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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	21	69	97	25	15	19	59	87
65	50	22	72	101	26	15	20	61	90
70	53	22	75	105	28	15	20	63	93
75	56	23	79	110	29	15	20	64	94
80	59	23	82	114	30	15	20	65	95
85	61	24	85	118	32	15	21	68	99
90	64	24	88	122	33	15	21	69	101
95	67	25	92	128	35	15	21	71	103
100	69	25	94	130	36	15	22	73	106
105	72	26	98	136	37	15	22	74	107
110	75	26	101	139	39	15	22	76	110
115	77	27	104	144	40	15	22	77	111
120	80	27	107	147	42	15	23	80	115
125	83	28	111	153	43	15	23	81	117
130	86	28	114	157	44	15	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
60	48	21	69	97	25	15	20	60	89
65	51	22	73	102	26	15	20	61	90
70	54	22	76	106	28	15	20	63	93
75	56	23	79	110	29	15	20	64	94
80	59	23	82	114	31	15	21	67	98
85	62	24	86	120	32	15	21	68	99
90	64	24	88	122	33	15	21	69	101
95	67	25	92	128	35	15	22	72	105
100	70	25	95	131	36	15	22	73	106
105	72	26	98	136	38	15	22	75	109
110	75	26	101	139	39	15	22	76	110
115	78	27	105	145	40	15	23	78	113
120	81	27	108	149	42	15	23	80	115
125	83	28	111	153	43	15	23	81	117
130	86	28	114	157	44	15	23	82	118

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	49	21	70	98	26	17	20	63	93
65	52	22	74	104	27	17	21	65	96
70	55	22	77	107	28	17	21	66	97
75	57	23	80	112	30	17	21	68	100
80	60	23	83	115	31	17	21	69	101
85	63	24	87	121	33	17	22	72	105
90	65	24	89	123	34	17	22	73	107
95	68	25	93	129	35	17	22	74	108
100	71	25	96	133	37	17	23	77	112
105	74	26	100	138	38	17	23	78	113
110	76	26	102	141	40	17	23	80	116
115	79	27	106	146	41	17	23	81	117
120	82	27	109	150	42	17	24	83	120
125	84	28	112	154	44	17	24	85	123
130	87	28	115	158	45	17	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
60	43	17	60	84	22	17	19	58	86
65	45	18	63	88	24	17	19	60	89
70	48	19	67	93	25	17	19	61	90
75	50	19	69	96	26	17	19	62	91
80	52	19	71	98	27	17	20	64	94
85	54	20	74	103	28	17	20	65	96
90	57	20	77	106	29	17	20	66	97
95	59	21	80	111	31	17	20	68	99
100	61	21	82	113	32	17	20	69	101
105	63	22	85	117	33	17	21	71	104
110	66	22	88	121	34	17	21	72	105
115	68	22	90	124	35	17	21	73	106
120	70	23	93	128	36	17	21	74	107
125	72	23	95	130	38	17	21	76	110
130	75	24	99	136	39	17	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-62-40, AIG-62-40-15, AIG-62-40-30, and AIG-62-40-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

Texas Department of Transportation				Bridge Division Standard	
<p>ABUTMENT FOUNDATION LOADS PRESTR CONCRETE I-GIRDERS TYPE Tx62 40' ROADWAY IG-AFL6240-24</p>					
FILE: IG-AFL6240-24.dgn		DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS					
		DIST	COUNTY		SHEET NO.