



6505 - SPECIFICATION FOR CONCRETE SIDEWALKS AND DRIVEWAYS

6505 - 1 DESCRIPTION

- 1.01 The work shall consist of concrete sidewalks and driveways, 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 The work shall include integral concrete curb and sidewalk and integral concrete curb and driveway.

6505 - 2 MATERIALS

- 2.01 The material for concrete shall comply with the requirements for Concrete (Specification 6500).
- 2.02 The Department will supply and pay for the portland cement, joint filler, admixtures, and reinforcing steel.
- 2.03 The Contractor shall supply and pay for all other materials, including forms.

6505 - 3 CONSTRUCTION

Removing Existing Curb, Sidewalk, and Driveway

- 3.01 Existing curbs, sidewalks, 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 sidewalk and driveway 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 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 sidewalk or driveway.

Reinforcing

- 3.06 Reinforcing steel shall be placed as specified on the plans. If it is necessary, to splice 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). If specified in the special provisions, a protective surface coating shall be applied to all exposed concrete surface.

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 sidewalk or driveway and the adjacent curb or property line on an Extra Work basis. Exposed surfaces of the backfill shall be neatly trimmed.

Protecting Sidewalks and Driveways from Traffic

- 3.10 If required concrete surfaces subject to damage by animal, pedestrian, or vehicular traffic, shall be protected. Sidewalks and Driveways shall be protected from animal and pedestrian traffic for a period of not less than twenty-four (24) hours. Driveways shall be protected from vehicular traffic for a period of not less than seven (7) days.

Openings

- 3.11 Expansion joints shall be constructed around public utilities located in the curb, sidewalk, or driveway. A mark shall be placed in the concrete to mark the location of all public utilities under the sidewalk or driveway.

6505 - 4 MEASUREMENT

- 4.01 Concrete Sidewalks and Driveways will be measured in square metres. The actual surface area will be measured.
- 4.02 The length of depressed concrete driveways will be measured between the high points of the taper.

6505 - 5 PAYMENT

- 5.01 Payment for CONCRETE SIDEWALKS and/or CONCRETE DRIVEWAYS will be at the contract unit price per square metre. The unit price will be full compensation for preparing the bed; forming; unloading, storing, handling, and placing the reinforcing steel; mixing, hauling, placing, finishing, and curing the concrete; removing forms; constructing joints; and supplying all materials except portland cement, admixtures, joint filler, and reinforcing steel.
- 5.02 Payment for INTEGRAL CONCRETE CURB AND SIDEWALK and/or INTEGRAL CONCRETE CURB AND DRIVEWAY will be at the contract unit price per square metre. The unit price will be full compensation for preparing the bed; forming; unloading, storing, handling, and placing the reinforcing steel; mixing, hauling, placing, finishing, and curing the concrete; removing forms; constructing joints; and supplying all materials except portland cement, admixtures, joint filler, and reinforcing steel.
- 5.03 Payment for granular backfill will be in accordance with the requirements for Granular Backfill (Specification 6600).
- 5.04 Payment for removal of concrete curbs and sidewalks 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).