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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	121	34	155	211	34	9	43	58	28	7	35	47
65	128	35	163	221	35	9	44	60	29	7	36	49
70	135	37	172	234	37	10	47	64	31	8	39	53
75	142	38	180	244	39	10	49	66	32	8	40	54
80	149	39	188	255	41	10	51	69	33	8	41	55
85	156	40	196	265	42	10	52	70	35	8	43	58
90	163	42	205	277	44	11	55	74	36	9	45	61
95	170	43	213	288	46	11	57	77	38	9	47	63
100	177	44	221	298	48	11	59	79	39	9	48	65
105	183	45	228	308	49	12	61	82	40	9	49	66
110	190	46	236	318	51	12	63	85	42	10	52	70
115	197	47	244	329	53	12	65	87	43	10	53	71
120	204	49	253	341	55	13	68	92	45	10	55	74
125	211	50	261	351	56	13	69	93	46	10	56	75
130	218	51	269	362	58	13	71	95	47	11	58	78
135	225	52	277	372	60	13	73	98	49	11	60	81

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	121	34	155	211	34	9	43	58	28	7	35	47
65	128	35	163	221	36	9	45	61	29	7	36	49
70	135	37	172	234	37	10	47	64	31	8	39	53
75	142	38	180	244	39	10	49	66	32	8	40	54
80	149	39	188	255	41	10	51	69	34	8	42	57
85	156	40	196	265	43	10	53	71	35	8	43	58
90	163	42	205	277	44	11	55	74	36	9	45	61
95	170	43	213	288	46	11	57	77	38	9	47	63
100	177	44	221	298	48	11	59	79	39	9	48	65
105	184	45	229	309	50	12	62	84	40	9	49	66
110	191	46	237	319	51	12	63	85	42	10	52	70
115	198	47	245	330	53	12	65	87	43	10	53	71
120	205	49	254	342	55	13	68	92	45	10	55	74
125	212	50	262	353	57	13	70	94	46	10	56	75
130	219	51	270	363	58	13	71	95	47	11	58	78
135	226	52	278	374	60	13	73	98	49	11	60	81

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	123	34	157	213	34	9	43	58	28	7	35	47
65	130	35	165	224	36	9	45	61	30	7	37	50
70	137	37	174	236	38	10	48	65	31	8	39	53
75	144	38	182	247	40	10	50	68	32	8	40	54
80	151	39	190	257	41	10	51	69	34	8	42	57
85	158	40	198	268	43	10	53	71	35	8	43	58
90	165	42	207	280	45	11	56	76	37	9	46	62
95	172	43	215	290	46	11	57	77	38	9	47	63
100	179	44	223	301	48	11	59	79	39	9	48	65
105	186	45	231	311	50	12	62	84	41	9	50	67
110	193	46	239	322	52	12	64	86	42	10	52	70
115	200	47	247	332	53	12	65	87	44	10	54	73
120	207	49	256	345	55	13	68	92	45	10	55	74
125	214	50	264	355	57	13	70	94	46	10	56	75
130	220	51	271	364	59	13	72	97	48	11	59	79
135	227	52	279	375	60	13	73	98	49	11	60	81

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	126	34	160	217	35	9	44	60	29	7	36	49
65	133	35	168	228	37	9	46	62	30	7	37	50
70	140	37	177	240	39	10	49	66	32	8	40	54
75	147	38	185	250	40	10	50	68	33	8	41	55
80	154	39	193	261	42	10	52	70	35	8	43	58
85	161	40	201	271	44	10	54	73	36	8	44	59
90	168	42	210	284	46	11	57	77	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	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	48	11	59	79
135	231	52	283	380	61	13	74	99	50	11	61	82

- 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-62-28, BIG-62-28-15, BIG-62-28-30, and BIG-62-28-45.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

**HL93 LOADING**



**BENT FOUNDATION LOADS**  
**PRESTR CONCRETE I-GIRDERS**  
**TYPE Tx62**  
**28' ROADWAY**  
**IG-BFL6228-24**

FILE: IG-BFL6228-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT	CONTRACT	SECTION	JOB	HIGHWAY
REVISIONS	COUNTY		SHEET NO.	

DATE:  
FILE: