

## **SECTION 301 -- GENERAL REQUIREMENTS**

### **301.01 -- General**

1. Compaction requirements are shown in the plans or in the specifications.
2. The Contractor shall be responsible for the repair and restoration of any roadbed damage, loss of stability, or rutting caused by the hauling operations.
3. Maintenance of the granular fill, base course, foundation course, and subgrade for both roadway and shoulders shall be the responsibility of the Contractor until overlying pavement is complete and accepted by the Engineer. This maintenance shall be considered subsidiary to the items for which direct payment is provided.

### **301.02 -- Equipment**

1. a. All equipment shall be kept in satisfactory working condition.  
b. Equipment shall be operated within the manufacturer's specifications.  
c. The Contractor shall perform the tests and calibrations on all equipment. In the event problems are encountered during the tests and calibrations, the Contractor shall arrange for a trained technician or company representative to make the necessary repairs and/or adjustments to the equipment. Calibrations shall be made as often as is deemed necessary by the Engineer at no additional cost to the Department.
2. The equipment used for mixing and proportioning the foundation course mixtures shall consist of twin pugmill mixers or equivalent equipment able to apply water uniformly. Also included shall be an approved feeder capable of uniformly proportioning the aggregate and soil binder.
3. The hauling equipment shall consist of trucks equipped for dumping material into spreader boxes or in a windrow. They shall be constructed and maintained to prevent loss of materials during hauling operations.
4. a. Water distributors shall be equipped with spray bars.  
b. The distributor equipment shall provide accurate and uniform distribution of water. The control valves shall close fully to prevent leakage.  
c. The Engineer may approve alternate water distributing equipment.  
d. Water will be measured through a meter or with calibrated tanks in gallons. The weight of the water can also be measured and converted to gallons.
5. The equipment used for profiling the subgrades, base courses, and foundation courses shall conform to the requirements of Subsection 302.03.
6. Only compacting equipment and methods which will consistently produce the compaction specified throughout the depth of the compacted lifts shall be used. Compacting equipment which produces a smooth, glossy surface or produces detrimental laminations within the compacted lifts will not be allowed.
7. Equipment used to deliver materials along the length of the roadbed shall place the material uniformly.
8. Equipment for weighing loaded trucks shall comply with requirements given in Subsection 503.03.