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'.

C_t LRFD

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'.