



- 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