

SECTION 906 -- BROKEN CONCRETE RIPRAP

906.01 -- Description

1. a. The Contractor shall prepare the slopes and place broken concrete on the earth slopes at the locations shown in the plans.

b. Any excavation or embankment necessary to place the riprap to the limits shown in the plans shall be part of this work.

2. The concrete riprap shall be obtained from the areas designated in the plans.

3. a. It shall be the responsibility of the Contractor to ensure that a sufficient quantity of old concrete be broken to the requirements stated below and removed for use as riprap.

b. Any concrete intended but not used as riprap shall be disposed of as directed by the Engineer.

906.02 -- Material Requirements

1. The concrete riprap shall be reasonably well graded from the largest to the smallest sizes.

2. a. The Contractor shall size the riprap by breaking the concrete rubble so that no individual piece will have a volume greater than approximately 0.1 m³.

b. No more than 10 percent of the riprap pieces shall have a volume of less than 0.0005 m³.

c. Fifty percent of the riprap shall be composed of pieces with a volume less than 0.02 m³.

d. Each piece shall have no dimension greater than 3 times its least dimension.

3. Control of the sizing shall be by visual inspection to verify that the concrete rubble is well graded and does conform to the maximum and minimum sizes specified.

906.03 -- Construction Methods

1. The Contractor shall place the broken concrete so each piece is touching the adjacent pieces in a configuration creating the highest possible density while producing a reasonably solid mass within the limits shown in the plans.

2. All material shall be placed so that the large and small sizes are well mixed.

3. Reinforcing steel bars projecting from the mass shall be cut off.

906.04 -- Method of Measurement

1. Broken concrete riprap shall be measured by the megagram.
2. The mass will be determined by measuring the volume (cubic meters) of broken concrete riprap placed and multiplying by 1.6 Mg/m³.

906.05 -- Basis of Payment

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|----|------------------------|-----------------|
| 1. | <u>Pay Item</u> | <u>Pay Unit</u> |
| | Broken Concrete Riprap | Megagram (Mg) |
2. Payment is full compensation for all work prescribed in this Section.