

SECTION 609 CURB AND GUTTER

609.01 **DESCRIPTION** – Delete the text of this subsection and substitute the following:

This work consists of constructing a concrete rolled curb, curb or a combination of concrete curb and gutter along the proposed roadway, where indicated on the plans.

609.02 **MATERIAL** – Delete the text of this subsection and substitute the following:

- a. Bed Course. Bed course shall be compacted coral base conforming to subsection 301.02.B.
- b. Concrete and materials for concrete reinforcing steel, formwork, and joint filler shall conform to Section 601.
- c. Sub-base and Backfill. Backfill and sub-base material shall be compacted coral sub-base conforming to subsection 301.02.A.

CONSTRUCTION REQUIREMENTS

609.03 **GENERAL** – Revise this subsection as follows:

Perform structure excavation, bed course, and backfill work under Section 209. Place and compact the coral base bed course to the thickness indicated on the plans. Compact the base bed course and sub-base course to not less than 95 percent of its maximum dry density and check-in-place density as specified in subsection 301.05.B.

609.05 **CONCRETE CURB, OR CURB AND GUTTER -**

a. Cast-in-Place.

1. Contraction Joints. Amend the paragraph to read as follows:

Construct rolled curb, curb or curb and gutter in sections of uniform 20 feet lengths. Construct contraction joints 1/2 inch wide with intervals as shown in the plans. Use metal divider plates. When the rolled curb, curb or curb and gutter is constructed adjacent to or on concrete pavement, match the contraction joints in the pavement.

2. Expansion Joints. Amend the paragraph to read as follows:

Form expansion joints at intervals of 20 feet using a 0.50-inch-thick preformed expansion joint filler. Place and set dowels also as indicated on the plans. Where the curb is constructed adjacent to or on concrete pavement, match

the expansion joints in the pavement.

Delete the ensuing paragraph and add the following:

3. Forms.

Forms shall extend the full depth of the concrete. Forms shall be clean, straight, and free from warp with sufficient strength to resist the pressure of the concrete without displacement. Bracing and staking of forms shall be such that the forms remain in both horizontal and vertical alignment until their removal. All forms shall be cleaned and coated with an approved releasing agent before the concrete is placed.

Forms shall be left in place for 24 hours or until the concrete has set sufficiently so that the forms can be removed without injury to the curb or curb and gutter.

4. Finishing.

The concrete shall be struck off the cross-section specified. Finish the concrete smooth and even by means of a wood float. No plastering will be permitted.

5. Curing.

Immediately upon completion of the finishing, the curb or curb and gutter shall be moistened and kept moist for three (3) days or the curbing or curb and gutter shall be cured by use of a membrane forming material of which the method and details of curing are subject to the approval of the Contracting Officer.

b. Slip-Formed.

Add the following:

Obtain approval from the Contracting Officer to perform this work method. Complete the first 20 feet of curb or curb and gutter as a test section to demonstrate the ability to build the concrete section meeting the requirement of this method. Do not continue construction until the 20 feet test section is approved and accepted by the Contracting Officer.

Should the test section not meet the approval of the Contracting Officer or should the Contractor not be able to demonstrate the ability to construct concrete section using the slip-form method to meet the approval of the Contracting Officer, then the Contracting Officer can reject the in-place concrete section and require the Contractor to construct the curb or curb and gutter using the cast-in-place procedures. Removal of the disapproved section and altering the construction procedure to that of "Cast-in-Place" shall be at no extra cost to the Contracting Officer.

Delete the last paragraph of this subsection and substitute the following:

The method by which the contraction and expansion joints are constructed by using the slip-form procedure is subject to the approval of the Contracting Officer.

609.09 ACCEPTANCE – Delete the text of this subsection and substitute the following:

- a. Structure excavation, bedding, and backfill work will be evaluated under Section 209.
- b. Bed course material will be evaluated under subsection 301.02.B with in-place field density test under subsection 301.05.B.
- c. Subbase course and backfill material will be evaluated under subsection 301.02.A. with in-place field density test under subsection 301.05.B.
- d. Concrete and all other materials for concrete construction will be evaluated under Section 601.
- e. Construction of curb and gutter will be evaluated under subsections 106.02 and 106.04.

609.10 MEASUREMENT – Delete the text of this subsection and substitute the following:

Measure rolled curb, concrete curb or curb and gutter by the linear foot, in place, along the front face of the curb including excavation, bedding, concrete, and backfill work.

Include the transition from rolled curb to curb and gutter as part of the measurement for curb and gutter.

609.11 PAYMENT – Revise this subsection as follows:

The accepted quantities will be paid at the contract price per unit of measurement for the Section 609 pay items listed in the bid schedule. Payment will be full compensation for the work prescribed in this Section. See Subsection 109.05.

Payment will be made under:

Pay Item No.	Pay item	Pay Unit
60901	Concrete Rolled Curb, complete-in-place	Linear Foot
60902	Concrete Curb, complete-in-place	Linear Foot
60903	Scour Protection, complete-in-place	Linear Foot

END OF SECTION 609