

SECTION 32 16 13

**CONCRETE CURB AND GUTTER**

**PART 1 - GENERAL**

**1.1 DESCRIPTION**

- A. This item shall consist of Reinforced CONCRETE CURB AND GUTTER constructed on approved subgrade in conformity with the lines and grades established by the City Engineer. CONCRETE CURB AND GUTTER shall also be in accordance with the standard section, specifications and ordinances for sidewalks adopted by the city in which CONCRETE CURB AND GUTTER is to be placed.

**1.2 MEASUREMENT AND PAYMENT**

- A. Concrete curb and gutter shall be measured by the linear foot of length when complete and in place.
- B. The work performed and the materials furnished and measured shall be paid for at the contract unit price bid for concrete curb and gutter. This shall include full compensation of all materials, labor, tools, equipment and incidentals necessary to complete the work. Payment will not be made for unauthorized work.

**1.3 SUBMITTALS**

See SECTION 03 30 00 - CONCRETE.

**PART 2 – PRODUCTS**

**2.1 MATERIALS**

This item shall consist of a mixture of reinforcing steel, coarse aggregate, fine aggregate, cement and water. The mixture shall conform to SECTION 03 30 00 - CONCRETE.

**2.2 TESTING REQUIREMENTS**

See SECTION 03 30 00 - CONCRETE.

**PART 3 – EXECUTION**

**3.1 CONSTRUCTION METHODS**

- A. CONVENTIONALLY FORMED CONCRETE: Shape and compact subgrade, foundation, or pavement surface to the line, grade and cross section shown on the plans. Lightly sprinkle subgrade or foundation material immediately before concrete placement. Pour concrete into forms, and strike off with a template ¼ to 3/8 inches less than the dimensions of the finished curb unless otherwise approved. After initial set, plaster surface with mortar consisting of 1 part hydraulic cement and 2 parts fine aggregate. Brush exposed surfaces to a uniform texture.

- B. EXTRUDED OR SLIP FORMED CONCRETE: Hand tamp and sprinkle subgrade or foundation material before concrete placement. Provide clean surfaces for concrete placement. If required, coat cleaned surfaces with approved adhesive or coating at the rate of application shown on the plans or as directed. Place concrete with approved self-propelled equipment. The forming tube of the extrusion machine or the form of the slip form machine must be easily adjustable vertically during the forward motion of the machine to provide variable heights necessary to conform to the established grade line. Attach a pointer or gauge to the machine so that a continual comparison can be made between the extruded or slip form work and the grade guideline. Other methods may be used when approved. Finish surfaces immediately after extrusion or slip forming.
- C. JOINTS: Unless otherwise shown on the plans, the walk shall be cut transversely with a jointing tool every ten (10) feet after the concrete has been thoroughly worked and has sufficiently set. Expansion joints shall be located every forty (40) feet.
- D. CURING: After the finished concrete has sufficiently set, it shall be covered with burlap and kept wet for a period of four (4) days. As an alternate the concrete may be cured by the application of a clear membrane seal coat that will retain 85% of the original mixing water at the end of three (3) days.
- E. CLEANUP: After the construction work has been completed, the Contractor shall remove all debris, trash, excess materials, forms, stakes, empty sacks, etc. occasioned by his work from the premises. The site shall be left with a neat appearance. All excavation shall be backfilled and all excess excavated materials shall be disposed of.

**END OF SECTION**