



# 4-1 PRELIMINARY FOUNDATION DESIGN DATA SHEET

**Table 1. Foundation Data**

Support No.	Finished Grade Elevation (ft)	Bottom of Footing Elevation (ft)	Estimated Footing Dimensions (ft)		Permissible Settlement under Service-I Load (in)*	Approximate Ratio of Permanent/Total Service-I Load
			<i>B</i>	<i>L</i>		
Abut 1						
Bent 2						
Abut 3						

\* Based on CALTRANS' current practice, the total permissible settlement for a shallow foundation is one inch for multi-span structures with continuous spans or multi-column bents, one inch for single span structures with diaphragm abutments, and two inches for single span structures with seat abutments. Different permissible settlement under service loads may be allowed if a structural analysis verifies that required level of serviceability is met.

**Table 2. Scour Data**

Support No.	Long Term (Degradation and Contraction) Scour Elevation (ft)	Short Term (Local) Scour Depth (ft)
Abut 1		
Bent 2		
Bent 3		
Abut 4		