



4-1 FOUNDATION GEOTECHNICAL DATA TABLE

Table 1. End Supports (Abutments)

Support Number:
 Foundation Material (Soil or Rock):
 Permissible Settlement (in):
 Resistance Factor (Strength) – ϕ_b :
 Resistance Factor (Seismic) – ϕ_b :

	Total Number of B' Ratios ¹ :		12	
No	Effective Footing Width	Gross Nominal Bearing Resistance	Permissible Net Contact Stress (Settlement)	Factored Gross Nominal Bearing Resistance (Strength)
	B' (ft)	q_n (ksf)	q_{pn} (ksf)	q_R (ksf)
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				

Notes:

1) Indicates total number of data points used for variations of q_n , q_{pn} , and q_R vs. B' .



Table 2. Intermediate Supports (Bents and Piers)

Support Number:
Foundation Material (Soil or Rock):
Permissible Settlement (in):
Resistance Factor (Strength) – ϕ_b :
Resistance Factor (Seismic) – ϕ_b :

Total Number of unique L'/B' Ratios ¹	4
Total Number of B 's per L'/B' Ratios ²	6

No	Effective Footing Width	Effective Footing Size Ratio	Gross Nominal Bearing Resistance	Permissible Net Contact Stress (Settlement)	Factored Gross Nominal Bearing Resistance (Strength)
	B' (ft)	L'/B'	q_n (ksf)	q_{pn} (ksf)	q_R (ksf)
1					
2					
3					
4					
5					
6					
1					
2					
3					
4					
5					
6					
1					
2					
3					
4					
5					
6					
1					
2					
3					
4					
5					
6					

- Notes:
- 1) Indicates total number of curves used to show variations of q_n , q_{pn} , and q_R vs. B' .
 - 2) Indicates total number of points on each curve to show variations of q_n , q_{pn} , and q_R vs. B' .