

End Bent Geometry and Loads (Box Beams)

Bridge Width	BB Unit Length	Factored Pile Reaction (kips)	Factored Pile Reaction (tons)
27'-0"	75'-0"	214	107
	80'-0"	221	111
	85'-0"	229	114
	90'-0"	238	119
	95'-0"	252	126
	100'-0"	259	130
30'-0"	75'-0"	228	114
	80'-0"	236	118
	85'-0"	244	122
	90'-0"	254	127
	95'-0"	269	135
	100'-0"	277	139
33'-0"	75'-0"	187	94
	80'-0"	194	97
	85'-0"	200	100
	90'-0"	208	104
	95'-0"	220	110
	100'-0"	226	113
36'-0"	75'-0"	197	99
	80'-0"	204	102
	85'-0"	211	105
	90'-0"	219	110
	95'-0"	233	116
	100'-0"	239	120
39'-0"	75'-0"	207	103
	80'-0"	214	107
	85'-0"	221	111
	90'-0"	231	115
	95'-0"	245	122
	100'-0"	252	126

Bridge Width	Skew	Cap Length	No. of Vertical Piles	No. of Brace Piles	Pile Spacing
27'-0"	60/120	38'-2"	3	2	8'-6"
	75/105	34'-3"	3	2	7'-6"
	90	33'-0"	3	2	7'-6"
30'-0"	60/120	41'-8"	3	2	9'-6"
	75/105	37'-4"	3	2	8'-3"
	90	36'-0"	3	2	8'-3"
33'-0"	60/120	45'-2"	5	2	7'-0"
	75/105	40'-6"	5	2	6'-0"
	90	39'-0"	5	2	6'-0"
36'-0"	60/120	48'-7"	5	2	7'-6"
	75/105	43'-7"	5	2	6'-6"
	90	42'-0"	5	2	6'-6"
39'-0"	60/120	52'-0"	5	2	8'-0"
	75/105	46'-8"	5	2	7'-0"
	90	45'-0"	5	2	7'-0"