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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)
Ft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
60	62	27	89	125	32	19	25	76	112
65	66	28	94	132	34	19	25	78	115
70	69	29	98	137	36	19	26	81	119
75	73	30	103	144	38	19	26	83	122
80	76	30	106	148	39	19	27	85	125
85	80	31	111	154	41	19	27	87	127
90	83	32	115	160	43	19	27	89	130
95	86	32	118	164	45	19	28	92	134
100	90	33	123	170	47	19	28	94	136
105	93	34	127	176	48	19	28	95	138
110	97	34	131	181	50	19	29	98	142
115	100	35	135	186	52	19	29	100	144
120	104	35	139	191	54	19	29	102	147
125	107	36	143	197	56	19	30	105	151
130	111	37	148	204	57	19	30	106	152
135	114	37	151	207	59	19	30	108	155

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)
Ft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
60	47	20	67	94	24	13	18	55	81
65	50	21	71	99	26	13	18	57	84
70	52	22	74	104	27	13	19	59	87
75	55	22	77	107	29	13	19	61	89
80	57	23	80	112	30	13	19	62	90
85	60	23	83	115	31	13	20	64	93
90	63	24	87	121	33	13	20	66	96
95	65	24	89	123	34	13	20	67	97
100	68	25	93	129	35	13	20	68	98
105	71	25	96	133	37	13	21	71	103
110	73	26	99	137	38	13	21	72	104
115	76	26	102	141	39	13	21	73	105
120	78	27	105	145	41	13	21	75	108
125	81	27	108	149	42	13	22	77	111
130	84	28	112	154	43	13	22	78	112
135	86	28	114	157	45	13	22	80	114

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)
Ft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
60	48	20	68	95	25	14	19	58	86
65	51	21	72	101	26	14	19	59	87
70	53	22	75	105	28	14	19	61	89
75	56	22	78	109	29	14	20	63	92
80	58	23	81	113	30	14	20	64	94
85	61	23	84	117	32	14	20	66	96
90	64	24	88	122	33	14	20	67	97
95	66	24	90	125	34	14	21	69	100
100	69	25	94	130	36	14	21	71	103
105	71	25	96	133	37	14	21	72	104
110	74	26	100	138	38	14	21	73	105
115	77	26	103	142	40	14	22	76	110
120	79	27	106	146	41	14	22	77	111
125	82	27	109	150	42	14	22	78	112
130	85	28	113	155	44	14	22	80	115
135	87	28	115	158	45	14	22	81	116

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)
Ft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
60	50	20	70	98	26	18	21	65	96
65	53	21	74	103	27	18	21	66	98
70	55	22	77	107	29	18	21	68	100
75	58	22	80	111	30	18	22	70	103
80	61	23	84	117	31	18	22	71	104
85	63	23	86	119	33	18	22	73	107
90	66	24	90	125	34	18	23	75	110
95	68	24	92	127	35	18	23	76	111
100	71	25	96	133	37	18	23	78	114
105	74	25	99	136	38	18	23	79	115
110	76	26	102	141	39	18	24	81	118
115	79	26	105	144	41	18	24	83	120
120	81	27	108	149	42	18	24	84	122
125	84	27	111	152	44	18	24	86	124
130	87	28	115	158	45	18	24	87	125
135	89	28	117	160	46	18	25	89	128

- 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-62-28, AIG-62-28-15, AIG-62-28-30, and AIG-62-28-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

**HL93 LOADING**

				Bridge Division Standard	
<b>ABUTMENT FOUNDATION LOADS</b> <b>PRESTR CONCRETE I-GIRDERS</b> <b>TYPE Tx62</b> <b>28' ROADWAY</b> <b>IG-AFL6228-24</b>					
FILE: IG-AFL6228-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT	
©TxDOT	May 2024	CONT	SECT	JOB	HIGHWAY
REVISIONS		DIST		COUNTY	SHEET NO.

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