

## SECTION 10

### SUBGRADE

#### 10-1 GENERAL

- A. Construction of the subgrade shall conform to Section 25-1.03, "Subgrade" of the Caltrans Standard Specifications, except as modified herein.
- B. In advance of constructing embankments or depositing a specified layer of roadbed material, a minimum six (6) inch layer of the existing native ground shall be stripped and removed as directed by the Engineer.
  - 1. Additional existing material within the area which, in the opinion of the Engineer, is unsuitable as a foundation for the embankment (including but not limited to organics, expansive clays, or other deleterious materials either on or beneath the surface) shall be removed, disposed of and the resulting space refilled with approved material.
- C. All rocks or solid lumps of material over two-and-one-half (2-1/2) inches in greatest dimension shall be removed from the upper six (6) inches of the graded roadbed and the resulting spaces refilled with approved material.
- D. When unsuitable material is removed and disposed of and the resulting space refilled with approved material as specified, the approved material shall be placed and compacted in layers in accordance with the applicable requirements as specified in Section 9, "Earthwork" of these Standard Drawings and Specifications.
- E. The native material upon which embankments are to be constructed, for a depth of not less than six (6) inches below finished subgrade, and for a width equal to the width of the proposed surfacing or other improvements plus three (3) feet beyond on all sides shall be scarified and recompacted to not less than 95 percent relative compaction.
- F. The surface of the finished subgrade at any point shall not vary by more than 0.05 foot above or below the subgrade elevation established by the approved Drawings.
- G. Continuous hauling over newly prepared subgrade which will cut or deform it from the required cross-sectional grade will not be permitted.
  - 1. The Contractor shall be financially responsible for all repairs for any damage to the subgrade caused by the Contractor's operations or by use of public traffic.
  - 2. No additional material shall be placed upon the subgrade until the subgrade is tested for compaction and is approved by the Engineer.

END OF SECTION