

ITEM 609.2820—10 - MODIFY EXISTING CONCRETE CURB

DESCRIPTION

Under this item the Contractor shall modify the shape of the existing concrete curb by reducing the height of the existing curb, then constructing a new concrete curb cap to the remaining existing curb at the locations indicated on the plans or as ordered by the Engineer.

MATERIALS

Materials for the concrete curb cap shall meet the requirements of Subsection 609-2.

CONSTRUCTION DETAILS

The Contractor shall decrease the height of the existing concrete curb to a maximum of 25 mm above the existing pavement by grinding or milling the top section of the existing curb with a machine approved by the Engineer. If satisfactory results, as determined by the Engineer, are not achieved, the milling or grinding operation shall immediately cease and the Contractor shall then submit a revised method of reducing the curb for approval by the Engineer. Sawcutting of the existing concrete curb will not be permitted for this operation.

All residues resulting from the curb removal operations shall be removed from the construction site and disposed of by the Contractor.

The Contractor shall provide equipment to control dust and any other particulate matter created by the curb removal operation. This equipment shall be subject to the approval of the Engineer.

The Contractor shall also provide equipment to pick up the removed material without producing an objectionable amount of dust, as determined by the Engineer. This equipment shall be subject to the approval of the Engineer.

All surfaces, which are to have new concrete placed on it, shall be scoured or abraded with a suitable tool to remove all loose and foreign materials. After the surface preparation, the concrete surface and all porous surfaces to be in contact with new concrete shall be thoroughly wetted, to achieve a saturated surface dry condition, using potable water for 12 hours with soaker hoses or the use of burlap/burlene/etc., to maintain moisture. If conditions or the situation prohibits this, then the surfaces should be wetted for as long as possible. The Contractor shall remove any puddles of free-standing water with oil-free compressed air, and protect the surfaces from drying, so the existing concrete remains in a clean, saturated surface-dry condition until placement of the new concrete. Immediately before placing the new concrete, the forms shall be drawn tightly against the concrete already in place

The new concrete curb cap shall be formed as shown in the plans in accordance with Subsection 609-3.04.

Expansion joints 18 mm in width shall be formed with Premoulded Resilient Joint Filler at intervals shown on the plans or specified by the engineer.

METHOD OF MEASUREMENT

This work will be measured as the number of linear meters of modified curb placed, measured along the top front arris line of the curb.

BASIS OF PAYMENT

The unit price bid per linear meter shall include the cost of furnishing all labor, materials, and equipment necessary to complete this work including backfill, preparation of subgrade, reducing height of existing curb and placement of concrete cap.