

## Section 312 Select Crushed Material

### 312.1 Description

- (1) This section describes providing select crushed material used primarily for subgrade correction and improvement.

### 312.2 Materials

- (1) Furnish crushed stone or crushed concrete from a department-approved source substantially free of unconsolidated overburden materials, topsoil, organic materials, steel, and other deleterious materials.
- (2) A department-approved source is a source with acceptable department test results for wear and soundness on record. The engineer may also approve other sources as follows:
1. Mined or quarried waste rock that, in the engineer's opinion, is hard, durable, and when processed through a primary crusher, will produce a material similar in size and texture to that produced from a quarry face.
  2. Crushed concrete that the engineer judges substantially free of steel, building materials or other deleterious material; and when processed through a primary crusher produces a material similar in size and texture to that produced from a quarry face.
- (3) The engineer may reject material produced from deteriorated concrete or from non-durable rock such as sandstone, shale, slate, disintegrated granite, or heavily weathered rock.
- (4) Conform to the following gradation:

SIEVE	PERCENT PASSING (by weight)
5-inch	90 - 100
1 1/2-inch	20 - 50
No. 10	0 - 10

- (5) Furnish material that has a minimum of 50 percent, by count, of the number of particles retained on the 1 1/2-inch sieve with at least 2 fractured faces.
- (6) The department will assess select crushed material acceptability based primarily on the engineer's visual inspection. The department may also test for gradation or fracture.

### 312.3 Construction

**Revise 312.3 to add moisture and lift thickness requirements.**

- (1) Place select crushed material where the plans show or as the engineer directs. **Ensure that there is adequate moisture in the aggregate during placing, shaping, and compacting to prevent segregation and achieve adequate compaction.**
- (2) **Spread and compact select crushed material in compacted layers of 16-inches or less. The engineer may allow thicker layers to address soft foundation conditions.** Compact select crushed material using standard compaction conforming to [301.3.4.2](#).

### 312.4 Measurement

- (1) The department will measure the Select Crushed Material bid items by the ton or cubic yard acceptably completed.

### 312.5 Payment

- (1) The department will pay for measured quantities at the contract unit price under the following bid items:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
312.0110	Select Crushed Material	TON
312.0115	Select Crushed Material	CY

- (2) Payment for Select Crushed Material is full compensation for providing select crushed material.