

Amend **Section 609 - Curb and/or Gutter** to read as follows:

"SECTION 609 - CURB

609.01 Description. This work includes constructing curb according to the contract.

The contract designates the Type 2 as cast-in-place concrete curb.

609.02 Materials. Materials shall conform to following:

Bed Course Material for Sidewalks & Curbing	703.16(A)
Joint Fillers	705.01
Joint Mortar	705.02
Reinforcing Steel	709.01

Concrete for curb shall conform to Section 601 - Structural Concrete and shall be Class A.

Weed killer shall be a nonemergent and nonselective type, EPA approved for highway application, and suitable for use under the designed thickness of pavements. The materials shall be free of solvents or other substances deleterious to the pavement. Application rates shall be at the highest recommended dosage stated on the label. The Contractor shall submit a sampler label containing the pertinent data for acceptance by the Engineer before use.

Concrete mixes and manufactured curb materials will be subject to inspection and tests at the plants for compliance with the quality requirements.

The condition of materials will be subject to inspection for acceptance before or during incorporation of materials into the work.

609.03 Construction Requirements.

(A) Cast-in-Place Concrete Curb.

(1) Excavation. Excavate to the required depth and compact the base to a firm, even surface. Remove and replace soft and unsuitable material with suitable material so that the Contractor can compact thoroughly.

(2) Forms. Forms shall be of wood or metal, straight, free from warp and of construction that there shall be no interference with the inspection of grade or alignment.

Forms shall extend for the entire depth of the curb and/or gutter. Brace and secure the forms sufficiently so that no deflection from alignment or grade shall occur during the placing of the concrete.

(3) Placing of Concrete. Place the concrete according to Section 503 - Concrete Structures. Moisten the subgrade and forms thoroughly ahead of placing concrete.

Broom finish exposed surfaces longitudinally. The Contractor may require special trowels to shape curbs.

(4) Sections. Construct curb in sections having a uniform length of 15 feet. Separate the sections by weakened plane joints approximately one-eighth inch wide.

(5) Expansion Joints. Form the expansion joints at the intervals shown in the contract using a preformed expansion joint filler having a thickness of 0.5 inch.

Construct expansion joints in curb at structure abutments and at the ends of returns. Do not construct expansion joints within 20 feet of a traffic island nose.

Shape expansion joints filler to the cross section of the curb.

(6) Curing. Immediately upon completion of the finishing, the Contractor shall:

- (a) moisten and keep the curb moist for three days or
- (b) cure the curb by using membrane forming material.

The method and details of curing will be subject to acceptance.

(7) Backfilling. After the concrete has set sufficiently, refill the spaces in front and back of the curb to the required elevation with suitable material. Tamp the material thoroughly in layers of not more than 6 inches.

(8) **Curb Machine.** With the acceptance of the Engineer, the Contractor may construct the curb by using a curb-forming machine.

(9) **Construction Joints.** Build construction joints in cast-in-place curbs:

(a) when the delays are greater than 45 minutes between two consecutive batches in concrete operations,

(b) at the end of each day of pouring, or

(c) when specified by the Engineer.

Build the construction joints according to the details shown in the contract and shall coincide with the spacing of weakened plane joints. Coat the dowels for the joints uniformly with a thin film of heavy lubricating oil immediately before placement of concrete at the joint. Support the dowels firmly during concrete placement. The forms shall remain in place until the Contractor resumes concrete operations on the other side of the joint.

609.04 Method of Measurement. The Engineer will measure curb per linear foot. The Engineer will measure along the front face of the curb at the finished grade elevation.

609.05 Basis of Payment. The Engineer will pay for the accepted curb at the contract unit price per linear foot.

The price includes full compensation for removing and disposing the existing curb; excavating; reconstructing the damaged and/or excavated pavement section according to the contract; backfilling; installing reinforcing steel; furnishing, placing and compacting the bed course material; installing expansion joint material and weakened plane joint; and furnishing labor, materials, equipment, tools, and incidentals necessary to complete the work.

The Engineer will make payment under:

Pay Item	Pay Unit
Curb, Type _____	Linear Foot"

END OF SECTION