

**Division 4: Select Borrow I, CBR 20**

**4.01 SCOPE:** Select Borrow I shall consist of material with a minimum CBR of 20 obtained from approved off-site sources. This material will be used as subbase in the pavement structure at the depth shown on the construction plans.

**4.02 MATERIALS:** Select Borrow shall consist of local or commercial materials void of roots and debris and meeting the following requirements:

A. Select Borrow shall be sandy soil Type II or III and shall be as follows:

1. Grading: (When tested in accordance with VTM-25)

Percentage by weight of Material Passing

Type	3" Sieve	2" Sieve	No. 200 Sieve Maximum
II		Minimum 100	25
III	Minimum 100		20

2. Atterberg Limits:	Max. <u>Liquid Limit</u>	Max. <u>Plasticity Index</u>
Type II, III	30	9

B. Select Borrow I obtained from off-site sources must have a value of twenty (20) or greater from the California Bearing Ratio test for shearing resistance as set forth in ASTM D-1883. All off-site sources must be from a location approved by the Engineer prior to construction. The use of materials from these sources will not be permitted until representative samples have been tested and the results are furnished and approved by the Engineer. Test values will be accepted only if they have been sampled within ninety (90) days of the contract agreement. The Contractor will be responsible for furnishing the above tests and all associated costs at no additional expense to the City.

**4.03 EXECUTION:** Select Borrow I to be used as subbase under the pavement surface must be furnished and placed in accordance with the following requirements:

A. Shall consist of furnishing and placing select Borrow I in uniform layers and mechanically compacted to a minimum density of ninety-five percent (95%) of its theoretical maximum density at plus or minus twenty percent (20%) of its optimum moisture as per the construction plans and VTM-1.

B. Compaction Tests: The City, or its authorized representatives, reserve the right to perform compaction tests on any or all portion(s) of backfill placed at no costs to the Contractor. However, in the event the compaction of this backfill is not in compliance with the above requirements, the Contractor shall take corrective measures at no costs to the City to bring the backfill within the limits of these Specifications. The Contractor shall then be responsible for reimbursing the City all costs associated with the performance of compaction test(s) in those sections of the backfill that failed the compaction test(s).

C. Select Borrow I will be placed only on existing subgrade or undercut excavation which has been compacted as per Division 4.03 A.

D. Once the Select Borrow I has been placed and compacted, placement of the next pavement component must proceed immediately in order to keep construction traffic across the select borrow to a minimum as the compaction of each layer progresses. Continuous leveling and manipulating will be required.

**4.04 MEASUREMENT AND PAYMENT:** Select Borrow I used as subbase for the pavement section will not be measured by cross-sectioning, but will be based on the plan quantities shown at the locations and depths specified on the pavement

summary sheets. Payment will be made based on the contract price per cubic yard as specified in the Unit Price Table.