

DIVISION 300
AGGREGATE COURSES

SECTION 301
UNTREATED AGGREGATE COURSES

301.01 **DESCRIPTION** – Revise the second sentence to read as follows:

Sub-base and base aggregate grading are designated as shown in Tables 703-2A and 703-2B respectively.

301.02 **MATERIAL** – Delete and revise the paragraph to read as follows:

- a. Aggregate Sub-base Material shall be selected coralline limestone free of roots, leaves, molds, clay or other organic material and meeting the following requirements shown in Table 703-2A.
- b. Aggregate Base Material shall consist of crushed coralline limestone meeting the following requirements shown on Table 703-2B.
- c. Drain Aggregate shall consist of crushed coralline limestone meeting the requirements of Subsection 703.03.
- d. Water shall be free of substances detrimental to the work.

301.03 **GENERAL** – Last paragraph to read as:

Set target values within the gradation ranges shown in Tables 703-2A and 703-2B under Section 703 Aggregates.

301.05 **COMPACTING** – Delete and revise this subsection to read as follows:

- a. Immediately following the final spreading and smoothing, each layer shall be compacted to the full width. Rolling shall progress gradually from the sides to the center, parallel to the centerline of the roadway, and shall continue until the entire surface has been rolled. Any irregularities or depressions that develop shall be corrected by loosening the material at these places and adding or removing material until the surface is smooth and uniform. The material shall be compacted with approved tampers and or rollers.

Both the crushed sub-base and base course aggregates should be uniformly spread without segregation, moisture conditioned as necessary, and compacted with a vibratory roller to at least 95 percent of its maximum dry density for the sub-base layer and 100 percent of its dry density for the base aggregate. Care should be taken during the spreading of the sub-base and base aggregates to avoid segregation of the aggregates.

The sub-base aggregate should be placed in 8-inch loose thickness or 6-inch compacted layer thickness. The base aggregate can be placed all at one time.

- b. In-Place Density Test:

Test shall be performed in sufficient numbers to ensure that the specified density is being

obtained. The following number of tests, if performed at the appropriate time, will be the minimum acceptable for each type of operations.

1. For Utility Trenches:
 - a. One test per 50 linear feet of pipe bedding material compacted by hand operated machines.
 - b. Two test per 50 linear feet of each compacted backfill layer, compacted by hand operated machines.
2. For aggregate sub-base material and base course material:
 - a. One test per 200 square yards, or fraction thereof, of each layer lift of each material.

301.08 **ACCEPTANCE** – Delete and revise this subsection to read as follows:

- a. The Contracting Officer will verify conformance with the nominal thickness specified and shown on the drawings by checking the course thickness at randomly selected test holes located at 50 to 100 linear feet. The digging, refilling and compacting of these holes shall be performed by the Contractor under the supervision of the Contracting Officer at no extra cost to the government.
- b. Aggregate gradation, plasticity index and other aggregate characteristics properties required will be evaluated under subsection 106.01, 106.03 and 106.04 in meeting the requirements set forth in subsection 301.02.
- c. Preparation of the surface on which the aggregate course is placed will be evaluated under Section 204 as applicable.
- d. Construction of untreated aggregate course will be evaluated under subsection 106.02 and 106.04, and subsection 301.05 for in-place field density test requirements.

301.09 **MEASUREMENT** - This subsection is supplemented as follows:

The quantity of base and sub-base course will be measured in square yards as compacted in-place and accepted.

301.10 **PAYMENT** - Add the following to this subsection:

Payment will be made under:

Pay Item No.	Pay Item	Pay Unit
30101(A)	New Coral Aggregate Base, 8-inch depth, complete-in-place	Square Yard
30102	New Coral Aggregate Sub-Base, 16-inch depth, compacted	Square Yard

END OF SECTION 301