



- A = (Distance from bearing to front face of cap) / cos
 B = (Width of berm) / cos
 C = Construction depth plus height of bearing pad
 D = Distance from top of cap to berm elevation
 E = $(2) (El. A - C - D - El. C) / \cos$
 F = $(2) (El. B - C - D - El. D) / \cos$
 W = Width of traveled way plus width of obstruction-free or clear zone
 El. A = Elevation of top of slab
 El. B = Elevation of top of slab
 El. C = Elevation of toe of slope
 El. D = Elevation of toe of slope

STRUCTURE LENGTH FOR HIGHWAY CROSSING
(Beam Type Superstructure)

Figure 59-1K

Note: Interior supports are not shown.

STRUCTURE LENGTH FOR HIGHWAY CROSSINGS (Beam Type Superstructures)

Figure 59-1K