

SECTION 630—PLAIN CEMENT CONCRETE CURB

630.1 DESCRIPTION—This work is construction of plain cement concrete curb.

630.2 MATERIAL—

- Class A Cement Concrete—[Section 704](#)
- Class A Cement Concrete (Slip-Forming)—[Section 704](#), except with a maximum slump of 38 mm (1 1/2 inches).
- Premolded Expansion Joint Filler—[Section 705.1](#)
- Covers for Curing and Protection—[Section 711.1](#)
- Curing Compound—[Section 711.2\(a\)](#)
- Mortar—[Section 1001.2\(d\)](#)
- Caulking Compound—[Section 705.8](#)
- Reinforcement Bars—[Section 709.1\(a\)](#)

630.3 CONSTRUCTION—As shown on the [Standard Drawing RC 64M](#), as specified in [Section 501.3](#), and as follows:

(a) Excavation. Excavate as required. Remove existing curb, pavement, and sidewalk to neat lines when indicated., then compact the material, upon which the curb is to be constructed, to a firm even surface.

(b) Forms. Use acceptable metal forms specified in [Section 501.3\(d\)](#), use wood forms on sharp curves and short tangent sections. Use forms that will not discolor the concrete.

(c) Placing, Finishing, and Curing Concrete. Conform to weather restrictions for concrete placement specified in [Section 501.3\(b\)](#). Place the concrete in the forms in layers not exceeding 130 mm (5 inches) in depth when spading, or layers not exceeding 380 mm (15 inches) in depth when using a vibrator to eliminate voids. Provide drainage openings through the curb, at the elevation and of the size required, where indicated or directed. Smoothly and evenly finish the top surface of the curb using a wood float. While the concrete is still plastic, round the edges of the face and back of the curb. Place depressed curbs for drives or curb ramps, where indicated or directed. Place bars as indicated for depressed curb at drives as specified in [Section 1002.3](#). Cure concrete as specified in [Section 501.3\(l\)](#)

(d) Curb Machine. The concrete curb may be placed with an acceptable, self-propelled machine. Uniformly feed the concrete to the machine so that it maintains the shape of the section without slumping after extrusion.

The Representative will not allow voids or honeycomb on the surface of the finished curb. Immediately after extrusion, perform any additional surface finishing.

(e) Joints. Form or saw contraction joints to dimensions shown on [Standard Drawing RC 64M](#) and as specified in [Section 501.3\(i\)2](#). Place 19 mm (3/4-inch) premolded expansion joint material conforming to the cross-sectional area of the curb where indicated and at the end of the workday. Do not place expansion joint material at Type C precast inlet tops.

Prepare and caulk joints according to caulking manufacturer's recommendations.

(f) Removal of Forms. Do not remove forms until such time that it will not be detrimental to the concrete. Correct irregular surfaces by rubbing with a carborundum stone. Do not brush finish or plaster. Fill minor defects with mortar.

(g) Backfilling and Embankment. As soon as possible after the removal of forms, backfill the voids in front and back of the curb, using acceptable embankment material, as specified in [Section 206.3\(b\)4](#).

Complete embankments in back of raised curbs, as indicated, and as specified in [Section 206.3](#), except carefully compact the embankment by means of mechanical tampers, or rollers, if permitted, not exceeding 7.3 tonnes (8 tons).

Replace existing pavement and sidewalk damaged or removed during construction.

Dispose of unsuitable and surplus material.

(h) Curb Modification. Modify curb construction within existing pavement limits and existing structures, where indicated or directed. Drill holes and insert dowel bars with nonshrink mortar, as required.

630.4 MEASUREMENT AND PAYMENT—Depressed curb will be measured and paid for as full depth curb of the type indicated.

(a) Plain Cement Concrete Curb. Meter (Linear Foot)

(b) Plain Cement Concrete Curb, Including Removal of Existing Curb. Meter (Linear Foot)

(c) Class I Excavation. [Section 203.4](#)