

ITEM 01608.1103 M - BLUESTONE SIDEWALKS (MORTAR SETTING BED)

DESCRIPTION:

The work under this item consists of constructing new bluestone sidewalks in accordance with these specifications and in conformity with the lines and grades shown on the plans, or as directed by the Engineer.

MATERIALS:

Bluestone. The stone shall be NYS bluestone. The stone shall be a free stone (meaning solid, no black lines showing with grain); no red stone will be acceptable. Natural color variations that are characteristic of the deposit will be permitted. Any sidewalk panels containing discoloration other than cleanable surface stains must be approved by the Engineer prior to inclusion in the work.

Sidewalk panels shall be a minimum of 1.5 meters wide and a minimum of 1.5 meters long. Minimum thickness shall be 40 mm and the maximum being 50 mm. No spalted edges that are undercut with more than a 22 degree angle from top will be acceptable. All stone shall be free of open seams. Natural cleft surfaces should be ± 3 mm from arris plane. Pieces should be cut to size, full dimension ± 8 mm in length, width, and being square.

Mortar Bedding. Mortar used to bond the bluestone to the concrete sidewalk shall meet the NYSDOT Material Specification Subsection 705-21

CONSTRUCTION DETAILS:

The mortar setting bed and bluestone shall be placed on the concrete sidewalk as shown on the plans. The mortar setting bed thickness will vary according to actual thickness of bluestone. Total thickness of the mortar setting bed and bluestone shall be 150 millimeters. Bluestone is to be set on the mortar setting bed with approximate ± 8 mm joint to be swept full with screenings. When setting stones, the mortar should be leveled to match bottom of the profile of the stone to be laid. After stone is set, they should be tamped with handle of sledge hammer or block of wood to vibrate stone into bed. If stones are low after being tamped, they must be repicked and mortar added under full area of stone.

Any stones with chipped corners or spalted edges will be rejected.

Damage to adjacent sidewalks by the Contractor's operation shall be repaired to the satisfaction of the Engineer at the Contractor's expense.

ITEM 01608.1103 M - BLUESTONE SIDEWALKS (MORTAR SETTING BED)

METHOD OF MEASUREMENT:

The bluestone sidewalks shall be measured by the number of square meters placed as shown on the plans, or as directed by the Engineer.

BASIS OF PAYMENT:

The unit price per square meter shall include the cost of furnishing all labor, material and equipment, including the mortar setting bed, necessary to complete the work as shown on the plans, or as directed by the Engineer.