

## SECTION 6 SUBGRADE PREPARATION

**6-1 GENERAL** - The work specified in this Section includes the preparation of the ground on which the subbase, base, pavement or other surfacing materials are to be placed, as specified. The finished subgrade plane lies between the subgrade and the lowest element of any other surfacing material placed on it. All relative compaction shall not be less than 95 percent, for a depth of 0.5 feet, regardless of location. All subsequent material placed thereon shall have a relative compaction of 95 percent throughout unless otherwise specified herein.

After compaction and trimming, the subgrade shall be firm, hard, and unyielding.

Unsuitable subgrade material, as determined by the Engineer, shall be removed to a depth as specified and disposed of as directed. Material as determined by the Engineer to be suitable for reuse, may be allowed to dry and be reprocessed at no additional cost to the City. Any material removed and not incorporated in the work shall be replaced with suitable material approved by the Engineer and shall be compacted to a relative compaction of not less than 95 percent. Any such work, including the removal, disposal, and replacement of said material, shall be paid for as extra work less the cost of processing wet material, unless otherwise specified.

The Contractor, at no expense to the City, shall repair any damage to the prepared subgrade caused by construction operations or by use of public traffic. No material shall be placed upon the prepared subgrade until the subgrade is in the condition meeting the requirements specified.

In order to facilitate the preparation of subgrade, the Contractor may remove rocks, lumps, break up hardened material or temporarily construct a rough grading plane below the subgrade elevation, provided that the rough grading plane is subsequently brought up to subgrade elevation with suitable material approved by the Engineer. The materials shall be compacted to a relative compaction of not less than 95 percent. Any such work shall be at the expense of the Contractor and no separate payment will be made therefor.

The Contractor shall be responsible to schedule his work to minimize the length of time between roadway excavation to prepare subgrade and commencement of roadway paving. Unless otherwise directed by the Engineer, no more than three (3) working days shall lapse between the commencement of roadway excavation and the commencement of the first lift of roadway paving. If in the opinion of the Engineer, the Contractor is unable to commence paving operations in conformance with this requirement, he shall reserve the right to suspend or not allow to begin any excavation work. Work may resume when the Contractor can demonstrate to the satisfaction of the Engineer that subsequent paving operations will conform to these requirements.

**6-2 SUBGRADE TOLERANCE** - Subgrade for asphalt concrete, concrete, or other roadway structures, shall not vary more than one-half inch from the specified grade and cross section. Variations within the specified tolerances shall be compensated so that the average grade and cross section specified are met.

**6-3 MEASUREMENT** - There shall be no separate measurement for subgrade preparation, unless provided for in the "Bid Proposal."

**6-4 PAYMENT** - Unless provided for otherwise in the "Bid Proposal", no separate payment shall be made for preparing subgrade. Full compensation for furnishing all labor, materials, tools, equipment, water and incidentals, and for doing all the work involved in preparing subgrade as specified, shall be included in the contract price paid for the various contract items of work, and no additional payment shall be made therefor.