

SECTION 755 HOT-MIX, HOT-LAID BITUMINOUS CONCRETE CURB

755.01 Description. This work consists of constructing a machine laid hot-mix, hot-laid bituminous concrete curb.

755.02 Materials. All materials including job mix formula, mixing plant, and transportation and delivery of mixture shall conform to the requirements of [Section 823](#), Type D, except that from 0.25 to 0.50% of the total mix weight of an approved synthetic fiber shall be added. The fiber shall not ball or melt during mixing and shall provide sufficient mix cohesion to prevent slumping or breaking of the extruded curb during placement.

CONSTRUCTION METHODS.

755.03 General. Hot-mix, hot-laid bituminous concrete curb shall be constructed by machine methods on an approved surface as shown on the Plans, or as ordered by the Engineer.

The surface where the curb is to be placed shall be kept clean and free from dust until the curb has been placed. Unless otherwise directed, a fog coat of approved bitumen shall be sprayed prior to the placing of the curb.

755.04 Curbing Machine. The curbing machine shall form the curb to the dimensions shown on the Plans, or as directed by the Engineer, by a process of extrusion producing a homogeneous stable curb, free from honeycomb, and which requires no further compaction. The laying temperature and the percentage of bitumen shall be varied within the specified ranges to produce a mixture that passes through the mold without tearing and is stable enough to resist sloughing.

The curbing machine shall be operated in an uphill direction whenever practicable, as an aid to compaction.

755.05 Curb Construction. Curb construction shall be a continuous operation between concrete intake aprons and other concrete structures so as to eliminate curb joints at other locations.

Hand spreading will be permitted only immediately adjacent to the concrete structures and at ends of runs of curb. Hand spreading shall be performed in accordance with the pertinent provisions of Section 401. Contact surfaces of the concrete structures shall be painted with a thin uniform coat of hot bitumen just before the mixture is placed against them.

755.06 Inspection. Hot-mix, hot-laid bituminous concrete curb not constructed to the required lines, grades, or cross-sections, curb placed when the mixture is too hot or too cold, and curb that is otherwise unsatisfactory shall be removed and replaced with satisfactory curbing.

755.07 Method of Measurement. The quantity of hot-mix, hot-laid bituminous concrete curb will be measured in linear feet (linear meters) in place and accepted, measured along the curb from end to end, with appropriate deductions for concrete intake aprons.

755.08 Basis of Payment. The quantity of hot-mix, hot-laid bituminous concrete curb will be paid for at the Contract unit price per linear foot (linear meter). Price and payment will constitute full compensation for furnishing all materials, for placing the curb, for removing and replacing unsatisfactory curb, and for all equipment, labor, tools, and incidentals required to complete the work.