



# Department of Design and Construction

SPECIFICATION BULLETIN

# SB

22-003

Title: **STANDARD HIGHWAY SPECIFICATIONS**

Prepared:

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Date

Approved:

5/16/2022

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Date

### APPLICABILITY:

- This Specification Bulletin (SB) is effective for projects advertised on or after 6/27/2022.

### SUPERSEDEENCE:

- This SB supersedes the following SBs: **SB 16-001, SB 17-004, SB 17-005, SB 17-006, SB 17-007, SB 17-008, SB 17-010, SB 18-001, SB 18-002, SB 19-002, SB 21-003, SB 21-004, SB 22-001, SB 22-002.**

### ATTACHMENTS:

1. *NYCDOT Standard Highway Specifications, 5/16/2022 (651 pages)*
2. *Change Log for Standard Highway Specifications Update 5/16/2022 (4 pages)*

The New York City Department of Transportation Standard Highway Specifications, Dated August 1, 2015 are hereby replaced with The New York City Department of Transportation Standard Highway Specifications, Dated May 16, 2022.

The attached change log is provided for convenience; the text of the specifications govern.

For questions regarding this bulletin, please contact Richard Jones, [jonesri@ddc.nyc.gov](mailto:jonesri@ddc.nyc.gov).

## Change Log for Standard Highway Specifications Update 5/16/2022

Sections	Description
General	Update abbreviations and references: - "AASHTO re:source" (formerly "AMRL") - ASTM International: "ASTM" - New York City Department of Design + Construction: "NYCDDC" - New York City Department of Environmental Protection: "NYCDEP" - New York City Department of Parks and Recreation: "NYCDPR" - New York City Department of Transportation: "NYCDOT" - New York City Fire Department: "FDNY" - New York City Police Department: "NYPD" - New York City Transit Authority: "NYCTA" - New York State Department of Transportation: "NYSDOT" - NYCDDC Quality Assurance Unit: "NYCDDC QA" (formerly "QACS")
General	Combine into one volume.
General	Formatting and spelling updates.
General	Update pronoun usage for compliance with NYCHRL
General	Update references to Fed 595 color standard to SAE AMS-STD-595.
General	Update references to city agencies and units, including phone numbers.
General	Where appropriate, update references from "cement" to "Portland cement".
General	Update web link addresses
Cover	Add web address and QR code for DDC specification website
1.06.3, 1.03.8, 1.06.23, 1.06.29, 1.06.48, 2.18.3, 3.01.3, 3.05.5, 3.05.9, 4.06.12, 5.02.2	Specification Bulletin SB 16-001
1.06.08	Add definitions for "shall", "Department", "Commissioner" and "City".
1.06.13.(K)	Update to current as-built document requirements.
1.06.15, 1.06.16, 1.06.21.(G)	Update references to the City.
1.06.18	Specification Bulletin SB 17-006
1.06.19	Specification Bulletin SB 21-004
1.06.22.(B)	Specification Bulletin SB 21-004
1.06.25	Specification Bulletin SB 19-002
1.06.31.(G)	Update to ASTM reference requirements.
1.06.31.(K)	Remove contradictory requirement.
1.06.44.(E)	Update MUCTD references.
1.06.45	Specification Bulletin SB 17-005
1.06.46	Remove old print requirements. Revise for FHWA & FTA compliance.
1.06.50	General revisions.
1.06.51	Clarify materials testing requirements for FHWA projects.
1.06.54	Remove sample Schedule A and reference.
1.06.55	Specification Bulletin SB 22-001
2.01	Numerous revisions and additions: - New: AASHTO, AASHTO re:source, Bag, Binder Course, Flag, Fly Ash, GGBFS, Hot Mix Asphalt, Microsilica, NYCDDC QA, NYSDOT, QA, QC, Spread, Top Course, Total Cementitious Materials (TCM) - Revised: Aggregate, Asphalt, Asphalt Emulsified, Asphaltic Cement, Concrete, Consistency, MC, Mineral Aggregate in Bituminous Mixture, Pavement, RC, Sieve, Sieve Analysis, Slump, Surface Moisture, Water Cement Ratio - Removed: Asphalt Liquid, Flux, Penetration
2.02	- Add NYSDOT Approved List requirements to 2.02.3.(A). - Remove old 2.02.3.(C). - Add Friction requirements.
2.05	- Update to require NYSDOT PG binders. - Add temperature and storage requirements
2.06	Update granite mechanical testing requirements.
2.09	Update to require NYSDOT approved admixtures, clarify material for anti-freeze.
2.10	Update to require NYSDOT approved cement, allow blended cement.
2.11	Add new Section 2.11, include ground glass pozzolan.
2.12	- Expand to include slabs. - Add approved list of granite sources. - Add examples of acceptable and unacceptable granite grain. - Update granite mechanical testing requirements.
2.15.2	Allow joint filler from NYSDOT Approved List 705-07

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Sections	Description
2.19	2.19.4 (E ) correct cross reference.
2.21	- Add NYSDOT Approved List requirements to 2.21.3.(A). - Remove 2.21.3.(E) through (G).
2.23.4	Add new Subsection for epoxy coated bars
2.25.4	Correct ASTM reference.
2.26	Revise entire section.
2.28	Add new Section 2.28
2.30	Add new Section 2.30
3.01.3.(B)	- Update to mix design change and field testing requirements. - Fix typos and clarify Table 3.01-I. - Replace note 3 on Table 3.01-I - Update asphalt plant lot testing requirements
3.01.3.(C)	Clarify stockpile requirements for cross-contamination.
3.01.3.(C), 3.01.3.(F), 3.01.3.(F), 3.01.3.(H), 3.01.3.(J)	General update to RAP requirements, moisture testing requirements.
3.01.3.(E)	Delete last paragraph, duplicate from 3.01.3.(B)
3.04.4	Update to material source change approval requirements.
3.05.2, 3.05.8	Moved old 3.05.2.(B) into 3.05.8.(A)
3.05.3.(E)	Revise to work with new Section 2.11.
3.05.4	- Update to formula / mix design change requirements - Update pozzolan requirements. - Add mix design requirements for accelerants used per Section 9.04
3.05.5	- Move Table 3.05-V to 5.04, move notes from table to under Table 3.05-II - Reformat data in Table 3.05-IV, update number of samples required. - Move Table 3.05-VI to Section 3.05.5, Add reference for Note 1, Revise sidewalk slump requirements, add Note 2 (previously from 4.04.3)
3.05.6	Revise requirements to line up with NYSDOT requirements
3.05.7.(A)	Add NYSDOT MM 9.1 requirements for stockpiles
3.05.7.(C)	Table 3.05-VII: Change water and admixture batching to by weight only
3.05.7.(E)	Update requirements for batch tickets
3.05.8.(D)	Add max mixing rev requirement for microsilica mixes
3.05.8.(F)	Add sidewalk and concrete base to mobile mixer uses
3.5.10	Update document reference
3.10	Add new Section 3.10
4.01	- Remove references to not used Class 1 & Class 2 bases, Class 1 surface course. - Replace duplicative info with references back to 3.01 specifications. - Clarify density measurement specification. - Escalate credit value for no tack coat. - Updates for formatting and clarity - Require tack coat between all layers of asphalt
4.02, 7.12	Specification Bulletin SB 17-008
4.02	- Remove temporary asphalt requirements, refer to new Section 3.10 - Add requirement that no paving may be performed in the rain. - Update roller requirements to match NYSDOT requirements - Updates to test strip requirements - Remove 4.02.4.(S) - Updates for formatting and clarity - Escalate credit value for no tack coat. - Revise tack coat application rates to match Section 6.58 (remove 1/2 rate application), and make tack mandatory in all applications.
4.04.3	Remove duplicative strength, pozzolan, and slump requirements.
4.04.3	Remove duplicative gradation requirements.
4.04.4.(G)	- Revise blanketing requirements - Remove paragraph allowing placement in rain.
4.05.3.(A)	Remove duplicative gradation requirements.
4.05.3.(F), 4.05.5.(T), 4.05.5.(U)	Revise Joint Sealer requirements.
4.05.4.(B)	Revise paver width requirements
4.05.5.(A)	Remove duplicative mix design requirements.
4.05.5.(B)	Update blanketing requirements
4.05.5.(F), (G), (H)	Remove references to tamping concrete pavement.
4.05.5.(G)	Change reinforced pavement to single layer pour with reinforcing on chairs

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Sections	Description
4.05.5.(I)	Revise finishing requirements
4.05.5.(K).1	Update texturing for full width pavements
4.05.5.(L).2	Clarify transverse contraction joints are not grooves
4.05.5.(O)	Revise duration for maintaining fencing
4.05.5.(V)	Revise article title
4.06.6.(B)	Require conveyors approved by the Engineer
4.06.6.(D)	Prohibit aluminum chutes
4.06.6.(E)	Add line breaks for clarity
4.06.6.(F)	Add minimum pipe size
4.06.7.(D)	Replace entire article
4.06.8	Revise article, placement in rain no longer allowed.
4.06.15	Add "quality control"
4.10	Add new Section 4.10
4.11.3.(A)	Clarify gradation testing.
4.11.2.(H)	Clarify payment of excavation and filling of highway drains.
4.11.7.(C)	Clarify measurement of 4.11 BAA
4.13.3.(A)	Break into three paragraphs
4.13.3.(B)	Remove duplicative strength, air, and slump requirements.
4.13.6	Add items 4.13 AR, 4.13 FR
4.13 DWS	- Specification Bulletin SB 17-011 - Specification Bulletin SB 21-003
4.14	Add item 4.14 E, and associated specifications.
4.15SS.2.C	Update ASTM Reference
4.15SS.5	Revise material sample size.
4.16	General Updates, including: - Pest and disease control requirements. - NYCDPR Permit Requirements. - Green Infrastructure references. - Planting requirements. - Plant establishment. - Updated pay item list.
4.17	General Updates, including: - Pest and disease control requirements. - NYCDPR Permit Requirements. - Green Infrastructure references. - Planting requirements. - Plant establishment. - Updated pay item list.
4.18	Remove references to maintenance.
4.18 DC	Add new Section 4.18 DC
4.21	Update Tree Consultant minimum qualifications & independence requirements.
5.01.1	Clarifications throughout to clarify that the Contractor is only responsible for QC testing
5.02.(C)	Add additional requirements for samples on FHWA funded contracts.
5.04.(F),(R)	Revise asphalt quality deductions for density, gradation, AC content.
5.04.(H)	Delete subsection
5.04.(L)	Move Table 3.05-V and language from 5.04.(H), clarify that the strength reduction table is intended solely for payment purposes
5.04.(S)	Clarify completion timeline
5.04.(T)	Clarify completion timeline
5.06	Add new Section 5.06
5.07	Add new Section 5.07
5.37	Add new Section 5.37
6.02.2	Revise description in 1st paragraph.
6.02 PA	Add new Section 6.02 PA
6.02 PB	Add new Section 6.02 PB
6.09.6	Add items to list.
6.23, 6.70	Specification Bulletin SB 17-004
6.23.4.(I)	Add new subsection 6.23.4.(I)
6.26	Clarify pay vs. no-pay timber curb movement.
6.27	Add pay item 6.27 A
6.27.4.(D)	Clarify completion timeline

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Sections	Description
6.29	Add new Section 6.29
6.30	Revise for compliance with NYSDOT Beam Rail Specifications
6.34 A	Add new Section 6.34 A
6.39	Specification Bulletin SB 17-007
6.39	Replace entire section.
6.40	Specification Bulletins SB 17-003, SB 22-002
6.40 TFS	Remove Section 6.40 TFS
6.41.4	Clarify language
6.43	Specification Bulletin SB 17-005
6.43	- Update label requirements, move Photo Log to separate subsection. - Update file naming requirements
6.44	Add specifications for preformed reflectorized pavement markings. Add pay items 6.44 L and 6.44 S
6.44 CST	Add new Section 6.44 CST per SB 18-002.
6.44 PO	Remove Section per SB 18-002
6.52CG.5	Correct page references.
6.55.3	Add a table clarifying which sawcuts are payable and which are no separate payment.
6.59P.3	Update references to NYSDOT Standard Sheets
6.59 P	Add pay item 6.59 PF
6.59 P	Clarify pay vs. no-pay temporary barrier movement.
6.67MAC	Specification Bulletin SB 17-010
6.70.5	Removed "plastic cones" from list in 2nd paragraph.
6.70.5.(B).2	Update FHWA references.
6.70.13	Add Uniformed Flagpersons to overrun list.
6.75	Add new pay item 6.75 A
6.77	Add new Section 6.77
6.84	General revisions changing the item from just lollipop style bus stop signs to more types of bus signs.
6.97	Add new Section 6.97
7.07	Add new Section 7.07
7.13	Specification Bulletin 21-003
7.18	Add pay item 7.18 CM-V
7.29	Add new Section 7.29
7.36	Clarify pay vs. no-pay pedestrian barricade movement.
7.50	Add new Section 7.50
7.50 FLB	Add new Section 7.50 FLB
7.50 ILB	Add new Section 7.50 ILB
7.88	Specification Bulletins SB 17-002, SB 18-001
7.88.4	Additional clarification regarding baiting in sewers and manholes.
8.01, 8.01 C1, 8.01 C2, 8.01 H, 8.01 S, 8.01 W1, and 8.01 W2	Add new Sections 8.01, 8.01 C1, 8.01 C2, 8.01 H, 8.01 S, 8.01 W1, and 8.01 W2
8.32	Add new Section 8.32
852	Add new Section 8.52
8.52 FP	Add new Section 8.52 FP
8.52 PT	Add new Section 8.52 PT
8.52 WSF	Add new Section 8.52 WSF
9.04	Update requirements for anti-freeze material
9.05	Add new Section 9.05
9.06	Add new Section 9.06
9.07	Add new Section 9.07
9.32	Add new Section 9.32