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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	42	18	60	84	22	10	17	49	72
45	46	19	65	91	24	10	17	51	75
50	49	20	69	96	26	10	18	54	79
55	53	20	73	101	27	10	18	55	80
60	56	21	77	107	29	10	18	57	83
65	60	22	82	114	31	10	19	60	87
70	63	22	85	117	33	10	19	62	90
75	67	23	90	124	35	10	19	64	92
80	71	23	94	129	37	10	20	67	96
85	74	24	98	135	38	10	20	68	98
90	78	24	102	140	40	10	20	70	100
95	81	25	106	145	42	10	20	72	103
100	85	25	110	150	44	10	21	75	107
105	88	26	114	156	46	10	21	77	109
110	92	26	118	161	48	10	21	79	112

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	42	18	60	84	22	11	17	50	74
45	46	19	65	91	24	11	17	52	76
50	50	20	70	98	26	11	18	55	81
55	53	20	73	101	28	11	18	57	83
60	57	21	78	108	29	11	18	58	84
65	60	22	82	114	31	11	19	61	89
70	64	22	86	119	33	11	19	63	91
75	67	23	90	124	35	11	19	65	94
80	71	23	94	129	37	11	20	68	98
85	74	24	98	135	39	11	20	70	100
90	78	24	102	140	40	11	20	71	102
95	82	25	107	146	42	11	21	74	106
100	85	25	110	150	44	11	21	76	108
105	89	26	115	157	46	11	21	78	111
110	92	26	118	161	48	11	21	80	113

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	43	18	61	85	23	12	18	53	78
45	47	19	66	92	24	12	18	54	80
50	51	20	71	99	26	12	19	57	84
55	54	20	74	103	28	12	19	59	86
60	58	21	79	109	30	12	19	61	89
65	61	22	83	115	32	12	20	64	93
70	65	22	87	120	34	12	20	66	96
75	68	23	91	125	35	12	20	67	97
80	72	23	95	130	37	12	20	69	99
85	75	24	99	136	39	12	21	72	104
90	79	24	103	141	41	12	21	74	106
95	83	25	108	148	43	12	21	76	109
100	86	25	111	151	45	12	22	79	113
105	90	26	116	158	46	12	22	80	114
110	93	26	119	162	48	12	22	82	117

- 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-44, AXB-44-15, and AXB-44-30.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

 Texas Department of Transportation	Bridge Division Standard
<p>ABUTMENT FOUNDATION LOADS</p> <p>PRESTRESSED CONCRETE X-BEAMS</p> <p>44' ROADWAY</p> <p>XB-AFL44-24</p>	
FILE: XB-AFL44-24.dgn © TxDOT May 2024 REVISIONS	DN: TxDOT CK: TxDOT DW: TxDOT CK: TxDOT CONT SECT JOB HIGHWAY DIST COUNTY SHEET NO.