

**ITEM 203.6101—25 - ROCK SUBGRADE FRAGMENTATION**

**1. DESCRIPTION:**

- 1.01 This work shall consist of drilling, blasting and leaving in place, rock below the subgrade surface at the locations and to the depths shown on the plans, or as ordered by the Engineer.

**2. MATERIALS:**

- 2.01 None specified.

**3. CONSTRUCTION DETAILS:**

- 3.01 The Contractor is responsible to use the proper depth and spacing of the holes and the proper amount and type of explosive to insure effective fragmentation and displacement. Where pre-splitting is used, drill pre-split holes at least to the depth of the subgrade fragmentation holes. Conduct the work in a manner to avoid fly rock. Remove material heaved by the blasting and trim back the area to the lines and grades shown on the plans or as ordered by the Engineer.
- 3.02 Excavate test trenches at locations as ordered by the Engineer to verify results. After blasting, the maximum allowed dimension of the fragmented rock pieces is 24 inches. No unbroken rock in the area of fragmentation will be allowed to project into the subgrade area. Correct any deficiencies by re-drilling and blasting. Backfill test trenches with rock, having a maximum size not to exceed 12 inches in the greatest dimensions.
- 3.03 Prior to placement of subbase, chink and compact the surface of the rock fragmentation area to the satisfaction of the Engineer.

**4. METHOD OF MEASUREMENT:**

- 4.01 This work will be measured as the number of square yards of subgrade fragmentation actually constructed, computed on a horizontal plane between the centerline(s) of the ditches and the stations shown on the plans, or as ordered by the Engineer.

**5. BASIS OF PAYMENT:**

- 5.01 The unit price bid shall include the cost of all labor, materials and equipment necessary to satisfactorily complete the work, including the cost of drilling, blasting, and removal of any heaved materials, backfilling of test trenches, chinking and compacting the surface. The excavation of test trenches is paid for under Item 206.02 – Trench and Culvert Excavation.