

ITEM 15502.5001 M - GROOVE CONCRETE PAVEMENT

Description: Under this item, the surface of the concrete pavement shall be grooved longitudinally at the locations shown on the contract plans and in accordance with the Contract documents or as ordered by the Engineer.

Materials: Not specified.

Construction Details: Grooved areas shall begin and end at lines normal or radial to the pavement center line and shall be centered within the lane width. Grooving blades shall be 0.095 millimeters wide + 0.003 millimeters and shall be spaced 19 millimeters on centers. Highway pavement grooving shall be cut not less than 4.8 millimeters nor more than 7.9 millimeters deep. Bridge slab grooving shall be cut not less than 3.2 millimeters nor more than 4.8 millimeters deep.

The selected area of pavement (highway or bridge) specified to be grooved, shall have not less than 95 percent of its area actually grooved. Any portion of the selected area not grooved, shall be due only to irregularities in the pavement surface and for no other reason.

Slurry from the grooving operation shall not be permitted to accumulate on adjacent lanes to the extent that it would create a slippery or hazardous condition. Residue resulting from grooving operations shall be continuously removed from pavement surfaces. Pavement must be immediately left in a washed clean condition, free of all slipperiness from the slurry, etc. All debris and surplus material removed from the grooving operations shall be deposited in a truck or other conveyance and removed from the project. The slurry shall not be disposed of in the existing drains or on the slopes of the roadway, but must be removed from the project and disposed of by the Contractor.

All existing transverse joints shall be inspected prior to the grooving operation, and if deemed necessary by the Engineer, the Contractor shall reseal the existing joint sealer and thoroughly secure in place by suitable hand or machine tools.

Method of Measurement: Pavement grooving shall be measured by the actual square meters of concrete pavement grooved.

Basis of Payment: The unit price bid per square meter shall include all labor, materials and equipment necessary to complete the work. The unit price shall include the resealing of existing transverse joint sealers as well as the supplying of water and the removal of residue as necessitated by the grooving operation .