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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	38	18	56	79	20	14	18	52	78
45	41	19	60	85	21	14	18	53	79
50	44	20	64	90	23	14	19	56	83
55	47	20	67	94	24	14	19	57	84
60	50	21	71	99	26	14	20	60	89
65	53	22	75	105	27	14	20	61	90
70	56	22	78	109	29	14	20	63	92
75	59	23	82	114	30	14	21	65	95
80	62	23	85	118	32	14	21	67	98
85	64	24	88	122	33	14	21	68	99
90	67	24	91	126	35	14	21	70	102
95	70	25	95	131	36	14	22	72	105
100	73	25	98	135	38	14	22	74	107
105	76	26	102	141	39	14	22	75	108
110	79	26	105	144	41	14	22	77	111
115	82	27	109	150	42	14	23	79	114
120	85	27	112	154	44	14	23	81	116
125	88	28	116	159	45	14	23	82	118

**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	39	18	57	80	20	15	18	53	79
45	41	19	60	85	22	15	19	56	83
50	44	20	64	90	23	15	19	57	85
55	47	20	67	94	25	15	19	59	87
60	50	21	71	99	26	15	20	61	90
65	53	22	75	105	28	15	20	63	93
70	56	22	78	109	29	15	20	64	94
75	59	23	82	114	31	15	21	67	98
80	62	23	85	118	32	15	21	68	99
85	65	24	89	123	34	15	21	70	102
90	68	24	92	127	35	15	22	72	105
95	71	25	96	133	37	15	22	74	107
100	74	25	99	136	38	15	22	75	109
105	76	26	102	141	40	15	22	77	111
110	79	26	105	144	41	15	23	79	114
115	82	27	109	150	43	15	23	81	117
120	85	27	112	154	44	15	23	82	118
125	88	28	116	159	46	15	23	84	120

**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	40	18	58	82	21	16	19	56	84
45	43	19	62	87	22	16	20	58	87
50	45	20	65	91	24	16	20	60	89
55	48	20	68	95	25	16	20	61	90
60	51	21	72	101	27	16	21	64	95
65	54	22	76	106	28	16	21	65	96
70	57	22	79	110	30	16	21	67	98
75	60	23	83	115	31	16	22	69	101
80	63	23	86	119	33	16	22	71	104
85	66	24	90	125	34	16	22	72	105
90	69	24	93	128	36	16	22	74	108
95	72	25	97	134	37	16	23	76	111
100	75	25	100	138	39	16	23	78	113
105	78	26	104	143	40	16	23	79	114
110	80	26	106	146	42	16	23	81	117
115	83	27	110	151	43	16	24	83	120
120	86	27	113	155	45	16	24	85	122
125	89	28	117	160	46	16	24	86	124

**TABLE OF FOUNDATION LOADS - 45° 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	35	15	50	70	18	16	18	52	78
45	38	16	54	76	20	16	18	54	81
50	40	16	56	78	21	16	18	55	82
55	42	17	59	82	22	16	19	57	85
60	45	17	62	86	23	16	19	58	86
65	47	18	65	90	25	16	19	60	89
70	50	19	69	96	26	16	19	61	90
75	52	19	71	98	27	16	20	63	93
80	55	19	74	102	28	16	20	64	94
85	57	20	77	106	30	16	20	66	97
90	59	20	79	109	31	16	20	67	98
95	62	21	83	114	32	16	21	69	101
100	64	21	85	117	33	16	21	70	102
105	67	22	89	122	35	16	21	72	105
110	69	22	91	125	36	16	21	73	106
115	72	22	94	129	37	16	21	74	107
120	74	23	97	133	38	16	22	76	110
125	76	23	99	135	40	16	22	78	113

- 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 I-girder abutments shown on the standards AIG-44, AIG-44-15, AIG-44-30, and AIG-44-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

**HL93 LOADING**

		<b>Bridge Division Standard</b>	
<p><b>ABUTMENT FOUNDATION LOADS</b> <b>PRESTR CONCRETE I-GIRDERS</b> <b>TYPE Tx28 - Tx54</b> <b>44' ROADWAY</b> <b>IG-AFL44-24</b></p>			
FILE: IG-AFL44-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT
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REVISIONS	COUNTY		SHEET NO.