

Significant Changes In CDOT's 2025 (combined 2024, 2025) Standard Specifications For Road And Bridge Construction

The following are significant changes from the 2023 Standard Specifications Book to the new 2025 Standard Specifications Book. Most changes were previously adopted by CDOT's Specification Committee as standard special provisions and have been applicable to projects under construction since their adoption.

The following general changes have been made:

As part of CDOT's ADA efforts, the Standard Specifications are compliant with the Web Content Accessibility Guidelines (WCAG).

The following items have been revised:

- “ALL” capitalized words edited to “Capitalize each word”

DIVISION 300 BASES	Division 300 Bases
SECTION 304 AGGREGATE BASE COURSE	Section 304 Aggregate Base Course
DESCRIPTION	Description

- Every “Basis of Payment” list is an accessible table, with header and alternate text.
- Table of Contents and Index have accessible table headers.

With the 2025 edition, we are changing our publishing schedule from digital online in August, effective October 1, to digitally available the first week of May, effective July 1. This will be our new “normal” schedule.

The following Sections of the Specification Book contain significant revisions:

Significant Changes to the 2024 Standard Specifications

Specification Sections with Significant Changes	What was Changed (by Subsection Number)
101.02 <i>Definitions</i>	<p>Added:</p> <p>Build America, Buy America (BABA) Requirements. Buy America (BA) Requirements. Buy America Preferences for Infrastructure Projects. Component. Cost of Components for Manufactured Products. Infrastructure Project. Iron or Steel Product. Manufactured Product. Manufacturer. Predominantly of iron or steel or a combination of both. Produced in the United States. Section 70917(c) Materials.</p> <p>Revised</p> <p>Construction Material. Subcontractor. Supplier.</p>
101 and 106 <i>Buy America and Build America, Buy America Requirements - Less than \$500,000 in Federal Aid Highway or State Only Funding</i> <i>Sep '24 revised again</i>	Clarification on usage/applicability of the Buy America (BA) and Build America, Buy America (BABA) requirements on projects based on updated FHWA Q&As related to the Small Grants Waiver that was approved in August 2023. Instructions to designers have been updated to reflect that this SSP would be utilized on all projects (CDOT and LA) that contain less than \$500K in federal-aid highway funding. This SSP would replace the two current SSPs below. Minor edits to the content of the specification have been included to provide clarity on applicability of BA/BABA for projects meeting criteria for use of this specification based on feedback from projects.
105 <i>Control of Work</i>	105.05 (g), after I/DP calculation, twenty new paragraphs added
	105.07 Removed and replaced with revised subsection.
	105.20 Failure to Maintain Roadway or Structure - revised "In-kind" and "Modified" Repairs

Specification Sections with Significant Changes	What was Changed (by Subsection Number)
	(i) Dispute Review Board Recommendation - revised
	105.24 Claims for Unresolved Disputes - Removed and replaced
105 Asphalt Mat Density Dec 24	Clarified that a change in mix design or pavement layer will require a new Process. Replaced the fifth paragraph of Subsection 105.
106 Control of Material	106.01 Remove and Replace, due to BA and BABA revisions
	106.06 (a) Process Control Testing - Remove and Replace
	106.11 Buy America (BA) and Build America, Buy America (BABA) Requirements - Remove and Replace
106 Control of Material Sep 24	<p>Added language to require the retention of an additional set of samples from the Check Testing Program to be used in the CP-17 dispute process.</p> <p>CP-17 has been updated to ensure all regions are following the same process for asphalt testing disputes. Part of this update requires that the additional samples are taken during the CTP described in 106.05 (c).</p>
106 Check Testing Dec 24	Revised Section 106.06 (d). Dec '24
106 and 412 Recycled Concrete Aggregate in PCCP Sep 24	<p>New addition to address aggregate quality for recycled concrete aggregates.</p> <p>Additional quality control to help ensure more successful use of RCA.</p>
107 Water Quality Control	CDPHE has released a new general construction permit (COR400000) known to CDOT as the CDPS-SCP. The implementation date for this new permit is April 1, 2024, for all permitted projects.
208, 213, and 216 Construction Permit Water Quality	CDPHE has released a new general construction permit (COR400000) known to CDOT as the CDPS-SCP. The implementation date for this new permit is April 1, 2024, for all permitted projects.

Specification Sections with Significant Changes	What was Changed (by Subsection Number)
<i>208 and 625 Permanent Water Quality Survey</i>	<p>The change is adding Specification 625.04 - Permanent Water Quality As-Built Survey and maintaining the original location, Specification 208.10(b). The change in this review is as follows:</p> <ol style="list-style-type: none"> 1) Deleting language referring to partial payment to resolve conflict with Specification 109.02 Scope of Payment. 2) Previously, the 208.10 revision was already accepted by the Spec Committee. <p>The changed Specification 208.10 (b) adds explanatory language regarding:</p> <ol style="list-style-type: none"> a) Requirements for as-constructed surveys of permanent water quality control measures designed with the Water Quality Capture Volume standard, b) Rectifying missing information in the as-constructed survey, c) Rectifying construction errors that deviate from approved plans.
<i>213 Mulching</i> Sep 24	<p>Both hay and straw material amounts were previously located in the SWMP Template. This change is to remove the amounts from the SWMP Template and include them in the Specification. In 212.02, add the minimum length of material.</p>
<i>401 Plant Mix Pavements-General</i> Sep 24	<p>Clarified that the paver specific requirements in this section are only applicable to pavers manufactured prior to 2007. Newer pavers have eliminated the need for the "kits" mentioned in the specification.</p>
<i>412 Portland Cement Concrete Pavement</i>	<p>412.24 Remove 8th paragraph after the Basis of Payment Table</p>
<i>412 Powered Screeds</i> Dec 24	<p>Revised Subsections 412.07 (b) and 412.12 (a).</p>
<i>601 Structural Concrete</i>	<p>Subsection 601.02 Classification - Add 2nd sentence, When an optimized gradation is used for any class of concrete, the Shilstone, Tarantula or Power-45 optimization method shall be used.</p> <p>Class P, delete first sentence, "The Required Field Flexural Strength shall be 650 psi.", renumber</p>

Specification Sections with Significant Changes	What was Changed (by Subsection Number)
	601.17 Acceptance and Pay Factors - remove and replace (c),(d), remove (e); renumber (f) thru (h) to (e) thru (g).
602 and 709 <i>Galvanic Anodes</i> Dec 24	Added info to Section 602 and to new Subsection 709.04.
<i>603 - MHT Signature Requirements</i> Dec 24	Revised Subsection 630.10 (a).
<i>613 Lighting</i>	<p>613.02, New - Add of Subsection 613.02 (d) for pull box material requirements.</p> <p>Revised - Renumber existing Subsections 613.02 (d) through (n) to 613.02 (e) through (o), respectively.</p> <p>New - Add Subsection 613.08 for pull box construction requirements.</p> <p>Revised - Revise Subsection 613.14 (renumbered as 613.15) to add pull box items that shall not be paid for separately and included in the work.</p>
<i>627 Pavement Marking</i>	Revised table 627-1 to update ranges for high build (15 Mil) pavement marking paint for bead application rates.
<i>627 Pavement Marking (Temporary)</i> Mar 25	<ol style="list-style-type: none"> 1) For consistency, "stripe(s)" was changed throughout the specification to " pavement marking(s)". 2) Additional language to Glass Beads was added to the Construction Requirements - General - to emphasize the retro-reflective requirements in Section 105. 3) Procedures for items paid by the gallon were added to the Construction Requirements - General to clarify the methods, calibrations and verifications required and acceptable for payment. 4) Method of Measurement was revised to add clarity and reinforce the revised procedures in the Construction Requirements. 5) Additional language was added to Basis of Payment to include calibration and verification costs to be included in the work. 6) Included the Special Provision revision dated 4/2/24, table 627-1.
<i>701 Hydraulic Cement</i>	701.06 New - Add Rapid Hardening Cement
<i>709 Reinforcing Steel and Wire Rope</i>	709.01 Update AASHTO reference to M335 in first table.

Specification Sections with Significant Changes	What was Changed (by Subsection Number)
<i>711 Concrete Curing Materials and Admixtures</i>	711.03 add a sentence, "Citric acid for use with ASTM C1600 cement shall be provided in liquid form with 49-52% solids."
<i>713 Retroreflectors and Drum and Tubular Marker Sheeting Requirements</i> Dec 24	Revised Subsection 713.10.
<i>715 Conduit and Pull Box Revisions</i> Dec 24	Revised Subsection 715.07

Following is a list of standard special provisions incorporated into the 2025 Standard Specifications:

Standard Special Provisions

incorporated into the 2025 Standard Specifications for Road and Bridge Construction

- Revision of Section 101, Definitions and 106 - Control of Materials
- Rev. of Section 101 & 106 - Buy America & Buy America, Build America Requirements for projects Containing \$500,000 or more in Federal Aid Highway Funding
- Revision of Section 105 - Control of Work
- Revision of Section 105 - E-Signature
- Revision of Section 105.05 Asphalt mat density
- Revision of Sections 105, 106, 412, and 601, PCCP Acceptance
- Revision of Section 106.05 Sampling and Testing of HMA
- Revision of Section 106.06 (d) Check Testing
- Revision of Sections 106 and 412 Recycled Concrete Aggregate in PCCP
- Revision of Section 107 - Water Quality Control
- Revision of Sections 208, 213, and 216 - Construction Permit Water Quality
- Revision of Section 208 and 625 - Permanent Water Quality Survey
- Revision of Section 213 Mulching Corrections
- Revision of Section 401 Plant Mix Pavements - General (401.10 Asphalt Pavers)
- Revision of Section 412 - Removal and Replacement of Concrete Pavement
- Revision of Section 412 Powered Screeds
- Revision of Section 601 - Concrete Acceptance
- Revision of Section 602 - Galvanic Anodes
- Revision of Section 613 - Lighting Pull Box
- Revision of Section 627 - Pavement Marking Paint (Temporary)
- Revision of Section 630.10 MHT signature

- Revision of Sections 701 and 711 - Rapid Hardening Cement
- Revision of Section 709 - Steel Welded Wire Fabric
- Revision of Section 713.10 Drum and Tubular Marker Sheeting
- Revision of Section 715.07 Conduit and Pullbox