

ITEM 11608.51 M - GRANITE PLAQUES

DESCRIPTION. This work includes furnishing and installing granite plaques in accordance with the plans, specifications, and directions of the Engineer or Regional Landscape Architect.

MATERIALS. Unless otherwise specified, materials required for this work include the following:

Granite: Granite shall be "Barre Grey" as manufactured by American Monument Company, Englewood, N.J., (800) 666-8636; "Sierra White" as manufactured by Cold Spring Granite of Cold Spring, MN. (800) 551-7502, 'Mt. Airy White', as manufactured by North Carolina Granite of Mt. Airy, N.C. (800) 227-6242, or approved equal, reasonably uniform in quality and texture throughout, free from an excess of mica and feldspar, and free from seams, scales, or evidence of disintegration. The Contractor shall submit duplicate samples of all colors and finishes to be used to the Regional Landscape Architect for approval prior to purchase.

Concrete: Concrete shall be Class A Concrete as specified in NYSDOT Standard Specification Section 501.

Mortar: Mortar shall be a Latex modified mortar, Type M (ASTM C-270). Admix shall be Laticrete 8510 or approved equal.

Joint Filler: Joint filler shall be premoulded resilient joint filler as specified in NYSDOT Standard Specification Subsection 705-07.

Primer: Primer shall be Sikaflex 429 primer, Sonneborn 733 primer, or approved equal. The primer shall be formulated for use with the joint sealant to be used.

Bond Breaker: Bond breaker shall be as recommended by the manufacturer of the joint sealant to be used.

Joint Sealant: Joint sealant shall be a self-leveling two-component polyurethane-based elastomeric sealant such as Sikaflex 2C, SL sealant, Sonolastic SL2 sealant, or approved equal. Color of sealant shall match the color of the adjacent pavement unless specified otherwise. The Contractor shall submit duplicate samples to the Regional Landscape Architect for approval prior to purchase.

Sikaflex products are manufactured by Sika Corp., Lyndhurst, N.J., (800) 933-7452. Sonolastic products are manufactured by Sonneborn and Chem Rex, Inc., (800) 433-9517.

CONSTRUCTION DETAILS. The Fabricator shall submit a shop drawing indicating the proposed lettering style, text, line work, textures, and finishes to the Regional Landscape Architect for approval prior to fabrication.

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The Contractor shall compact the subgrade prior to placing granite plaques or concrete foundations for granite plaques. The Contractor shall set plaques to meet proposed finished grades. Unless otherwise specified, installed plaques shall be perfectly flush with adjacent finished grades.

The Contractor shall thoroughly remove all dirt, loose particles, asphalt, tar, paint, wax, waterproofing, and curing compounds from all joints between plaques and adjacent hard surfaces prior to placing joint filler, primer, bond breaker, and joint sealant.

The Contractor shall mask the tops of plaques and adjacent hard surfaces with masking or painter's tape prior to coating joints with primer, installing the bond breaker, or pouring joint sealant.

The Contractor shall install sealant in accordance with manufacturer's instructions. Unless recommended otherwise by the manufacturer, minimum temperature during installation shall be 5 degrees Celsius, and installation shall be as follows:

The Contractor shall fully mix the two components of the sealant prior to pouring. The Contractor shall pour sealant into joints in one direction and allow it to flow and level out as necessary. Joints shall be filled from the bottom to prevent air voids. The Contractor shall tool the sealant lightly to smooth out ripples and maximize adhesion to the sides of joints. If bubbles form, he/she shall wait 5-10 minutes before tooling to break the bubbles. The Contractor shall remove excess sealant and clean adjacent surfaces promptly as the work progresses. Masking shall be removed after each filled joint is approved by the Engineer. The Contractor shall then do whatever additional cleaning is necessary to give a clean, finished appearance to the work as required by the Engineer.

METHOD OF MEASUREMENT. The quantity of granite plaques to be paid for under this item will be the number of square meters of exposed granite plaque surface, measured to the nearest 0.1 square meter, that is furnished and installed in accordance with the contract documents and to the satisfaction of the Regional Landscape Architect and the Engineer.

BASIS OF PAYMENT. The unit price bid for granite plaques shall include the cost of all labor, materials, and other incidentals needed to complete the work described by the contract documents including excavation, concrete foundation, granite, joint filler and sealant.