

ITEM 0103601

FORMATION OF SUBGRADE

DESCRIPTION

The area of the underlying soil portion of the pavement structure that supports either the pavement base or the sub-base shall be known as the sub-grade.

This item shall apply to new road construction in locations where no existing pavement structure exists. After the new roadbed has been established by excavating, filling and grading in accordance with item #0103801 and to the satisfaction of the engineer, the contractor shall form the road sub-grade.

This work requires the grading, shaping, compacting, and filling low areas with suitable material to form a stable, compacted sub-grade to the lines and elevations and cross sections shown on the plans. The formation of the sub-grade shall be completed after all utility structures, pipes drainage, and related work has been satisfactorily completed.

REFERENCED ITEMS

#0103801

REQUIRED SUBMITTALS

None

MATERIALS

None

CONSTRUCTION METHODS

All soft and unyielding material and other portions of the sub-grade that will not compact readily shall be removed and replaced with suitable material.

The sub-grade shall be uniformly compacted by the use of a roller that shall deliver a ground pressure of not less than 300 pounds per linear inch of contact width and weigh not less than 10 tons.

The dry density after compaction shall not be less than 95 percent of the dry density for that soil when tested in accordance with AASHTO T-180-01, Method D.

Any portion of the sub-grade not accessible to larger compacting units shall be compacted, as directed by the Engineer, to a degree equal to that obtained on the other portions of the sub-grade with equipment and by methods appropriate to the size of the inaccessible area.

After compacting, the sub-grade shall be true to required line and grade. There will be no direct payment for any additional materials required to bring the sub-grade to the line, grade and cross-section shown on the plans.

The sub-grade surface shall be maintained in such condition as to permit proper drainage. It shall be checked and approved by the Engineer prior to placing any pavement structure.

METHOD OF MEASUREMENT

Payment lines for FORMATION OF SUB-GRADE shall be coincident with the front face of the curblines or as indicated in the drawings.

BASIS OF PAYMENT

Formation and protection of sub-grade will be paid for at the contract unit price per square yard for "FORMATION OF SUB-GRADE" which price shall include all materials, equipment, tools and labor necessary thereto.

<u>PAY ITEM</u>	<u>DESCRIPTION</u>	<u>PAY UNIT</u>
0103601	Formation of Sub-Grade	SY