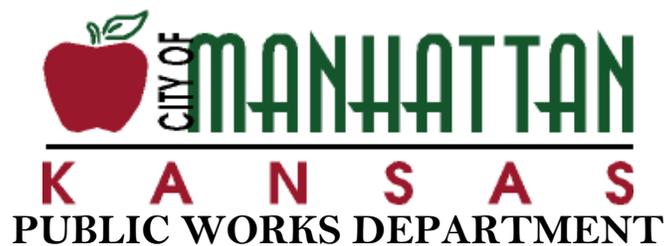


Division II
Section 2700
Construction in the
Public Rights-of-Way



**DIVISION II
CONSTRUCTION AND MATERIAL SPECIFICATIONS**

SECTION 2700 CONSTRUCTION IN THE PUBLIC RIGHTS-OF-WAY

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SECTION 2700
CONSTRUCTION IN THE PUBLIC
RIGHTS-OF-WAY
(SIDEWALKS AND DRIVEWAYS)

2700 SCOPE

Work under this section shall include construction of new sidewalks and driveways and replacement of existing sidewalks and driveways. Grades, widths, and thicknesses shall conform to the drawings. All sidewalks and driveway entrances shall be constructed in accordance with the ordinances of the City of Manhattan regulating streets, sidewalks and driveway entrances. Only first class materials and workmanship shall be employed to insure the finished work being of an acceptable quality. All sidewalks and driveways within public rights-of-way shall be Portland Cement concrete.

Where required, drainage structures shall be constructed to carry drainage under the sidewalk. In general, sidewalks for public use shall not be constructed to serve as a drainage structure.

No risers or steps shall be constructed closer than two (2) feet to either the inside or outside sidewalk line of a public sidewalk, except in the case of an abutting retaining wall on private property, in which case the distance may be one (1) foot on the inside sidewalk line.

All driveway crossings and locations where the sidewalk intersects a street shall be handicapped ramped. Ramps shall be constructed according to the Standard Details.

Upon completion of the work, the Contractor shall leave the entire area within the limits of the contract in a clean and sightly condition.

2701 MATERIALS

Upon the request of the City Engineer the Contractor shall provide three (3) copies of certified test reports indicating the material conforms to the specifications as outlined in the following sections. The manufacturer shall perform all tests in conformance with applicable standards. Testing may be witnessed by the City Engineer or approved independent testing laboratory.

All materials shall be stored so as to prevent deterioration or intrusion of foreign matter. No deteriorated or damaged material shall be used.

2701.11 Forms

Forms shall be free from warp, and of sufficient strength to resist springing out of shape. Metal forms are preferred, however, wood forms meeting the above

requirements will be accepted.

2701.2 Concrete

Concrete shall be the standard mix as described in Section 1.2 of STREETS AND PARKING LOTS.

2701.3 Reinforcing Steel

Reinforcing bars shall be grade 60 steel, and conform to ASTM A615, A616 or A617. If used, wire shall be cold drawn and conform to ASTM A82. Welded wire fabric shall conform to ASTM A185.

2701.4 Expansion Material

Expansion material shall be performed asphalt expansion joint filler.

2702 CONSTRUCTION

2702.11 Excavation and Compaction

The subgrade shall be thoroughly and uniformly compacted to a minimum density of 95% of maximum density as determined by the Standard Proctor Density Test.

2702.2 Forming

After the necessary excavation and compaction has been completed, the forms shall be set and well staked to the established line and grade. The upper edges of the forms shall conform to the finished grade of the work.

2702.3 Concrete Placement

Concrete shall be placed according to Section 2601.3.6 of "PAVING", and shall be protected from direct moisture or rain until after the initial set has occurred.

2702.4 Expansion Joints

Expansion joints shall be placed every 125 feet, and where sidewalks abut a structure or any-other obstruction. Expansion joints shall also be placed at handicapped. ramps as shown on the Standard Details. Expansion joints shall be constructed using pre-molded expansion joint material one-half (1/2) inch thick, and shall be the full depth of the sidewalk.

2702.5 Contraction Joints

Contraction joints shall be placed by cutting or grooving at the locations shown on the plans. When a specific joint layout is not provided, the sidewalk shall be jointed at intervals equal to the width of the sidewalk.

2702.6 Finishing

All slabs shall be uniformly rough to insure non-slip characteristics. This may be accomplished by using a stiff broom, burlap drag or other approved means.

2702.7 Curing

Sidewalks shall be cured with a waterproofing membrane as specified in Section 2601.3.8 of "PAVING".