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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	127	34	161	218	35	9	44	60	29	7	36	49
65	135	35	170	230	37	9	46	62	31	7	38	51
70	142	37	179	242	39	10	49	66	32	8	40	54
75	149	38	187	253	41	10	51	69	34	8	42	57
80	157	39	196	265	43	10	53	71	35	8	43	58
85	164	40	204	275	45	10	55	74	36	8	44	59
90	172	42	214	289	46	11	57	77	38	9	47	63
95	179	43	222	299	48	11	59	79	39	9	48	65
100	186	44	230	310	50	11	61	82	41	9	50	67
105	194	45	239	321	52	12	64	86	42	9	51	68
110	201	46	247	332	54	12	66	89	44	10	54	73
115	208	47	255	342	56	12	68	91	45	10	55	74
120	216	49	265	356	57	13	70	94	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

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	128	34	162	220	36	9	45	61	29	7	36	49
65	135	35	170	230	37	9	46	62	31	7	38	51
70	143	37	180	244	39	10	49	66	32	8	40	54
75	150	38	188	254	41	10	51	69	34	8	42	57
80	157	39	196	265	43	10	53	71	35	8	43	58
85	165	40	205	276	45	10	55	74	37	8	45	60
90	172	42	214	289	47	11	58	78	38	9	47	63
95	179	43	222	299	48	11	59	79	40	9	49	66
100	187	44	231	311	50	11	61	82	41	9	50	67
105	194	45	239	321	52	12	64	86	42	9	51	68
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	224	50	274	368	59	13	72	97	48	10	58	78
130	231	51	282	378	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	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	145	37	182	246	40	10	50	68	33	8	41	55
75	152	38	190	257	42	10	52	70	34	8	42	57
80	159	39	198	267	43	10	53	71	36	8	44	59
85	167	40	207	279	45	10	55	74	37	8	45	60
90	174	42	216	291	47	11	58	78	38	9	47	63
95	181	43	224	302	49	11	60	81	40	9	49	66
100	189	44	233	313	51	11	62	83	41	9	50	67
105	196	45	241	324	53	12	65	87	43	9	52	70
110	204	46	250	336	54	12	66	89	44	10	54	73
115	211	47	258	346	56	12	68	91	46	10	56	75
120	218	49	267	358	58	13	71	95	47	10	57	76
125	226	50	276	370	60	13	73	98	49	10	59	79
130	233	51	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	134	34	168	227	37	9	46	62	30	7	37	50
65	141	35	176	238	39	9	48	65	32	7	39	52
70	148	37	185	250	41	10	51	69	33	8	41	55
75	156	38	194	262	42	10	52	70	35	8	43	58
80	163	39	202	272	44	10	54	73	36	8	44	59
85	170	40	210	283	46	10	56	75	38	8	46	62
90	178	42	220	296	48	11	59	79	39	9	48	65
95	185	43	228	307	50	11	61	82	41	9	50	67
100	192	44	236	317	52	11	63	84	42	9	51	68
105	200	45	245	329	53	12	65	87	44	9	53	71
110	207	46	253	339	55	12	67	90	45	10	55	74
115	215	47	262	351	57	12	69	92	47	10	57	76
120	222	49	271	363	59	13	72	97	48	10	58	78
125	229	50	279	374	61	13	74	99	50	10	60	80
130	237	51	288	386	63	13	76	102	51	11	62	83

- 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-62-32, BIG-62-32-15, BIG-62-32-30, and BIG-62-32-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

Bridge Division Standard

BENT FOUNDATION LOADS

PRESTR CONCRETE I-GIRDERS TYPE Tx62

32' ROADWAY

IG-BFL6232-24

FILE: IG-BFL6232-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS	DST		COUNTY	SHEET NO.