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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	Tons/Pile
40	96	28	124	169	36	10	46	63	28	7	35	47	23	6	29	39	
45	104	30	134	183	38	10	48	65	30	8	38	52	25	6	31	42	
50	113	31	144	196	41	11	52	71	32	8	40	54	26	7	33	45	
55	121	33	154	209	44	11	55	74	34	9	43	58	28	7	35	47	
60	129	34	163	221	47	12	59	80	36	9	45	61	30	7	37	50	
65	138	35	173	234	49	12	61	82	38	9	47	63	31	7	38	51	
70	146	37	183	247	52	13	65	88	40	10	50	68	33	8	41	55	
75	154	38	192	259	55	13	68	92	42	10	52	70	35	8	43	58	
80	163	39	202	272	58	13	71	95	44	10	54	73	36	8	44	59	
85	171	40	211	284	61	14	75	101	46	10	56	75	38	8	46	62	
90	179	42	221	297	63	14	77	103	48	11	59	79	40	9	49	66	
95	188	43	231	310	66	15	81	109	50	11	61	82	41	9	50	67	
100	196	44	240	322	69	15	84	113	53	11	64	86	43	9	52	70	
105	204	45	249	334	72	15	87	116	55	12	67	90	45	9	54	72	

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	Tons/Pile
40	96	28	124	169	36	10	46	63	28	7	35	47	23	6	29	39	
45	105	30	135	184	38	10	48	65	30	8	38	52	25	6	31	42	
50	113	31	144	196	41	11	52	71	32	8	40	54	26	7	33	45	
55	121	33	154	209	44	11	55	74	34	9	43	58	28	7	35	47	
60	130	34	164	222	47	12	59	80	36	9	45	61	30	7	37	50	
65	138	35	173	234	50	12	62	84	38	9	47	63	31	7	38	51	
70	146	37	183	247	52	13	65	88	40	10	50	68	33	8	41	55	
75	155	38	193	260	55	13	68	92	42	10	52	70	35	8	43	58	
80	163	39	202	272	58	13	71	95	44	10	54	73	36	8	44	59	
85	171	40	211	284	61	14	75	101	46	10	56	75	38	8	46	62	
90	180	42	222	299	63	14	77	103	48	11	59	79	40	9	49	66	
95	188	43	231	310	66	15	81	109	51	11	62	83	41	9	50	67	
100	196	44	240	322	69	15	84	113	53	11	64	86	43	9	52	70	
105	205	45	250	335	72	15	87	116	55	12	67	90	45	9	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 prestressed X-beam bents shown on the standards BXB-32, BXB-32-15, and BXB-32-30.

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	Tons/Pile
40	98	28	126	172	36	10	46	63	28	7	35	47	23	6	29	39	
45	106	30	136	185	39	10	49	66	30	8	38	52	25	6	31	42	
50	114	31	145	197	42	11	53	72	32	8	40	54	27	7	34	46	
55	123	33	156	212	44	11	55	74	34	9	43	58	28	7	35	47	
60	131	34	165	223	47	12	59	80	36	9	45	61	30	7	37	50	
65	139	35	174	235	50	12	62	84	38	9	47	63	32	7	39	52	
70	148	37	185	250	53	13	66	89	40	10	50	68	33	8	41	55	
75	156	38	194	262	56	13	69	93	43	10	53	71	35	8	43	58	
80	164	39	203	273	58	13	71	95	45	10	55	74	37	8	45	60	
85	173	40	213	286	61	14	75	101	47	10	57	76	38	8	46	62	
90	181	42	223	300	64	14	78	105	49	11	60	81	40	9	49	66	
95	189	43	232	312	67	15	82	110	51	11	62	83	42	9	51	68	
100	198	44	242	325	69	15	84	113	53	11	64	86	43	9	52	70	
105	206	45	251	336	72	15	87	116	55	12	67	90	45	9	54	72	

HL93 LOADING

				Bridge Division Standard	
BENT FOUNDATION LOADS PRESTRESSED CONCRETE X-BEAMS 32' ROADWAY XB-BFL32-24					
FILE: XB-BFL32-24.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT	
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