



Department of Design and Construction

SPECIFICATION BULLETIN

SB

26-006

Title: **Subway Sidewalk Frames and Gratings**

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APPLICABILITY:

- This Specification Bulletin (SB) is effective for projects advertised on or after 5/12/2026.

SUPERSEDEENCE:

- This SB supersedes the following SBs: None.

ATTACHMENTS:

- Section 7.01 (3 pages)

REVISIONS TO THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION STANDARD HIGHWAY SPECIFICATIONS, DATED 5/16/2022:

All references contained below are to the New York City Department of Transportation Standard Highway Specifications, Dated May 16, 2022. Said Standard Specifications are hereby revised as follows:

- Refer to Section 7.01 – Subway Sidewalk Frames and Gratings
Delete in its entirety Section;
Substitute the revised Section in Attachment 1 (3 pages)

For questions regarding this bulletin, please contact Richard Jones, jonesri@ddc.nyc.gov.

SECTION 7.01 – Subway Sidewalk Frames and Gratings

7.01.1. INTENT. This section describes the replacement and/or reset of existing subway sidewalk gratings and frames where directed.

7.01.2. DESCRIPTION. Under this section, the Contractor must reset existing and/or replace existing worn or damaged subway sidewalk frames and gratings where directed; all in accordance with the Contract Drawings, the specifications, and the directions of the Engineer.

7.01.3. MATERIALS. Standard Frames and Gratings must be of a Press-Locked rectangular design, similar to Type “D” by IKG Industries , Type “19-DT-4” by Ohio Gratings Inc. and Type “15-4” by SlipNOT Metal Safety Flooring, or an approved equivalent, and must comply with the following requirements:

- (A) Material to be steel.
- (B) Main bars to be 2-1/2” x 3/16” spaced 15/16 inches center to center, except for heavy gratings which must be 4” x 1/4” spaced 1-3/16 inches center to center.
- (C) Cross bars to be of rectangular cross section having a depth of 1”, flush top, and spaced 2 inches center to center, except for heavy gratings which must be 1-1/2” x 3/16” spaced 2 inches center to center.
- (D) Main bars and cross bars to be slotted at their intersections so as not to remove excessive material from the load sustaining members.
- (E) Main bars to be “dovetail” slotted and have their slots solidly filled by the cross bars.
- (F) Grating and Frames must be hot dipped galvanized after fabrication.
- (G) Removable grating panels must be one (1) panel wide and provided with NYC Transit Authority (NYCTA) Standard locking device.
- (H) Grating frame supports must be of 2-1/2” x 2-1/2” x 1/4” angles with 1/2” diameter welded studs spaced 3 inches center to center.
- (I) Overall dimensions, details, directions of bearing bars, and number of panels must be in accordance with the Contract Drawings and the requirements of the NYCTA.
- (J) Grate surface areas must have a metallized friction treatment. The surface treatment must provide a minimum wet dynamic coefficient of friction of 0.42, measured per ANSI/NFSI B101.3. Metallic coatings such as Mebac from IKG Industries, OnGrip from Ohio Gratings Inc. ,SlipNot from SlipNOT Metal Safety Flooring, or approved equivalent products may be used to fulfill this requirement.

Cement grout must comply with the requirements of Section 3.06, Type 2.

Concrete must be Class B-32, Type IIA, in accordance with the requirements for concrete under Section 4.13, and pigmented where indicated and where required to match adjoining sidewalk.

7.01.4. CONSTRUCTION METHODS.

(A) GENERAL

A– work must be done in accordance with the requirements of the NYCTA and the directions of the Engineer.

Existing frames and gratings designated to be removed must become the property of the Contractor and must be removed and disposed of away from the site.

Existing subway construction designated to remain must be maintained and protected. Damage caused by the Contractor's operations must be repaired or replaced at the Contractor's own expense, to the satisfaction of the Engineer.

The Contractor must provide shields as required in the vent opening to prevent debris from entering the subway. Shop drawings showing the type and construction of shields must be submitted by the Contractor to the Engineer for approval.

Removable grating panels must be installed in the same location as existing panels.

Except for the removable grating panels, all other grating panels must have their ends grouted in place to their frame angles.

Where the Contractor is required to install gratings and/or frames that are provided by the NYC Transit Authority, the gratings and frames will be made available to the Contractor at a designated NYC Transit Authority Storage Yard.

(B) FURNISHING AND INSTALLING SUBWAY SIDEWALK GRATING

The Contractor must, where indicated on the Contract Drawings or ordered by the Engineer, carefully remove existing subway sidewalk gratings and replace them with new gratings.

Where the concrete in the periphery of the gratings is spalled or damaged, it must be repaired by the Contractor with epoxy mortar as shown on the Contract Drawings or as directed by the Engineer.

(C) FURNISHING AND INSTALLING SUBWAY SIDEWALK FRAMES & GRATINGS

The Contractor must carefully remove both existing subway sidewalk frames and gratings that are designated to be replaced and replace them with new frames and gratings.

New frames must be set true to line and grade, flush with the adjoining pavement, and cast in a concrete collar as indicated on the Contract Drawings or as directed by the Engineer.

7.01.5. MEASUREMENT. The quantities to be measured for payment under each item must be the number of square feet of sidewalk subway gratings satisfactorily installed, new or reset, measured within the frame perimeter.

7.01.6. PRICES TO COVER.

(A) INSTALL NEW OR RESET EXISTING SIDEWALK SUBWAY FRAMES AND GRATES

The contract price bid must be a unit price per square foot and must cover the cost of all labor, material, plant, equipment, and incidentals necessary to remove and dispose of existing sidewalk subway frames and gratings, and install new frames and grates, or remove and reset existing frames and gratings, all in accordance with the Contract Drawings, the specifications, and the directions of the Engineer.

Epoxy mortar repairs, when required, must be paid for under Item 7.0— - Epoxy Mortar Repairs.

(B) PICK-UP & DELIVER SIDEWALK SUBWAY FRAMES AND GRATES

The contract price bid must be a unit price per square foot and must cover the cost of all labor, material, plant, equipment, and incidentals necessary to pick-up sidewalk subway grates, with or without frames, from a designated NYC Transit Authority Storage Yard and deliver them to the site, in accordance with the specifications and the directions of the Engineer.

(C) FURNISH NEW SIDEWALK SUBWAY FRAMES AND GRATES

The contract price bid must be a unit price per square foot and must cover the cost of all labor, material, plant, equipment, insurance, and incidentals necessary to furnish new frames and gratings, complete with shop drawings, all in accordance with the Contract Drawings, the specifications, and the directions of the Engineer.

Payment will be made under:

Item No.	Item	Pay Unit
7.01 AB	INSTALL NEW OR RESET EXISTING SIDEWALK SUBWAY FRAMES & GRATINGS	S.F.
7.01 B	PICK-UP & DELIVER SIDEWALK SUBWAY GRATINGS	S.F.
7.01 C	FURNISH NEW SIDEWALK SUBWAY FRAMES AND GRATINGS	S.F.