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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
60	48	20	68	95	25	14	19	58	86
65	51	21	72	101	26	14	19	59	87
70	54	22	76	106	28	14	19	61	89
75	56	22	78	109	29	14	20	63	92
80	59	23	82	114	31	14	20	65	95
85	62	23	85	118	32	14	20	66	96
90	64	24	88	122	33	14	20	67	97
95	67	24	91	126	35	14	21	70	102
100	70	25	95	131	36	14	21	71	103
105	72	25	97	134	38	14	21	73	105
110	75	26	101	139	39	14	21	74	107
115	78	26	104	143	40	14	22	76	110
120	80	27	107	147	42	14	22	78	112
125	83	27	110	151	43	14	22	79	113
130	86	28	114	157	44	14	22	80	115
135	89	28	117	160	46	14	22	82	117

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
60	49	20	69	96	25	14	19	58	86
65	51	21	72	101	27	14	19	60	88
70	54	22	76	106	28	14	19	61	89
75	57	22	79	110	29	14	20	63	92
80	59	23	82	114	31	14	20	65	95
85	62	23	85	118	32	14	20	66	96
90	65	24	89	123	34	14	21	69	100
95	67	24	91	126	35	14	21	70	102
100	70	25	95	131	36	14	21	71	103
105	73	25	98	135	38	14	21	73	105
110	75	26	101	139	39	14	22	75	108
115	78	26	104	143	40	14	22	76	110
120	81	27	108	149	42	14	22	78	112
125	84	27	111	152	43	14	22	79	113
130	86	28	114	157	45	14	22	81	116
135	89	28	117	160	46	14	23	83	119

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
60	50	20	70	98	26	16	20	62	92
65	52	21	73	102	27	16	20	63	93
70	55	22	77	107	29	16	20	65	95
75	58	22	80	111	30	16	20	66	97
80	60	23	83	115	31	16	21	68	100
85	63	23	86	119	33	16	21	70	102
90	66	24	90	125	34	16	21	71	103
95	68	24	92	127	35	16	22	73	106
100	71	25	96	133	37	16	22	75	109
105	74	25	99	136	38	16	22	76	110
110	76	26	102	141	40	16	22	78	113
115	79	26	105	144	41	16	23	80	116
120	82	27	109	150	42	16	23	81	117
125	85	27	112	154	44	16	23	83	119
130	87	28	115	158	45	16	23	84	121
135	90	28	118	162	47	16	23	86	123

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
60	42	16	58	81	22	15	17	54	80
65	44	17	61	85	23	15	17	55	81
70	46	17	63	87	24	15	18	57	84
75	48	18	66	92	25	15	18	58	85
80	50	18	68	94	26	15	18	59	87
85	52	19	71	98	27	15	18	60	88
90	54	19	73	101	28	15	18	61	89
95	57	20	77	106	29	15	19	63	92
100	59	20	79	109	31	15	19	65	95
105	61	20	81	111	32	15	19	66	96
110	63	21	84	116	33	15	19	67	97
115	65	21	86	118	34	15	19	68	98
120	67	21	88	121	35	15	20	70	101
125	70	22	92	126	36	15	20	71	103
130	72	22	94	129	37	15	20	72	104
135	74	23	97	133	38	15	20	73	105

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

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

				Bridge Division Standard	
ABUTMENT FOUNDATION LOADS PRESTR CONCRETE I-GIRDERS TYPE Tx62 30' ROADWAY IG-AFL6230-24					
FILE: IG-AFL6230-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT	
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REVISIONS					
	DIST	COUNTY		SHEET NO.	