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TABLE OF FOUNDATION LOADS - 0° SKEW

Span Average	Drilled Shaft Loads				Pile Load											
					3 Pile Ftg				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)	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	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	111	36	147	202	41	12	53	72	31	9	40	55	26	8	34	47
45	121	38	159	218	44	13	57	78	34	10	44	60	28	8	36	49
50	131	40	171	234	47	14	61	83	36	10	46	63	30	8	38	52
55	141	42	183	250	51	14	65	88	39	11	50	68	32	9	41	56
60	151	43	194	264	54	15	69	94	41	11	52	71	34	9	43	58
65	161	45	206	280	57	15	72	98	44	12	56	76	36	9	45	61
70	171	47	218	296	61	16	77	104	46	12	58	79	38	10	48	65
75	181	48	229	310	64	16	80	108	49	12	61	82	40	10	50	68
80	191	50	241	326	67	17	84	114	51	13	64	87	42	10	52	70
85	201	51	252	341	71	17	88	119	54	13	67	90	44	11	55	74
90	211	53	264	357	74	18	92	124	56	14	70	95	46	11	57	77
95	221	54	275	371	77	18	95	128	59	14	73	98	48	11	59	79
100	231	56	287	387	81	19	100	135	61	14	75	101	50	12	62	84
105	241	57	298	401	84	19	103	138	64	15	79	106	52	12	64	86

TABLE OF FOUNDATION LOADS - 15° SKEW

Span Average	Drilled Shaft Loads				Pile Load											
					3 Pile Ftg				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)	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	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	111	36	147	202	41	12	53	72	31	9	40	55	26	8	34	47
45	121	38	159	218	44	13	57	78	34	10	44	60	28	8	36	49
50	131	40	171	234	47	14	61	83	36	10	46	63	30	8	38	52
55	141	42	183	250	51	14	65	88	39	11	50	68	32	9	41	56
60	151	43	194	264	54	15	69	94	41	11	52	71	34	9	43	58
65	161	45	206	280	57	15	72	98	44	12	56	76	36	9	45	61
70	171	47	218	296	61	16	77	104	46	12	58	79	38	10	48	65
75	181	48	229	310	64	16	80	108	49	12	61	82	40	10	50	68
80	191	50	241	326	67	17	84	114	51	13	64	87	42	10	52	70
85	201	51	252	341	71	17	88	119	54	13	67	90	44	11	55	74
90	211	53	264	357	74	18	92	124	56	14	70	95	46	11	57	77
95	221	54	275	371	77	18	95	128	59	14	73	98	48	11	59	79
100	231	56	287	387	81	19	100	135	61	14	75	101	50	12	62	84
105	241	57	298	401	84	19	103	138	64	15	79	106	52	12	64	86

- (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 prestressed X-beam bents shown on the standards BXB-38, BXB-38-15, and BXB-38-30.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

TABLE OF FOUNDATION LOADS - 30° SKEW

Span Average	Drilled Shaft Loads				Pile Load											
					3 Pile Ftg				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)	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	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
40	113	36	149	204	41	12	53	72	32	9	41	56	26	8	34	47
45	123	38	161	220	44	13	57	78	34	10	44	60	28	8	36	49
50	133	40	173	236	48	14	62	85	37	10	47	64	30	8	38	52
55	143	42	185	252	51	14	65	88	39	11	50	68	32	9	41	56
60	153	43	196	267	54	15	69	94	42	11	53	72	34	9	43	58
65	163	45	208	283	58	15	73	99	44	12	56	76	36	9	45	61
70	173	47	220	299	61	16	77	104	47	12	59	80	38	10	48	65
75	183	48	231	313	64	16	80	108	49	12	61	82	40	10	50	68
80	193	50	243	329	68	17	85	115	52	13	65	88	42	10	52	70
85	203	51	254	343	71	17	88	119	54	13	67	90	44	11	55	74
90	213	53	266	359	74	18	92	124	57	14	71	96	46	11	57	77
95	223	54	277	373	78	18	96	129	59	14	73	98	48	11	59	79
100	233	56	289	389	81	19	100	135	62	14	76	102	50	12	62	84
105	243	57	300	404	84	19	103	138	64	15	79	106	52	12	64	86

HL93 LOADING

				Bridge Division Standard	
<p>BENT FOUNDATION LOADS PRESTRESSED CONCRETE X-BEAMS 38' ROADWAY</p> <p>XB-BFL38-24</p>					
FILE: XB-BFL38-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT	
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