

CITY OF ODESSA  
STANDARD SPECIFICATIONS

ITEM 22  
SUBGRADE PREPARATION

22.1 DESCRIPTION

The street or roadbed shall be excavated and shaped in conformity with the typical sections shown on plans and to the lines and grades as established by the Engineer.

22.2 CONSTRUCTION METHOD

All unstable or otherwise objectionable material shall be removed from subgrade and replaced with approved material. The surface of the subgrade shall be finished true to line and grade as established and in conformity with the typical section shown on plans. Compaction shall be continued at the approved moisture content until a minimum density of 95% of Standard A.A.S.H.O. T99-57, Method A, has been obtained. Subgrade shall be proof rolled in accordance with Item 216, Texas Highway Department Standard Specification with a 25-ton roller and two coverages will be required. Any deviation in excess of ½" in cross section and in a length of 16 feet measured longitudinally shall be corrected by loosening, adding, or removing material, reshaping and compacting by sprinkling and rolling. All holes, ruts, depressions and irregularities which develop during construction and testing shall be corrected by scarifying the affected area, reshaping and recompacting to the required density. The finished subgrade shall be protected by the Contractor and maintained in a satisfactory condition until it is covered by succeeding construction. Sufficient subgrade shall be prepared in advance to insure satisfactory prosecution of the work. Material excavated in the preparation of the subgrade shall be utilized in the construction of adjacent shoulders, parkways, and slopes, or otherwise disposed of as directed, and any additional material required for the completion of the shoulders, parkways and slopes shall be secured from sources indicated on the plans or designated by the Engineer.

22.3 COMPACTION TESTS

Compaction tests shall be made by a laboratory selected by the Engineer and paid for by the Contractor. The laboratory shall be directed by the Engineer to check compliance with the density requirements. The Contractor shall notify the Engineer when compaction has been achieved.

Compaction tests may be used by the Contractor to assist in controlling the amount of compaction required. The cost of these control tests and the cost of failing tests taken for compliance shall be paid for by the Contractor.

#### 22.4 MEASUREMENT

Work as prescribed for this item shall be measured by the square yard of completed and accepted "Subgrade Preparation" as measured from lip of curb to lip of curb along the length of the project where new pavement and base is constructed. Where existing hot mix remains "Subgrade Preparation" shall be measured from lip of curb to existing hot mix.

#### 22.5 PAYMENT

Work performed as prescribed for this item will be paid for at the unit price bid for "Subgrade Preparation", which price shall be full compensation for blading, sprinkling, compacting, finishing and proof rolling, and furnishing all labor, equipment, tools and incidentals necessary to complete the work.