311 Breaker Run

311.1 Description

(1) This section describes providing breaker run used primarily for subgrade correction and improvement.

311.2 Materials

(1) Furnish stone or concrete processed through a primary crusher set to produce material predominantly 6 inches or less in at least one dimension, and which is not further screened or crushed. Obtain material 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 quarry 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. 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) The department will assess breaker run acceptability based primarily on the engineer’s visual inspection.

(5) The contractor may substitute select crushed material conforming to 312.2 for breaker run.

311.3 Construction

311.3 Remove paragraph (3) added in 2023 to not place recycled concrete breaker run within 75 feet of outfalls, pipes, culverts, and bodies of water.

(1) Place breaker run 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 breaker run in compacted layers of 16-inches or less. The engineer may allow thicker layers to address soft foundation conditions. Compact breaker run using standard compaction conforming to 301.3.4.2.

311.4 Measurement

(1) The department will measure the Breaker Run bid items by the ton or cubic yard acceptably completed.

(2) If the department converts volume to weight as specified in 109.1, the conversion factor for the acceptably completed in-place Breaker Run bid items is 1.75 tons per cubic yard.

311.5 Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
311.0110	Breaker Run	TON
311.0115	Breaker Run	CY

(2) Payment for Breaker Run is full compensation for providing breaker run. If the contractor substitutes select crushed material for breaker run as allowed under 311.2, the department will pay for that material at the Breaker Run unit price.