

ITEM 12304.0701 M - CRUSHER RUN LIMESTONE COURSE

DESCRIPTION

The work shall consist of furnishing, placing and compacting crusher run limestone in conformity with the lines, grades, thicknesses and typical sections shown on the Plans, or as determined by field conditions and ordered in writing by the Engineer.

MATERIALS

Test and Control Methods. The Department will perform materials tests and quality control methods pertaining to the work of this section in conformance with the procedures contained in the appropriate Departmental publications which are current on the date of advertisement for bids. These publications are available upon request to the Regional Director or the Director, Geotechnical Engineering Bureau.

Material Requirements. Material shall consist of crusher run limestone. All materials furnished shall be well graded and free from unsuitable materials. All processing shall be completed at the source.

A. **Gradation**

<u>Sieve Size Designation</u>	<u>Percent Passing by Weight</u>
12.5 mm	100
6.3 mm	80-100
2.0 mm	55-75
0.425 mm	10-40
0.075 mm	0-20

B. **Soundness.** Material will be accepted on the basis of a Magnesium Sulfate Soundness Loss after 4 cycles of 20 percent or less.

C. **Plasticity Index.** The Plasticity Index of the material passing the 0.425 mm mesh sieve shall not exceed 5.0.

D. **Elongated Particles.** Not more than 30 percent, by weight, of the particles on a 12.5 mm sieve shall consist of flat or elongated particles. A flat or elongated particle is defined herein as one which has its greatest dimension more than 3 times its least dimension. Acceptance for this requirement will normally be based on a visual inspection by the Engineer. When the State elects to test for this requirement, material with a percentage greater than 30 will be rejected.

E. **Stockpiling.** All material shall be stockpiled. No more than one project shall be supplied from a stockpile if the material is measured in the pile.

CONSTRUCTION DETAILS

The crusher run limestone course shall be placed to grade with a paver. The Engineer may waive this requirement, in writing, for locations where it is deemed not practical. In these situations, trucks shall be carefully unloaded on the grade at locations which minimize the distance the

ITEM 12304.0701 M - CRUSHER RUN LIMESTONE COURSE

material must be moved. Uncontrolled spreading from piles dumped on grade will not be permitted.

Material shall be compacted in accordance with the requirements of §203-3.12, Compaction. Compaction of this course shall not lag spreading operations by more than 150 linear meters.

Should the subbase become mixed with the crusher run limestone course or any other material, the Contractor shall, at his expense, remove such mixture and replace it with approved materials.

The Contractor shall assume full responsibility for any contamination and degradation of any part of this course during construction and shall, at no cost to the State, remove any and all portions of this course which does not conform to the requirements of this specification and replace these portions with approved material.

After completion, the final surface of the course shall not extend more than 6 mm above nor more than 6 mm below true grade for the course at any location.

METHOD OF MEASUREMENT

The quantity to be paid for under this item will be the number of cubic meters of material, computed from payment lines shown on the Plans, or as ordered by the Engineer.

BASIS OF PAYMENT

The unit price bid for this work shall include the cost of furnishing all labor, material and equipment necessary to complete the work. The cost of adding water shall be included in the price bid unless the item for applying water is included in the Contract. No direct payment will be made for losses of material resulting from erosion or any other cause. The cost of such losses shall be included in the price bid for this item. No deductions shall be made for the volumes occupied by manholes, catch basins and other such objects.

Progress payments will be made after the crusher run limestone course has been properly placed and compacted. Payment will be made at the unit price bid for seventy-five (75%) of the quantity. The balance will be paid for after the final surface is accepted.