

ITEM 11608.32 - GRANITE UNIT PAVEMENT

DESCRIPTION:

This work shall consist of furnishing and installing granite unit pavement in accordance with the contract documents and as directed by the Engineer.

MATERIALS:

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

Granite shall be of a large-grained granite without veining, and with an overall gray-green appearance composed of green-to-brown and grey-to-blue color.

Stone shall be engineering grade structural granite, hard and durable, seamless and of smooth splitting character. Natural variations characteristic of the deposits will be permitted.

Granite unit pavers shall be the sizes and finishes as called for in the contract documents.

Granite Unit Pavers, Granite Stone Cladding and Granite Curb shall be obtained from the same source, and shall be as approved by the Engineer.

Prior to the start of work, the Contractor shall submit a sample of five (5) unit pavers showing the range of colors for approval by the Engineer in coordination with the Regional Landscape Architect. Samples shall be clearly labeled with the Contract Number, manufacturer/source, color(s), size and finish(es). All granite unit pavers used in the work shall conform to the approved samples.

Before installation of granite unit pavement the Contractor shall construct a sample pavement to demonstrate the paving pattern as shown in the contract documents. The sample for pavement on mortar setting bed shall be typical of the layout and pattern called for in the contract documents, and shall include mortar joints.

The Contractor shall notify the Engineer and Landscape Architect seven days in advance of the date when the sample pavement is to be constructed. The sample shall be located as directed by the Engineer and may be part of the final work. The Contractor shall obtain written approval from the Engineer of the sample pavement prior to commencing with the final work. If the sample pavement is disapproved, it shall be removed and re-installed as directed by the Engineer. The Contractor shall maintain the approved sample pavement in an undisturbed condition as a standard for judging the completed work. After completion and approval of the finished work, the sample pavement shall be demolished and removed by the Contractor, or included as part of the work, as directed by the Engineer.

CONSTRUCTION DETAILS

Mortar for setting bed shall be mixed in such quantities as needed for immediate use. For small quantities, mortar bed shall be mixed in a batch-type machine mixer. Materials that have been mixed for a period of more than 30 minutes shall not be used. Retempering of mortar bed will not be permitted.

The location and layout of granite unit pavement shall be as indicated in the contract documents and is subject to approval by the Engineer in coordination with the Regional Landscape Architect. All edges,

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borders and corners of the paved area shall be finished to true and neat lines. Special cutting, various shapes, and variations in size and finish are all to be included in the square meter price bid.

Each paver shall be cleaned by brushing or other non-abrasive means immediately prior to installation. Prior to setting on the mortar bed, each paver shall be coated on the underside by troweling with a mixture of Portland cement and water. The mixture shall be of stiff creamy consistency. Mortar droppings or smears on the exposed faces of pavers shall be brushed off immediately after the paver is set. Any paver that becomes loose after the mortar bed has set shall be removed, cleaned, and relaid with fresh mortar.

After granite unit pavers have been set, mortar shall be placed into the joints and struck smooth.

The Contractor shall protect the granite unit pavement 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.

Where defects in material or installation appear in the completed work, such areas shall be removed to the full depth of the course and the defective material replaced with new for the required thickness of pavement at no expense to the State.

METHOD OF MEASUREMENT

This work will be measured for payment as the number of square meters of Granite Unit Pavement satisfactorily furnished and installed.

BASIS OF PAYMENT

The unit price bid for Granite Unit Pavement shall include the cost of furnishing all labor, materials, and equipment necessary to satisfactorily complete the work.