

**ITEM 0100701**

**RESET RADIUS GRANITE CURB**

**DESCRIPTION**

This item shall include removing existing radius granite curb, saw cutting and excavating for, furnishing and placing new concrete foundation, resetting the existing granite curb to line and grade, furnishing and placing concrete and processed traprock foundation/backfill, caulking curb joints, working all necessary pavement repairs and grading behind the curb where necessary. This item may also include stockpiling, pickup, and delivery of existing curbs from other locations as determined by the Engineer. There will be no additional cost for stockpiling, pickup, and delivery of existing curb to other locations.

**REFERENCED ITEMS**

Items 0100101, 0103703, 0102801

**REQUIRED SUBMITTALS**

Certified Test Report:

Submit 5 copies of certified test reports for Caulking Compound in accordance with the contract general requirements.

**MATERIALS**

1. **CEMENT CONCRETE**

All materials for this work shall conform to the requirements of Section M.03 of the State of Connecticut, Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 816, 2004, for Class "C" concrete.

2. **PROCESS TRAPROCK**

All process traprock material used for curb foundation and backfill shall conform to the material requirements of Item 0103703.

3. **CAULK**

Caulking compound shall be a material which complies with ASTM C-920, Type S, Grade NS, Class 25 sealing compound, polyurethane based

elastomeric, single component, and moisture cured sealant, capable of 25% joint movement. The color of the compound shall be cement mortar gray

## **CONSTRUCTION METHODS**

### **1. EXCAVATION**

The Contractor shall excavate on both sides of the curb to be set. The street pavement shall be removed to a width of at least 6" in front of curb to facilitate proper setting and backfilling. Bituminous concrete and macadam pavement in front and back of the curb shall be cut neatly before excavation to minimize pavement damage.

Where concrete base pavement is encountered, saw cutting the concrete base will be included in this item.

Excavation for this shall also include removal of all old concrete or other foundations encountered.

### **2. SETTING CURB**

The curb shall be reset to line and grade established by the Engineer. Maximum variation from established line and grade shall be 1/4". The finished curb shall present a neat appearance free from irregularities of line and grade.

All blocking used to hold the curb in place should be removed before backfilling is completed.

### **3. FOUNDATION AND BACKFILL**

Cement concrete shall be placed as foundation and backfill around the curb in accordance with the drawings. The Contractor may use a very stiff mix and shall spade and tamp to eliminate all voids, especially under the curb.

Where a concrete surface is to be placed behind a curb, the concrete backfill shall be placed in back of the curb to 5" below top of curb for 5" concrete sidewalk and 8" below top of curb for sidewalk ramps as applicable. In front of the curb to the base of the pavement encountered, which is 5" below gutter grade for flexible base and 9" below top of curb for rigid base.

Where bituminous surface is to be replaced behind the curb, concrete backfill shall be placed in back of the curb to 6" below top of the curb. New

processed trap rock shall be placed on top of the concrete to 2" below the top of the curb. New processed trap rock shall be placed on top of the concrete to 2" below the top of the curb and shall be thoroughly compacted.

**4. CAULKING CURB JOINT**

All curb joints shall be filled with caulking compound with either pneumatic or ratchet hand gun or with other equipment as approved by the Engineer.

**5. PAVEMENT REPAIR**

The following applies where the entire roadway is not to be resurfaced. The edge of the pavement shall be trimmed to neat straight lines not less than 12" from the face of the curb and shall be painted with hot asphalt cement. The face of the curb below gutter grade shall also be painted with hot asphalt cement of viscosity grade AC-20 as specified under Item 0100101.

Hot mix bituminous concrete of the mix approved by the Engineer, shall be furnished and placed in two layers to repair the pavement. The bottom layer shall be thoroughly compacted to smooth surface matching existing pavement and using all steel tamps or a motor driven vibratory compactor with water dispensing equipment designed for use on bituminous concrete. The joint between the patch and the existing pavement shall be sealed with hot asphalt cement.

**METHOD OF MEASUREMENT**

This work will be measured for payment in linear feet of radius granite curb installed, measured and accepted.

**BASIS OF PAYMENT**

Work will be paid for at the contract unit price per linear foot for "RESET RADIUS GRANITE CURB" installed and accepted, including all materials, saw cutting equipment, tools, and incidental work.

<b><u>PAY ITEM</u></b>	<b><u>DESCRIPTION</u></b>	<b><u>PAY UNIT</u></b>
0100701	Reset Radius Granite Curb	LF