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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	147	43	190	259	40	11	51	69	33	9	42	57
65	156	45	201	274	42	12	54	74	35	9	44	60
70	164	47	211	287	45	12	57	77	37	10	47	64
75	173	48	221	300	47	12	59	80	38	10	48	65
80	182	50	232	315	49	13	62	84	40	10	50	68
85	191	51	242	328	51	13	64	87	42	11	53	72
90	200	53	253	343	53	14	67	91	44	11	55	74
95	208	54	262	355	56	14	70	95	45	11	56	76
100	217	56	273	369	58	14	72	97	47	12	59	80
105	226	57	283	382	60	15	75	101	49	12	61	82
110	235	59	294	397	62	15	77	104	51	12	63	85
115	244	60	304	410	64	15	79	106	52	12	64	86
120	252	62	314	424	67	16	83	112	54	13	67	90
125	261	63	324	437	69	16	85	114	56	13	69	93
130	270	65	335	451	71	17	88	119	58	13	71	95
135	279	66	345	464	73	17	90	121	59	14	73	98

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	147	43	190	259	40	11	51	69	33	9	42	57
65	156	45	201	274	42	12	54	74	35	9	44	60
70	165	47	212	289	45	12	57	77	37	10	47	64
75	174	48	222	302	47	12	59	80	38	10	48	65
80	183	50	233	316	49	13	62	84	40	10	50	68
85	191	51	242	328	51	13	64	87	42	11	53	72
90	200	53	253	343	54	14	68	92	44	11	55	74
95	209	54	263	356	56	14	70	95	45	11	56	76
100	218	56	274	371	58	14	72	97	47	12	59	80
105	227	57	284	384	60	15	75	101	49	12	61	82
110	235	59	294	397	62	15	77	104	51	12	63	85
115	244	60	304	410	65	15	80	108	52	12	64	86
120	253	62	315	425	67	16	83	112	54	13	67	90
125	262	63	325	438	69	16	85	114	56	13	69	93
130	270	65	335	451	71	17	88	119	58	13	71	95
135	279	66	345	464	73	17	90	121	60	14	74	100

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	150	43	193	263	41	11	52	71	34	9	43	58
65	159	45	204	278	43	12	55	75	35	9	44	60
70	167	47	214	291	45	12	57	77	37	10	47	64
75	176	48	224	304	48	12	60	81	39	10	49	66
80	185	50	235	319	50	13	63	85	41	10	51	69
85	194	51	245	332	52	13	65	88	42	11	53	72
90	203	53	256	347	54	14	68	92	44	11	55	74
95	211	54	265	358	56	14	70	95	46	11	57	77
100	220	56	276	373	59	14	73	98	48	12	60	81
105	229	57	286	386	61	15	76	103	49	12	61	82
110	238	59	297	401	63	15	78	105	51	12	63	85
115	247	60	307	414	65	15	80	108	53	12	65	87
120	255	62	317	427	67	16	83	112	55	13	68	92
125	264	63	327	440	70	16	86	116	56	13	69	93
130	273	65	338	455	72	17	89	120	58	13	71	95
135	282	66	348	468	74	17	91	122	60	14	74	100

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	122	33	155	210	34	9	43	58	28	7	35	47
65	129	34	163	221	35	9	44	60	29	7	36	49
70	135	35	170	230	37	9	46	62	30	7	37	50
75	142	36	178	241	39	9	48	65	32	8	40	54
80	148	38	186	252	40	10	50	68	33	8	41	55
85	155	39	194	262	42	10	52	70	34	8	42	57
90	162	40	202	273	43	10	53	71	35	8	43	58
95	168	41	209	282	45	11	56	76	37	9	46	62
100	175	42	217	292	47	11	58	78	38	9	47	63
105	181	43	224	302	48	11	59	79	39	9	48	65
110	188	44	232	312	50	11	61	82	41	9	50	67
115	195	45	240	323	52	12	64	86	42	9	51	68
120	201	46	247	332	53	12	65	87	43	10	53	71
125	208	48	256	344	55	12	67	90	45	10	55	74
130	214	49	263	353	57	13	70	94	46	10	56	75
135	221	50	271	364	58	13	71	95	47	10	57	76

- 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-62-38, BIG-62-38-15, BIG-62-38-30, and BIG-62-38-45

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING



**BENT FOUNDATION LOADS
PRESTR CONCRETE I-GIRDERS
TYPE Tx62
38' ROADWAY
IG-BFL6238-24**

FILE: IG-BFL6238-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS				HIGHWAY
	DIST		COUNTY	SHEET NO.