

## **ITEM 11608.05 M - BLUESTONE SIDEWALK PAVERS (MORTAR SETTING BED)**

### **DESCRIPTION**

Under this item, the Contractor shall furnish and install bluestone sidewalk pavers on a prepared base in accordance with these specifications and in conformance with the lines, grades, and typical sections shown on the plans or established by the Engineer.

### **MATERIALS**

Mortar shall conform to the requirements of Section 705-21 of the Standard Specifications (Metric Edition).

The bluestone pavers shall be 100 mm thick with a thermal surface finish, edges smooth sawn and a rubbed finish on the bottom. The maximum size stone to be provided under this item shall not exceed 2 m in greatest dimension on any one piece. The ratio of lengths to widths shall not exceed three(3). Bluestone shall conform to the following requirements:

Absorption - ASTM C97, 1.5% maximum after 48 hours  
Compressive Strength - ASTM C170, Minimum 30,000 kPa  
Abrasion Index - ASTM C241, 28.84

### **CONSTRUCTION DETAILS**

The bluestone pavers shall be placed over a mortar setting bed and set at the grade and slope shown on the plans or as ordered by the Engineer.

The bluestone pavers shall be placed on 25 mm setting bed over a specified concrete or bituminous subbase. While the mortar is plastic, the bluestone pavers shall be laid onto the mortar and made hand tight.

After the bluestone has been set, mortar shall be placed into the joints and struck smooth.

The Contractor shall protect the bluestone for the duration of the Contract. Any damage done to the adjacent areas shall be repaired by the Contractor at no expense to the state.

The bluestone pavers shall be the same width as the existing pavers being replaced. All pavers shall be random sized to match existing unless otherwise directed in writing by the Engineer.

### **METHOD OF MEASUREMENT**

Pavers shall be measured by the number of square meters of bluestone furnished and installed, including joints, within the limits called fo on the plans or ordered by the Engineer.

### **BASIS OF PAYMENT**

The price bid per square meter shall include the cost of furnishing all labor, materials and equipment necessary to complete the work, including setting bed material, as specified except that any necessary

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excavation, subbase course and cast-in-place concrete will be paid for under their appropriate items.