



6510 - 1 DESCRIPTION

- 1.01 The work shall consist of concrete curbs and concrete curbs and gutters with or without reinforcing steel, constructed at the locations and in conformity with the lines, grades, and dimensions shown on the plans or designated by the Engineer.
- 1.02 Curbs shall include barrier, mountable, and depressed types.
- 1.03 Curbs shall be depressed for driveways and lanes.

6510 - 2 MATERIALS

- 2.01 The materials for concrete shall comply with the requirements for Concrete (Specification 6500).
- 2.02 The Contractor shall supply and pay for all materials, including forms.

6510 - 3 CONSTRUCTION

Removing Existing Curb, Curb and Gutter, and Driveway

- 3.01 Existing curbs, curbs and gutters, and driveways shall be removed in accordance with the requirements for Removal of Concrete Curbs, Sidewalks, and Driveways (Specification 2165) and/or Removal of Timber Sidewalks and Driveways (Specification 2170).

Excavating

- 3.02 The bed for the curb and curb and gutter shall be excavated and prepared to the lines, grades, and cross sections shown on the plans or designated by the Engineer. Unsuitable material shall be removed and disposed of as designated by the Engineer.
- 3.03 Except where the curb and curb and gutter is placed on sub-base, a layer of granular or other approved material shall be placed, to form a bed, in accordance with the requirements for Granular Backfill (Specification 6600). The bed shall be thoroughly wetted before the concrete is placed.

Forming

- 3.04 Forms shall be constructed and removed in accordance with the requirements for Concrete (Specification 6500).
- 3.05 The outside form dimensions shall be not less than the depth of the curb or the curb and gutter.

Reinforcing

- 3.06 Reinforcing steel shall be placed as specified on the plans. If it is necessary to splice the bars, they shall be lapped a minimum of thirty centimetres (30 cm).

Mixing, Placing, Finishing, and Curing Concrete

- 3.07 The concrete shall be mixed, placed, finished, and cured in accordance with the requirements for Concrete (Specification 6500).

Constructing Joints

- 3.08 Joints shall be constructed at intervals shown on the plans or in accordance with the requirements for Concrete (Specification 6500).

Backfilling

- 3.09 Earth backfill shall be placed between the curb or curb and gutter and the adjacent property line or sidewalk on an Extra Work basis. Exposed surfaces of the backfill shall be neatly trimmed.
- 3.10 Earth backfill may be required for medians. The backfilling shall be performed on an Extra Work basis. If subbase, base, and bituminous surface course materials are used to backfill medians, the specification for the material used shall apply. The materials shall be spread and compacted on an Extra Work basis. If necessary, a prime coat shall be placed on the sub-base or base course in accordance with the requirements for Bituminous Prime, Tack, and Flush Coat (Specification 4000). Bituminous binder sprayed on the curb shall be removed by the Contractor at no direct expense to the Department. The finished surface of the median shall be smooth and free of any irregularities.

Surface Treatment

- 3.11 All exposed concrete surfaces shall be uniformly sprayed or painted with a protective sealing solution. The surfaces to be treated shall be thoroughly cleaned and dry before applying the sealing solution. Two applications of sealing solution shall be prepared and applied as follows:
- (a) The first application shall consist of a mixture of fifty (50) percent boiled linseed oil and fifty (50) percent kerosene applied at a minimum rate of one litre (1L) per nine square metres (9 m²).
 - (b) The second application shall consist of one hundred (100) percent boiled linseed oil applied at a minimum rate of one litre (1L) per twelve square metres (12 m²) at least twenty-four (24) hours after the first application and only after the first application has thoroughly dried.

6510 - 4 MEASUREMENT

- 4.01 Curb and Curb and Gutter will be measured along the front face of the curb, in metres.
- 4.02 The length of depressed curb will be measured between the high points of the taper.

6510 - 5 PAYMENT

- 5.01 Payment for CONCRETE CURB and/or CONCRETE CURB AND GUTTER will be at the contract unit price per metre as specified on the tender form. The unit price will be full compensation for excavating the bed; forming; unloading, storing, handling, and placing the reinforcing steel; mixing, hauling, placing, curing, and finishing the concrete; constructing joints; removing forms; applying a protective sealing solution; and supplying all materials.
- 5.02 Payment for granular backfill will be in accordance with the requirements for Granular Backfill (Specification 6600).
- 5.03 Payment for removal of curbs, curbs and gutters, and driveways will be in accordance with the requirements for Removal of Concrete Curbs, Sidewalks and Driveways (Specification 2165) and/or Removal of Timber Sidewalks and Driveways (Specification 2170).

- 5.04 Payment for prime coat will be in accordance with the requirements for Bituminous Prime, Tack, and Flush Coat (Specification 4000).
- 5.05 Payment for sub-base, base, and surface courses used for backfilling medians will be at the contract unit prices in accordance with the requirements for the commodities used. Payment for spreading and compacting the materials will be performed on an Extra Work basis.