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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	50	20	70	98	26	15	19	60	88
65	53	21	74	103	27	15	19	61	90
70	55	22	77	107	29	15	20	64	94
75	58	22	80	111	30	15	20	65	95
80	61	23	84	117	32	15	20	67	98
85	64	23	87	120	33	15	21	69	101
90	66	24	90	125	34	15	21	70	102
95	69	24	93	128	36	15	21	72	104
100	72	25	97	134	37	15	21	73	106
105	75	25	100	138	39	15	22	76	110
110	77	26	103	142	40	15	22	77	111
115	80	26	106	146	42	15	22	79	114
120	83	27	110	151	43	15	22	80	115
125	86	27	113	155	44	15	23	82	118
130	88	28	116	159	46	15	23	84	120

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	50	20	70	98	26	16	20	62	92
65	53	21	74	103	28	16	20	64	94
70	56	22	78	109	29	16	20	65	95
75	58	22	80	111	30	16	20	66	97
80	61	23	84	117	32	16	21	69	101
85	64	23	87	120	33	16	21	70	102
90	67	24	91	126	35	16	21	72	105
95	70	24	94	130	36	16	22	74	108
100	72	25	97	134	37	16	22	75	109
105	75	25	100	138	39	16	22	77	111
110	78	26	104	143	40	16	22	78	113
115	81	26	107	147	42	16	23	81	117
120	83	27	110	151	43	16	23	82	118
125	86	27	113	155	45	16	23	84	121
130	89	28	117	160	46	16	23	85	122

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	51	20	71	99	27	17	20	64	94
65	54	21	75	104	28	17	21	66	97
70	57	22	79	110	29	17	21	67	99
75	60	22	82	114	31	17	21	69	101
80	62	23	85	118	32	17	21	70	102
85	65	23	88	122	34	17	22	73	107
90	68	24	92	127	35	17	22	74	108
95	71	24	95	131	37	17	22	76	110
100	73	25	98	135	38	17	23	78	113
105	76	25	101	139	39	17	23	79	115
110	79	26	105	144	41	17	23	81	117
115	82	26	108	148	42	17	23	82	118
120	84	27	111	152	44	17	23	84	121
125	87	27	114	156	45	17	24	86	124
130	90	28	118	162	47	17	24	88	126

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	43	16	59	82	22	16	18	56	83
65	45	17	62	86	24	16	18	58	86
70	47	17	64	89	25	16	18	59	87
75	50	18	68	94	26	16	18	60	88
80	52	18	70	97	27	16	18	61	89
85	54	19	73	101	28	16	19	63	92
90	56	19	75	103	29	16	19	64	94
95	59	20	79	109	30	16	19	65	95
100	61	20	81	111	32	16	19	67	97
105	63	20	83	114	33	16	19	68	99
110	65	21	86	118	34	16	20	70	102
115	67	21	88	121	35	16	20	71	103
120	70	21	91	124	36	16	20	72	104
125	72	22	94	129	37	16	20	73	105
130	74	22	96	131	38	16	20	74	107

- 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-62-32, AIG-62-32-15, AIG-62-32-30, and AIG-62-32-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

				Bridge Division Standard	
ABUTMENT FOUNDATION LOADS PRESTR CONCRETE I-GIRDERS TYPE Tx62 32' ROADWAY IG-AFL6232-24					
FILE: IG-AFL6232-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT	
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REVISIONS		DIST	COUNTY	SHEET NO.	