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DATE:  
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**TABLE OF FOUNDATION LOADS - 0° SKEW**

Span Average	Drilled Shaft Loads				Pile Load							
					4 Pile Ftg				5 Pile Ftg			
	DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)	DC	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	Tons/Pile	Tons/Pile	Tons/Pile
60	124	34	158	215	35	9	44	60	28	7	35	47
65	131	35	166	225	36	9	45	61	30	7	37	50
70	138	37	175	237	38	10	48	65	31	8	39	53
75	146	38	184	249	40	10	50	68	33	8	41	55
80	153	39	192	260	42	10	52	70	34	8	42	57
85	160	40	200	270	44	10	54	73	36	8	44	59
90	167	42	209	282	45	11	56	76	37	9	46	62
95	174	43	217	293	47	11	58	78	38	9	47	63
100	181	44	225	303	49	11	60	81	40	9	49	66
105	189	45	234	315	51	12	63	85	41	9	50	67
110	196	46	242	326	52	12	64	86	43	10	53	71
115	203	47	250	336	54	12	66	89	44	10	54	73
120	210	49	259	348	56	13	69	93	46	10	56	75
125	217	50	267	359	58	13	71	95	47	10	57	76
130	224	51	275	369	60	13	73	98	49	11	60	81
135	232	52	284	381	61	13	74	99	50	11	61	82

**TABLE OF FOUNDATION LOADS - 30° SKEW**

Span Average	Drilled Shaft Loads				Pile Load							
					4 Pile Ftg				5 Pile Ftg			
	DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)	DC	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	Tons/Pile	Tons/Pile	Tons/Pile
60	126	34	160	217	35	9	44	60	29	7	36	49
65	134	35	169	229	37	9	46	62	30	7	37	50
70	141	37	178	241	39	10	49	66	32	8	40	54
75	148	38	186	252	41	10	51	69	33	8	41	55
80	155	39	194	262	42	10	52	70	35	8	43	58
85	162	40	202	273	44	10	54	73	36	8	44	59
90	169	42	211	285	46	11	57	77	38	9	47	63
95	177	43	220	297	48	11	59	79	39	9	48	65
100	184	44	228	307	49	11	60	81	40	9	49	66
105	191	45	236	318	51	12	63	85	42	9	51	68
110	198	46	244	328	53	12	65	87	43	10	53	71
115	205	47	252	339	55	12	67	90	45	10	55	74
120	212	49	261	351	57	13	70	94	46	10	56	75
125	220	50	270	363	58	13	71	95	48	10	58	78
130	227	51	278	373	60	13	73	98	49	11	60	81
135	234	52	286	384	62	13	75	100	50	11	61	82

- (1) 1.00DC + 1.00LL (all other loads not included)
- (2) 1.25DC + 1.75LL (all other loads not included)

**TABLE OF FOUNDATION LOADS - 15° SKEW**

Span Average	Drilled Shaft Loads				Pile Load							
					4 Pile Ftg				5 Pile Ftg			
	DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)	DC	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	Tons/Pile	Tons/Pile	Tons/Pile
60	125	34	159	216	35	9	44	60	29	7	36	49
65	132	35	167	226	37	9	46	62	30	7	37	50
70	139	37	176	239	38	10	48	65	31	8	39	53
75	146	38	184	249	40	10	50	68	33	8	41	55
80	153	39	192	260	42	10	52	70	34	8	42	57
85	160	40	200	270	44	10	54	73	36	8	44	59
90	168	42	210	284	45	11	56	76	37	9	46	62
95	175	43	218	294	47	11	58	78	39	9	48	65
100	182	44	226	305	49	11	60	81	40	9	49	66
105	189	45	234	315	51	12	63	85	41	9	50	67
110	196	46	242	326	53	12	65	87	43	10	53	71
115	203	47	250	336	54	12	66	89	44	10	54	73
120	211	49	260	350	56	13	69	93	46	10	56	75
125	218	50	268	360	58	13	71	95	47	10	57	76
130	225	51	276	371	60	13	73	98	49	11	60	81
135	232	52	284	381	62	13	75	100	50	11	61	82

**TABLE OF FOUNDATION LOADS - 45° SKEW**

Span Average	Drilled Shaft Loads				Pile Load							
					4 Pile Ftg				5 Pile Ftg			
	DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)	DC	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	Tons/Pile	Tons/Pile	Tons/Pile
60	130	34	164	222	36	9	45	61	30	7	37	50
65	137	35	172	233	38	9	47	63	31	7	38	51
70	144	37	181	245	40	10	50	68	33	8	41	55
75	152	38	190	257	41	10	51	69	34	8	42	57
80	159	39	198	267	43	10	53	71	35	8	43	58
85	166	40	206	278	45	10	55	74	37	8	45	60
90	173	42	215	290	47	11	58	78	38	9	47	63
95	180	43	223	300	49	11	60	81	40	9	49	66
100	187	44	231	311	50	11	61	82	41	9	50	67
105	195	45	240	323	52	12	64	86	43	9	52	70
110	202	46	248	333	54	12	66	89	44	10	54	73
115	209	47	256	344	56	12	68	91	45	10	55	74
120	216	49	265	356	58	13	71	95	47	10	57	76
125	223	50	273	366	59	13	72	97	48	10	58	78
130	230	51	281	377	61	13	74	99	50	11	61	82
135	238	52	290	389	63	13	76	102	51	11	62	83

**GENERAL NOTES:**  
Designed according to AASHTO LRFD Bridge Design Specifications.  
Foundation loads based on "H" = 36 ft.

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 bents shown on the standards BIG-62-30, BIG-62-30-15, BIG-62-30-30, and BIG-62-30-45

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

**HL93 LOADING**



**BENT FOUNDATION LOADS  
PRESTR CONCRETE I-GIRDERS  
TYPE Tx62  
30' ROADWAY  
IG-BFL6230-24**

FILE: IG-BFL6230-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT	CONTRACT	SECTION	JOB	HIGHWAY
REVISIONS	COUNTY		SHEET NO.	