

## **ITEM 01609.35 - REPAIR EXISTING CONCRETE CURB**

### **DESCRIPTION:**

Under this item the Contractor shall repair the shape of the existing concrete curb by bonding 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.

Premoulded resilient joint filler shall meet the requirements of Subsection 705-07.

Portland cement mortar bonding grout shall meet the requirements of Subsection 705-22.

### **CONSTRUCTION DETAILS:**

All surfaces which are to have new concrete bonded to it are to be cleaned thoroughly to remove all loose concrete, dried slurry, paints, dirt, grease or any other objectionable material.

Portland cement mortar bonding grout shall be applied to the existing curb that remains, as indicated in the plans or as specified by the Engineer. The consistency of the grout shall be such that it can be applied to the prepared surfaces in a thin (approximately 3 mm), even coating that will not run or puddle in low spots. The bonding grout shall be vigorously and thoroughly broomed or brushed into the prepared surface with stiff nylon bristle brooms or brushes. Care shall be exercised to ensure that all surfaces to be in contact with new concrete receive a uniform coating.

The surface shall not be intentionally wetted. Whenever the surface is wet, all free standing water shall be removed prior to application of grout.

Placement of the grout must be coordinated with the concrete placement so that the grout does not show signs of drying before the concrete is placed over it. The grout shall not be spread over such an area that it dries to a light gray color before placement of the concrete. Time before drying will depend on atmospheric conditions and should be determined on the job.

If the grout is allowed to dry, or if it has cracked or debonded, then the concrete placement shall be stopped, the grout removed by sandblasting, or other means approved by the Engineer, and new grout placed.

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

Expansion joints 19 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 repaired curb, 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 the work including backfill, preparation of subgrade and placement of concrete cap.