2024 STANDARD SPECIFICATIONS DIGEST

October 21, 2024

The 2024 edition of the California Department of Transportation Standard Specifications is based on U.S. Customary units.

The 2024 edition of the Department's Standard Plans is to be used in conjunction with the 2024 edition of the Department's Standard Specifications.

The 2024 edition of the Department's Standard Specifications was developed by incorporating the following revisions:

Standard S	pecification	Revisions
Standard Specs	A10-21-24	Section 1-1.06. Revised abbreviation table to include "AGT" for "Approach Guardrail Transition" and "LON" for "length of need". Revised Offices of Structure Design to Offices of Bridge Design. Revised to add ITP, JIT, PDR, PDR-EA, and PDR-FA to the abbreviations table.
		Section 1-1.07. Deleted definition for Structure Design.
		Section 1-1.11. Added Quail software website link.
		Section 2-1.11. Replaced 2-1.11 RESERVED with 2-1.11 IN-USE OFF- ROAD DIESEL-FUELED VEHICLE LIST and incorporated SSP 2-1.11 into the Standard Specifications.
		Section 2-1.33B. SSP 2-1.33B was canceled and incorporated into the Standard Specifications. This change includes the addition of one row to each of the four tables. The row that was added to each table reads: "In-Use Off-Road Diesel-Fueled Vehicle List".
		Section 5-1.15. Replaced RESERVED heading with SAFETY REPRESENTATIVE and added <i>Reserved</i> under the title to accommodate currently approved SSP.
		Section 5-1.35. Replaced RENEWABLE DIESEL REQUIRED USE heading with RESERVED due to cancellation of SSP 5-1.35.

Section 6-1.06. Revisions to Buy Clean California Act requirements. Section 7-1.11A. Revised to state that current form FHWA-1723 is to be physically included in subcontracts and lower tier subcontracts. Section 7-1.11B. Replaced form FHWA 1273 in section 7-1.11B with form FHWA 1273 dated October 23, 2023. SSP 7-1.11B was canceled. Section 9-1.17C. Revised 2nd paragraph to allow Contractor's responses to the proposed final estimates to be issued electronically. Section 11-1. New section 11-1.06 created for PROCEDURE QUALIFICATION TESTS and renumbered existing section 11-1.06. Section 13. Revised to remove specific requirements for Lake Tahoe projects (moved to SSP 13-15). Revised Storm event definition. Changed annual report fixed price to \$3,000. Section 18-1.02B(4). Revised to integrate the footnotes of the first two tables into the introductory clauses. Section 19-4.01. Revised the GENERAL requirements for rock excavation. Section 20-1.03B. Revised requirements for granular preemergent for clarity. Section 20-2.01C(2). Revised removal of rock and debris requirements for clarity. Section 20-3.01B(3). Added Reserved section 20-3.01B(3)(b).

Section 20-5.03A(2). Revised requirements for preemergent and incorporated SSP 20-5.03A(2) content into the Standard Specifications. Section 20-5.03B. Revised rock blanket submittal and construction requirements. Section 20-10.02A(1). Updated the section reference for work performed on existing irrigation facilities. Section 20-10.02C(3). Revised the 2nd paragraph of the section for clarity. Section 21-2.01C(2). Revised submittal requirement in the 1st paragraph. Section 21-2.02K. Replaced Reserved in this section by incorporating SSP 21-2.02K. Section 21-2.02P. Added additional requirements for fiber roll in the 1st paragraph and separated the 1st paragraph into two. Section 21-2.02Q. Replaced Reserved in this section by adding requirements for compost socks. Section 23-1. Added specifications for drying basement soils to the MATERIALS, CONSTRUCTION, and PAYMENT sections. Section 24-2.01D(1)(c). Added exceptions for test specimens based on CT 373. Section 30-1.01D(4). Revised quality control requirements for laboratories performing sampling and testing for recycled pavement bases.

Section 30-4. Revised to specify new requirements for full depth recycling cement. Section 30-5. Replaced RESERVED section with section 30-5 PARTIAL DEPTH RECYCLING. Section 37. Revised sections 37-1.01D(2), 37-3.01A(3), and 37-5.03A to use business day instead of day. Revised multiple subsections of section 37-4 and added new section 37-4.04 FOG SEALS FOR EXISTING PAVEMENT. Section 39-2. Replaced AASHTO T 308 with AASHTO T 308 (Modified), AASHTO T 27 with AASHTO 30, provided clarification on Department acceptance test results, and revisions to other sections. Section 40-1. Removed references to coefficient of friction from the section. Section 40-1.03D. Removed requirement for cutting and removing temporary spacer wires for installing dowel bars. Section 41. Removed references to coefficient of friction from the section. Section 42-3. Removed references to coefficient of friction from the section and revised section 42-3.01D(3) for pavement smoothness acceptance requirement. Section 46-1.01C(3): Updated instructions to access Quail Software, compile and submit soil nail and ground anchor test data to the Department. Section 46-2. Revised notation "FTL" to "PTL" and revised "Factored Test Load" to "Test Load".

Section 48. Revised the minimum horizontal load from 5% to 10% to comply with AASHTO. Section 49-2. Revised section to generally require AWS D1.1 for all welding of structural shape steel piling, steel sheet piling and steel soldier pile. Section 49-2.02. Revised the Department's "Office of Structural Materials" to "Office of Materials Management and Independent Assurance" and corrected references for sections not applying to shop welding. Section 49-2.05. Revised reference for Steel Sheet Piling to include compliance with ASTM A572/A572M. Section 49-3.02A(4)(d). Reorganized section by adding new subsections. Section 49-3.02B(6)(D). Replaced Reserved with new specifications for water slurry. Section 49-3.02C(1). Revised to include CIDH piling requirements for center-to-center pile spacing less than 4 pile diameters. Section 49-3.02C(5). Revised requirements for probes as gamma-gamma probes with a 1-1/4-inch diameter are no longer manufactured. New probes have a larger diameter. The rigid cylinder specified in section 49-3.02C(5) was adjusted to 1-3/8inch diameter. Section 51-1.03C(2)(c)(iii). Revised language to align with design assumptions ensuring that common edges of permanent steel deck forms are mechanically tied together. Section 51-2.02. Added Reserved subsections for Bonded Joint Seals and Neoprene Strip Seal Glands.

Section 51-2.02B(3)(b). Added new requirements for cutting grooves. Section 51-4.02D(4). Revised requirements to exclude plasma cut bolt holes in closure wall panels. Section 52-2.01. Deleted the submittal requirements for Epoxy Powder Test Samples. Section 55. Revised various sections for Steel Structures. Section 58-2. Compressive strength requirements for mortar and grout were updated. Revised the reference standards for compressive strength testing from CBC 2010 for consistency with CBC 2019 and TMS 602. Section 60-3.03B(2). Revised the test method for volatile content to ASTM D2369, Method E in the table. Section 60-3.04B(3)(b). Revised the methacrylate resin application rate. Section 62-12.02A. Added reference to concrete anchorage device section to compliment revision to Std Plan D118. Section 65-1.04. Revised payment method of rounding up to the nearest 2-foot increment for increased clarity. Section 66-1.02C. Replaced Protective Coatings, Linings, and Paving heading with Protective Coating. Removed bituminous and asphalt mastic coatings, linings, and pavings as a protective option for corrugated metal pipes.

Section 67-2.02B. Removed bituminous and asphalt mastic as protective coating options for structural steel plate pipe, arches, and pipe arches. Section 70-5.05. Revised color requirements for drainage inlet medallion markers. Section 76-6. Incorporated SSP 76-6 for Destroy Wells into Standard Specifications. Section 83-1.03A. Moved the first paragraph for scheduling construction activities to section 83-2. Revised the second paragraph to include reference to section 19-2.03B for disposal of surplus material. Section 83-2. Various updates to General, Midwest Guardrail Systems, Thrie Beam Barriers, California Bridge Rail, and Tubular Railings sections. Section 83-3. Removed Type 80SW barrier. Enhanced and clarified material specifications for steel plates and hardware. Updated barrier model numbers. Multiple other revisions to concrete barrier height, placing barriers, and payment. Section 83-11. Revised to clarify what is included in the removal of guardrail and added payment specifications for its removal. Section 84. Revised requirements for traffic stripes and markings. Section 86. Revised requirements for electrical work, conductor signal cables, controller cabinets, signal heads, batteries. Section 87. Revised requirements for electrical systems, conduit installation, battery backup system cabinets, concrete pads, and conductors signal cables.