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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	143	34	177	238	39	9	48	65	32	7	39	52
65	151	35	186	250	41	9	50	67	34	7	41	55
70	159	37	196	264	43	10	53	71	36	8	44	59
75	168	38	206	277	45	10	55	74	37	8	45	60
80	176	39	215	288	48	10	58	78	39	8	47	63
85	185	40	225	301	50	10	60	80	41	8	49	65
90	193	42	235	315	52	11	63	84	42	9	51	68
95	202	43	245	328	54	11	65	87	44	9	53	71
100	210	44	254	340	56	11	67	89	46	9	55	73
105	218	45	263	351	58	12	70	94	47	9	56	75
110	227	46	273	364	60	12	72	96	49	10	59	79
115	235	47	282	376	62	12	74	99	51	10	61	81
120	244	49	293	391	64	13	77	103	52	10	62	83
125	252	50	302	403	67	13	80	107	54	10	64	85
130	261	51	312	416	69	13	82	109	56	11	67	89
135	269	52	321	427	71	13	84	112	57	11	68	91

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	142	34	176	237	39	9	48	65	32	7	39	52
65	150	35	185	249	41	9	50	67	34	7	41	55
70	158	37	195	262	43	10	53	71	35	8	43	58
75	167	38	205	275	45	10	55	74	37	8	45	60
80	175	39	214	287	47	10	57	76	39	8	47	63
85	184	40	224	300	49	10	59	79	40	8	48	64
90	192	42	234	314	52	11	63	84	42	9	51	68
95	201	43	244	327	54	11	65	87	44	9	53	71
100	209	44	253	338	56	11	67	89	45	9	54	72
105	217	45	262	350	58	12	70	94	47	9	56	75
110	226	46	272	363	60	12	72	96	49	10	59	79
115	234	47	281	375	62	12	74	99	51	10	61	81
120	243	49	292	390	64	13	77	103	52	10	62	83
125	251	50	301	401	66	13	79	105	54	10	64	85
130	260	51	311	414	68	13	81	108	56	11	67	89
135	268	52	320	426	71	13	84	112	57	11	68	91

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	144	34	178	240	39	9	48	65	32	7	39	52
65	152	35	187	251	42	9	51	68	34	7	41	55
70	160	37	197	265	44	10	54	73	36	8	44	59
75	169	38	207	278	46	10	56	75	37	8	45	60
80	177	39	216	290	48	10	58	78	39	8	47	63
85	186	40	226	303	50	10	60	80	41	8	49	65
90	194	42	236	316	52	11	63	84	42	9	51	68
95	203	43	246	329	54	11	65	87	44	9	53	71
100	211	44	255	341	56	11	67	89	46	9	55	73
105	219	45	264	353	58	12	70	94	48	9	57	76
110	228	46	274	366	61	12	73	97	49	10	59	79
115	236	47	283	377	63	12	75	100	51	10	61	81
120	245	49	294	392	65	13	78	104	53	10	63	84
125	253	50	303	404	67	13	80	107	54	10	64	85
130	262	51	313	417	69	13	82	109	56	11	67	89
135	270	52	322	429	71	13	84	112	58	11	69	92

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	117	26	143	192	33	7	40	54	27	6	33	44
65	124	27	151	202	34	7	41	55	28	6	34	46
70	130	28	158	212	36	7	43	57	30	6	36	48
75	136	29	165	221	38	8	46	62	31	6	37	49
80	143	30	173	231	39	8	47	63	32	6	38	51
85	149	30	179	239	41	8	49	65	33	6	39	52
90	155	31	186	248	42	8	50	67	35	7	42	56
95	162	32	194	259	44	8	52	69	36	7	43	57
100	168	33	201	268	46	9	55	73	37	7	44	59
105	174	34	208	277	47	9	56	75	38	7	45	60
110	181	35	216	288	49	9	58	77	40	7	47	62
115	187	36	223	297	50	9	59	78	41	8	49	65
120	193	37	230	306	52	10	62	83	42	8	50	67
125	200	37	237	315	53	10	63	84	44	8	52	69
130	206	38	244	324	55	10	65	86	45	8	53	70
135	212	39	251	333	57	10	67	89	46	8	54	72

- 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-62-34, BIG-62-34-15, BIG-62-34-30, and BIG-62-34-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

Bridge Division Standard

BENT FOUNDATION LOADS

PRESTR CONCRETE I-GIRDERS TYPE Tx62 34' ROADWAY IG-BFL6234-24

FILE: IG-BFL6234-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS	DST		COUNTY	SHEET NO.