

	Department of Design and Construction	SPECIFICATION BULLETIN	SB 24-001
Title: CEMENT, PORTLAND			
Prepared: 3/25/2024		Approved: 3/25/2024	
Mohammad Mahmud, P.E. Director, Specifications		How Sheen Pau, P.E. Associate Commissioner – Infrastructure Design	

APPLICABILITY:

- This Specification Bulletin (SB) is effective for projects advertised on or after 4/1/2024.

SUPERSEDEENCE:

- This SB supersedes the following SBs: **None.**

ATTACHMENTS:

1. *Section 2.10 (1 page)*

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 Highway Specifications are hereby revised as follows:

- a) **Refer** to Section 2.10 – Cement, Portland
Replace with the revised Section in Attachment 1.

REVISIONS TO THE NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARD SEWER AND WATER SPECIFICATIONS, DATED 8/8/2022:

All references contained below are to the New York City Department of Environmental Protection Standard Sewer and Water Specifications, Dated August 8, 2022. Said Standard Specifications are hereby revised as follows:

- a) **Refer** to Section 23.01.3, Add the following paragraph:
D.2.3 **DELETE** 2.3 of GS11 and **SUBSTITUTE** the following:
2.3 Cement
2.3.1 Cement must conform to the requirements of Section 2.10 in the NYCDOT Standard Highway Specifications.

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

SECTION 2.10 – Cement, Portland

2.10.1. This section describes Portland Cement.

2.10.2. (A) Portland Cement shall comply with the requirements of ASTM Designation C150 and shall be of the following types:

Type I	Normal
Type IA	Air-entraining Normal
Type II	Moderate Sulphate Resistant
Type IIA	Air-entraining Moderate Sulphate Resistant
Type III	High Early Strength
Type IIIA	Air-entraining High Early Strength
Type V	High Sulphate Resistant

(B) Type shall be as specified.

2.10.3. (A) Portland Cement shall be uniform in color. The brand shall have an established reputation of uniformity of character and have been successfully used in the United States for at least two (2) years unless otherwise approved by the Engineer.

Cement must be from a supplier and type on the current NYSDOT Approved List for Cement (701-01).

NYSDOT lot certifications must be kept at the plant for inspection by the Engineer.

(B) Portland Cement shall be stored in such a manner as to permit easy inspection and to protect the Portland cement from dampness and minimize warehouse set.

2.10.4 Blended Cements

(A) Blended cements may be used, provided that the following requirements are met:

1. The blended cement may be selected as part of the Contractor's means and methods, but must not change the material requirements – a blended cement may be used as a substitution to separate approved constituents.
2. Blended cements must be from NYSDOT Approved List 701-03.
3. For blended cements containing pozzolans or slag (Types IP/IS/IT): for the purposes of calculating Portland cement content in a concrete mixture, the portion of the blended cement that is Portland cement must be used, not the total amount of blended cement including the pozzolans or slag.
4. For Portland-Limestone cement (Type IL); the total amount of Type IL cement must be used for calculating Portland cement content in a concrete mixture.
5. Blended cements must be shown on the approved mix design. They may not be substituted in after approval.

(B) Unless explicitly noted otherwise or if directed by the Engineer, Type IL Portland-Limestone cement with the appropriate special property designations outlined in Table 3 of ASTM C595 may be substituted for all Portland cement specified in the NYCDOT Standard Highway Specifications.