

PREPARATION OF SUBGRADE/FINE GRADESECTION 109

1. GENERAL
2. PREPARATION OF SUBGRADE
3. FINE GRADING
4. PROTECTION OF SUBGRADE

1. GENERAL

- (a) The work shall consist of the preparation of the top surface of the roadbed, after all grading has been substantially completed and all pipes/conduits laid, to accommodate the placement of pavement structure, shoulders or gutters, or access road stabilized surface, in accordance with these specifications and in conformity with the lines, grades and typical cross-sections as shown on the Contract Drawings.

2. PREPARATION OF SUBGRADE

- (a) All soft and yielding material and other portions of the subgrade which will not compact readily when rolled or tamped shall be removed and replaced with suitable material. The surface shall be compacted uniformly by rolling with an approved static or other non-vibratory power roller having a minimum compression of 300 pounds per inch of width of tread on the rear wheel, and weighing not less than 10 tons.
- (b) When more than one compacting unit is used, the unit exerting the greatest compactive effort shall be used to make the initial compaction. Any portion of the subgrade which is not accessible to a roller or other compacting unit shall be compacted thoroughly with hand tampers or with approved mechanical static or other non-vibratory compactors.
- (c) The dry density of the subgrade after compaction shall not be less than 98% of the maximum dry density as determined by AASHTO T-99 Method C.

3. FINE GRADING

- (a) After compaction, the top surface of the subgrade shall be fine graded so that it shall not extend above nor more than 1/2 inch below, true grade and surface at any location. The subgrade shall not be muddy nor otherwise unsatisfactory when pavement/base/subbase is placed upon it. If the fine grade of the subgrade becomes rutted or displaced due to any cause whatsoever, the Contractor shall regrade same at his own expense.

4. PROTECTION OF SUBGRADE

- (a) The Contractor shall protect the subgrade from damage by exercising such precautions as the Engineer may deem necessary. At all times the subgrade surface shall be kept in such condition that it will drain readily and correctly. The subgrade shall be checked and approved before any roadway structure is placed thereon.

END OF SECTION