

DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:

TABLE OF FOUNDATION LOADS - 0° SKEW

Span Average	Beam Type	Drilled Shaft Loads				Pile Loads			
		DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)
		Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
Ft									
25	4SB12	25	19	44	65	15	11	26	38
30	4SB12	29	20	49	71	17	12	29	42
35	4SB12	32	22	54	79	19	13	32	47
40	4SB12	35	23	58	84	21	14	35	51
25	4SB15	27	19	46	67	17	11	28	41
30	4SB15	32	20	52	75	19	12	31	45
35	4SB15	36	22	58	84	22	13	35	50
40	4SB15	39	23	62	89	24	14	38	55
45	4SB15	43	24	67	96	26	15	41	59
50	4SB15	47	25	72	103	28	15	43	61

TABLE OF FOUNDATION LOADS - 15° SKEW

Span Average	Beam Type	Drilled Shaft Loads				Pile Loads			
		DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)
		Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
Ft									
25	4SB12	25	19	44	65	15	11	26	38
30	4SB12	29	20	49	71	18	12	30	44
35	4SB12	32	22	54	79	20	13	33	48
40	4SB12	36	23	59	85	22	14	36	52
25	4SB15	28	19	47	68	17	11	28	41
30	4SB15	32	20	52	75	19	12	31	45
35	4SB15	36	22	58	84	22	13	35	50
40	4SB15	40	23	63	90	24	14	38	55
45	4SB15	43	24	67	96	26	15	41	59
50	4SB15	47	25	72	103	28	15	43	61

TABLE OF FOUNDATION LOADS - 30° SKEW

Span Average	Beam Type	Drilled Shaft Loads				Pile Loads			
		DC	LL	Service I (1)	Strength I (2)	DC	LL	Service I (1)	Strength I (2)
		Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Shaft	Tons/Pile	Tons/Pile	Tons/Pile	Tons/Pile
Ft									
25	4SB12	26	19	45	66	16	11	27	39
30	4SB12	29	20	49	71	18	12	30	44
35	4SB12	33	22	55	80	20	13	33	48
40	4SB12	36	23	59	85	22	14	36	52
25	4SB15	28	19	47	68	17	11	28	41
30	4SB15	32	20	52	75	20	12	32	46
35	4SB15	36	22	58	84	22	13	35	50
40	4SB15	40	23	63	90	24	14	38	55
45	4SB15	44	24	68	97	26	15	41	59
50	4SB15	47	25	72	103	29	15	44	63

- (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.

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 slab beam abutments shown on the standards APSB-30, APSB-30-15, APSBD-30-30, and APSBP-30-30.

NOT A STANDARD / NOT FOR INCLUSION IN THE PLANS.

HL93 LOADING

 Texas Department of Transportation	Bridge Division Standard
ABUTMENT FOUNDATION LOADS PRESTR CONCRETE SLAB BEAMS 30' ROADWAY	
PSB-AFL30-24	
FILE: PSB-AFL30-24.dgn	DN: TxDOT CK: TxDOT DW: TxDOT CK: TxDOT
© TxDOT May 2024	CONT SECT JOB HIGHWAY
REVISIONS	DIST COUNTY SHEET NO.