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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	131	33	164	222	36	9	45	61	30	7	37	50
65	139	34	173	233	38	9	47	63	31	7	38	51
70	147	35	182	245	40	9	49	66	33	7	40	54
75	154	36	190	256	42	9	51	68	35	8	43	58
80	162	38	200	269	44	10	54	73	36	8	44	59
85	170	39	209	281	46	10	56	75	38	8	46	62
90	177	40	217	291	48	10	58	78	39	8	47	63
95	185	41	226	303	50	11	61	82	41	9	50	67
100	193	42	235	315	52	11	63	84	42	9	51	68
105	200	43	243	325	54	11	65	87	44	9	53	71
110	208	44	252	337	56	11	67	89	45	9	54	72
115	216	45	261	349	57	12	69	92	47	9	56	75
120	223	46	269	359	59	12	71	95	48	10	58	78
125	231	48	279	373	61	12	73	97	50	10	60	80
130	239	49	288	385	63	13	76	102	51	10	61	81
135	246	50	296	395	65	13	78	104	53	10	63	84

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	134	33	167	225	37	9	46	62	30	7	37	50
65	141	34	175	236	39	9	48	65	32	7	39	52
70	149	35	184	248	41	9	50	67	33	7	40	54
75	157	36	193	259	43	9	52	70	35	8	43	58
80	164	38	202	272	45	10	55	74	37	8	45	60
85	172	39	211	283	47	10	57	76	38	8	46	62
90	180	40	220	295	48	10	58	78	40	8	48	64
95	187	41	228	306	50	11	61	82	41	9	50	67
100	195	42	237	317	52	11	63	84	43	9	52	70
105	203	43	246	329	54	11	65	87	44	9	53	71
110	210	44	254	340	56	11	67	89	46	9	55	73
115	218	45	263	351	58	12	70	94	47	9	56	75
120	226	46	272	363	60	12	72	96	49	10	59	79
125	233	48	281	375	62	12	74	99	50	10	60	80
130	241	49	290	387	64	13	77	103	52	10	62	83
135	249	50	299	399	66	13	79	105	53	10	63	84

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

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-62-44, BIG-62-44-15, BIG-62-44-30, and BIG-62-44-45

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

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	132	33	165	223	37	9	46	62	30	7	37	50
65	140	34	174	235	38	9	47	63	32	7	39	52
70	147	35	182	245	40	9	49	66	33	7	40	54
75	155	36	191	257	42	9	51	68	35	8	43	58
80	163	38	201	270	44	10	54	73	36	8	44	59
85	170	39	209	281	46	10	56	75	38	8	46	62
90	178	40	218	293	48	10	58	78	39	8	47	63
95	186	41	227	304	50	11	61	82	41	9	50	67
100	193	42	235	315	52	11	63	84	42	9	51	68
105	201	43	244	327	54	11	65	87	44	9	53	71
110	209	44	253	338	56	11	67	89	45	9	54	72
115	216	45	261	349	58	12	70	94	47	9	56	75
120	224	46	270	361	60	12	72	96	48	10	58	78
125	232	48	280	374	61	12	73	97	50	10	60	80
130	239	49	288	385	63	13	76	102	51	10	61	81
135	247	50	297	396	65	13	78	104	53	10	63	84

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	137	33	170	229	38	9	47	63	31	7	38	51
65	145	34	179	241	40	9	49	66	33	7	40	54
70	153	35	188	253	42	9	51	68	34	7	41	55
75	160	36	196	263	44	9	53	71	36	8	44	59
80	168	38	206	277	46	10	56	75	37	8	45	60
85	176	39	215	288	47	10	57	76	39	8	47	63
90	183	40	223	299	49	10	59	79	40	8	48	64
95	191	41	232	311	51	11	62	83	42	9	51	68
100	199	42	241	322	53	11	64	86	43	9	52	70
105	206	43	249	333	55	11	66	88	45	9	54	72
110	214	44	258	345	57	11	68	91	46	9	55	73
115	222	45	267	356	59	12	71	95	48	9	57	76
120	229	46	275	367	61	12	73	97	50	10	60	80
125	237	48	285	380	63	12	75	100	51	10	61	81
130	245	49	294	392	65	13	78	104	53	10	63	84
135	252	50	302	403	67	13	80	107	54	10	64	85

HL93 LOADING



**BENT FOUNDATION LOADS
 PRESTR CONCRETE I-GIRDERS
 TYPE Tx62
 44' ROADWAY
 IG-BFL6244-24**

FILE: IG-BFL6244-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS				HIGHWAY
	DIST		COUNTY	SHEET NO.

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