

SECTION 305 -- CRUSHED ROCK BASE COURSE

305.01 -- Description

Crushed rock base course shall consist of furnishing, placing, shaping, and compacting a course of crushed rock to provide a firm and stable foundation for subsequent construction. This base course shall be constructed on a profiled subgrade in accordance with the requirements of these *Specifications* and in conformity with the lines, grades, quantity requirements, and the cross sections shown in the plans.

305.02 -- Material Requirements

Crushed rock and crushed rock screenings for the crushed rock base course shall conform to the requirements of Subsection 1033.02, Paragraphs 1., 2., and 8.; and Table 1033.09.

305.03 -- Construction Methods

1. The Contractor shall exercise particular care in loading, hauling, and distributing the crushed rock to avoid segregation of the coarse and fine particles. Windrowing will not be required if the rock particle distribution is uniformly maintained.

2. a. The Contractor shall spread crushed rock screenings for the base course uniformly over the prepared subgrade and then moisten and compact them. The crushed rock for base course shall then be hauled, distributed, spread, and compacted in such a manner as to avoid displacement of the underlying layer of screenings.

b. After the crushed rock has been placed on the roadbed, the Contractor shall spread it uniformly over the width of the proposed base course. Water shall be applied as necessary to facilitate compaction and bonding of the materials.

c. The Contractor shall accomplish primary compaction by rolling with multiple-wheel, pneumatic-tired rollers and a tandem or three-wheel roller having a minimum weight of 10 tons. A minimum of three full coverages with the designated rollers will be required. Rolling shall be continued until further rolling does not increase the density of the material.

d. The Contractor shall spread a final light application of crushed rock screenings uniformly over the surface of the base course to close large voids and provide a smooth and uniform surface. The final finish of the base course shall be obtained by rolling with the multiple-wheeled, pneumatic-tired roller to produce a smooth, tightly-knit surface. Water shall be added as necessary to achieve the surface finish.

305.04 -- Method of Measurement

1. The weight of crushed rock will be measured on approved scales.

2. A copy of the weight ticket shall accompany each load to the placement site and be furnished to the Engineer. Acceptance of the rock at the placement site will be based upon verification that the rock is of the proper size, gradation, and strength.

3. Water applied will be measured in accordance with Subsection 302.04.

305.05 -- Basis of Payment

- | 1. Pay Item | Pay Unit |
|---|----------------------|
| Crushed Rock for Base Course | Ton (Tn) |
| Crushed Rock Screenings for Base Course | Ton (Tn) |
| Water | 1,000 Gallons (MGAL) |
2. Payment is full compensation for all work prescribed in this Section.