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DATE:  
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**TABLE OF FOUNDATION LOADS - 0° SKEW**

Span Length	Drilled Shaft Loads				Pile Loads				
	DC	LL	Service I (1)	Strength I (2)	DC	EH (3)	LL	Service I (1)	Strength I (2)
	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	46	22	68	96	24	12	20	56	83
45	50	23	73	103	26	12	21	59	87
50	54	24	78	110	28	12	21	61	90
55	57	25	82	115	30	12	22	64	94
60	61	26	87	122	32	12	22	66	97
65	65	27	92	129	34	12	22	68	99
70	69	28	97	135	36	12	23	71	103
75	73	28	101	140	38	12	23	73	106
80	77	29	106	147	40	12	23	75	108
85	80	30	110	153	42	12	24	78	113
90	84	30	114	158	44	12	24	80	115
95	88	31	119	164	46	12	24	82	118
100	92	32	124	171	48	12	25	85	122
105	96	32	128	176	49	12	25	86	123

**TABLE OF FOUNDATION LOADS - 15° SKEW**

Span Length	Drilled Shaft Loads				Pile Loads				
	DC	LL	Service I (1)	Strength I (2)	DC	EH (3)	LL	Service I (1)	Strength I (2)
	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	46	22	68	96	24	12	20	56	83
45	50	23	73	103	26	12	21	59	87
50	54	24	78	110	28	12	21	61	90
55	58	25	83	116	30	12	22	64	94
60	62	26	88	123	32	12	22	66	97
65	65	27	92	129	34	12	23	69	101
70	69	28	97	135	36	12	23	71	103
75	73	28	101	140	38	12	23	73	106
80	77	29	106	147	40	12	24	76	110
85	81	30	111	154	42	12	24	78	113
90	85	30	115	159	44	12	25	81	117
95	88	31	119	164	46	12	25	83	119
100	92	32	124	171	48	12	25	85	122
105	96	32	128	176	50	12	25	87	124

**TABLE OF FOUNDATION LOADS - 30° SKEW**

Span Length	Drilled Shaft Loads				Pile Loads				
	DC	LL	Service I (1)	Strength I (2)	DC	EH (3)	LL	Service I (1)	Strength I (2)
	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	38	18	56	79	20	10	17	47	70
45	41	19	60	85	21	10	17	48	71
50	44	20	64	90	23	10	17	50	74
55	47	20	67	94	25	10	18	53	78
60	50	21	71	99	26	10	18	54	79
65	53	22	75	105	28	10	18	56	82
70	56	22	78	109	29	10	19	58	85
75	59	23	82	114	31	10	19	60	87
80	62	23	85	118	32	10	19	61	88
85	66	24	90	125	34	10	20	64	93
90	69	24	93	128	36	10	20	66	95
95	72	25	97	134	37	10	20	67	96
100	75	25	100	138	39	10	20	69	99
105	78	26	104	143	40	10	21	71	102

- ① 1.00DC + 1.00EH + 1.00LL (all other loads not included)
- ② 1.25DC + 1.50EH + 1.75LL (all other loads not included)
- ③ Axial load due to the soil pressure acting on the backwall, which is generated due to the pile batter.


**GENERAL NOTES:**  
Designed according to AASHTO LRFD Bridge Design Specifications.

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 abutments shown on the standards AXB-38, AXB-38-15, and AXB-38-30.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

**HL93 LOADING**

				Bridge Division Standard	
<b>ABUTMENT FOUNDATION LOADS</b> <b>PRESTRESSED CONCRETE X-BEAMS</b> <b>38' ROADWAY</b> <b>XB-AFL38-24</b>					
FILE: XB-AFL38-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT	
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REVISIONS		DIST		COUNTY	SHEET NO.