8	44	59	
80	171	38	209	280	61	13	74	99	46	10	56	75	38	8	46	62	
85	180	39	219	293	63	13	76	102	48	10	58	78	40	8	48	64	
90	189	40	229	306	66	14	80	107	51	10	61	81	41	8	49	65	
95	197	41	238	318	69	14	83	111	53	11	64	86	43	9	52	70	
100	206	42	248	331	72	14	86	115	55	11	66	88	45	9	54	72	
105	215	43	258	344	75	15	90	120	57	11	68	91	47	9	56	75	
110	224	44	268	357	78	15	93	124	59	11	70	93	48	9	57	76	

DATE:
FILE:

HL93 LOADING

Texas Department of Transportation				Bridge Division Standard
<p style="margin: 0;">BENT FOUNDATION LOADS</p> <p style="margin: 0;">PRESTRESSED CONCRETE X-BEAMS</p> <p style="margin: 0;">44' ROADWAY</p> <p style="margin: 0;">XB-BFL44-24</p>				
FILE: XB-BFL44-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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