

**DESCRIPTION**

Under this item, the CONTRACTOR shall furnish all labor, material and equipment necessary to construct concrete sidewalk and driveways in the locations shown on the plans and as directed by the ENGINEER. The work shall conform to the requirements of NYSDOT Section 608 with the following modifications:

**MATERIAL**

Concrete Sidewalks and Driveways -

The material requirements and composition shall comply with the specification for Class K concrete and proportioned as follows:

**Class K Concrete Mix Design**

Cement	564 lbs/cy
Air Content	5% to 7%
Slump Range	2" to 3"
Coarse Aggregate Type	CA 4 **
Minimum 28-Day Strength	3,500 psi

\*\* Type CA 4 aggregate shall conform to NYSDOT 703-02 except as modified below:

**Type CA 4 Gradation**

Sieve Size	% Passing
1 1/2"	100
1"	95 to 100
1/2"	25 to 60
No. 4	0 to 10
No. 8	0 to 5

Concrete sand shall conform to NYSDOT 703-01 except as modified below:

**Concrete Sand Gradation**

Sieve Size	% Passing
3/8"	100
No. 4	95 to 100
No. 8	80 to 100
No. 16	50 to 85
No. 30	25 to 60
No. 50	10 to 30
No. 100	2 to 8

The CONTRACTOR and supplier, in consultation with the ENGINEER, shall determine the proper mix proportions for all concrete.

Curing Compound -

**ITEM C608.0101            CONCRETE SIDEWALK AND DRIVEWAY**

Curing compound shall be applied in accordance with NYSDOT Section 608.

**CONSTRUCTION DETAILS**

**General**

The general construction details for manufacturing, transporting and placing concrete shall be in accordance with NYSDOT 501, 502 and 608 except as modified herein:

Unless otherwise indicated in the Contract Documents, welded wire mesh reinforcement will not be required.

The concrete shall be placed in one course to the full depth shown in the Contract Documents.

Transverse joints shall be a minimum of ¼ the slab thickness and spaced at intervals 5’ on center, so that the finish sidewalk will be marked in squares, unless otherwise indicated on the plans or as directed by the ENGINEER.

Transverse joints shall be saw cut or tooled with a max width of ½ inch, excluding the rounded edges of the jointing tool.

Construction joints shall be placed at a 25’ maximum spacing and shall have edges finished with an edging tool having a ¼” radius.

Premolded joint filler shall be installed at all joints between sidewalk and buildings, curbing, pavement, etc.

The CONTRACTOR shall immediately apply an approved curing compound to new concrete surfaces in accordance with manufacturer’s recommendations and as ordered by the ENGINEER.

**METHOD OF MEASUREMENT**

Concrete sidewalk and driveway shall be paid for at the unit price bid per cubic yard.

**BASIS OF PAYMENT**

The work shall include furnishing all labor, materials, equipment and incidentals to complete the work as specified.

Payment will be made under:

<b><u>Item No.</u></b>	<b><u>Item</u></b>	<b><u>Pay Unit</u></b>
C608.0101	Concrete Sidewalk and Driveway	CY