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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
Ft									
60	58	26	84	118	30	18	24	72	107
65	61	27	88	124	32	18	24	74	109
70	65	28	93	130	34	18	25	77	113
75	68	28	96	134	35	18	25	78	115
80	71	29	100	140	37	18	25	80	117
85	75	30	105	146	39	18	26	83	121
90	78	30	108	150	40	18	26	84	123
95	81	31	112	156	42	18	26	86	125
100	84	32	116	161	44	18	27	89	129
105	88	32	120	166	45	18	27	90	131
110	91	33	124	172	47	18	27	92	133
115	94	33	127	175	49	18	28	95	137
120	98	34	132	182	51	18	28	97	140
125	101	34	135	186	52	18	28	98	141
130	104	35	139	191	54	18	29	101	145
135	108	36	144	198	56	18	29	103	148

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
Ft									
60	59	26	85	119	30	19	24	73	108
65	62	27	89	125	32	19	25	76	112
70	65	28	93	130	34	19	25	78	115
75	68	28	96	134	35	19	26	80	118
80	72	29	101	141	37	19	26	82	120
85	75	30	105	146	39	19	26	84	123
90	78	30	108	150	41	19	27	87	127
95	82	31	113	157	42	19	27	88	128
100	85	32	117	162	44	19	27	90	131
105	88	32	120	166	46	19	28	93	135
110	91	33	124	172	47	19	28	94	136
115	95	33	128	177	49	19	28	96	139
120	98	34	132	182	51	19	28	98	141
125	101	34	135	186	52	19	29	100	144
130	105	35	140	193	54	19	29	102	147
135	108	36	144	198	56	19	29	104	149

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
Ft									
60	48	21	69	97	25	16	20	61	90
65	51	22	73	102	26	16	20	62	92
70	53	22	75	105	28	16	20	64	94
75	56	23	79	110	29	16	21	66	97
80	58	23	81	113	30	16	21	67	98
85	61	24	85	118	32	16	21	69	101
90	64	24	88	122	33	16	22	71	104
95	66	25	91	126	34	16	22	72	105
100	69	25	94	130	36	16	22	74	108
105	72	26	98	136	37	16	22	75	109
110	74	26	100	138	39	16	23	78	113
115	77	27	104	144	40	16	23	79	114
120	80	27	107	147	41	16	23	80	116
125	82	28	110	152	43	16	23	82	118
130	85	28	113	155	44	16	24	84	121
135	88	29	117	161	45	16	24	85	122

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
Ft									
60	42	17	59	82	22	16	18	56	83
65	44	18	62	87	23	16	18	57	84
70	46	19	65	91	24	16	19	59	87
75	49	19	68	95	25	16	19	60	89
80	51	19	70	97	26	16	19	61	90
85	53	20	73	101	28	16	19	63	92
90	55	20	75	104	29	16	19	64	94
95	57	21	78	108	30	16	20	66	97
100	60	21	81	112	31	16	20	67	98
105	62	22	84	116	32	16	20	68	99
110	64	22	86	119	33	16	20	69	100
115	66	22	88	121	34	16	21	71	103
120	68	23	91	125	35	16	21	72	105
125	71	23	94	129	37	16	21	74	107
130	73	24	97	133	38	16	21	75	108
135	75	24	99	136	39	16	21	76	110

- 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-62-38, AIG-62-38-15, AIG-62-38-30, and AIG-62-38-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

**HL93 LOADING**

<span style="font-weight: bold; font-size: small;">Texas Department of Transportation</span>				Bridge Division Standard	
<h2 style="margin: 0;">ABUTMENT FOUNDATION LOADS</h2> <h3 style="margin: 0;">PRESTR CONCRETE I-GIRDERS</h3> <h3 style="margin: 0;">TYPE Tx62</h3> <h3 style="margin: 0;">38' ROADWAY</h3> <h2 style="margin: 0;">IG-AFL6238-24</h2>					
FILE: IG-AFL6238-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CR: TxDOT	
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REVISIONS					
DIST	COUNTY			SHEET NO.	

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