

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.