



***Bridge Contractors/Caltrans  
Liaison Committee Meeting  
2015 Construction  
Contract Standards***

HQ - Office of Construction Engineering  
March 2016

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# Construction Contract Standards

*Standard Specifications*  
*Standard Special Provisions*  
*Standard Plans*

*Related Documents*

- *Bid Items*
- *Bid Book*

# 2015 Construction Standards Overview

- What do the 2015's look like?
  - 2015 format is the same as the 2010 format
  - There are new divisions
  - There are some sections that have been moved
  - There are new sections
- New Concepts
- New Terms
- Implementation

# What do the 2015's look like?

## ▶ 4-Part Format for Technical Sections

### Organization used in Sections 15 through 99

#### XX-X.01 GENERAL

Contains general requirements applicable to all the other sections.

#### XX-X.02 MATERIALS

Contains only the material requirements.

#### XX-X.03 CONSTRUCTION

Contains only the construction requirements.

#### XX-X.04 PAYMENT

Contains mostly measurement clauses.

- ▶ Note: A **GENERAL** section applies to all other sections at the same and lower levels

# What do the 2015's look like?

## Standard subsections in the General section:

XX-X.01 GENERAL

XX-X.01A Summary

XX-X.01B Definitions

XX-X.01C Submittals

XX-X.01D [Quality Assurance](#)

# What do the 2015's look like?

## Divisions

Most of the divisions are the same as in the 2010's but there are some changes:

- ▶ DIVISION I GENERAL PROVISIONS
- ▶ DIVISION II GENERAL CONSTRUCTION
- ▶ DIVISION III EARTHWORK AND LANDSCAPE  
(formerly Grading)
- ▶ DIVISION IV SUBBASES AND BASES
- ▶ DIVISION V SURFACINGS AND PAVEMENTS

# What do the 2015's look like?

- ▶ DIVISION VI STRUCTURES
- ▶ DIVISION VII DRAINAGE FACILITIES
- ▶ DIVISION VIII MISCELLANEOUS CONSTRUCTION
- ▶ DIVISION IX TRAFFIC CONTROL DEVICES  
(formerly Traffic Control Facilities)
- ▶ DIVISION X ELECTRICAL WORK  
(New Division)
- ▶ DIVISION XI MATERIALS  
(Moved from X to XI))
- ▶ DIVISION XII BUILDING CONSTRUCTION  
(Moved from XI to XII)

# What do the 2015's look like?

## New and Revised Sections

- New General Sections under Divisions III through VII
- Section 10 now includes Watering, Training & Meetings
- New Section 16 Temporary Facilities
- Section 17 is now Clearing and Grubbing
- Section 41 Existing Concrete Pavement
- Section 56 is now Overhead Signs Structures, Standards and Poles

# What do the 2015's look like?

## New and Revised Sections

- Section 59 is now Structural Steel Coatings
- New Section 60 Existing Structures
- Section 61 is now a General section and includes culvert and drainage pipe joints and alternative culverts.
- New Section 71 Existing Drainage Facilities.
- New Section 78 Incidental Construction, includes survey monuments, mailboxes, miscellaneous coatings, parking bumpers and obliterating roads

# What do the 2015's look like?

## New and Revised Sections

- Section 81, Miscellaneous Traffic Control Devices includes delineators and pavement markers.
- Section 82 Signs and Markers
- Section 86 General (for electrical)
- New Section 87, Electrical Systems
- Section 88 Reserved
- New Section 89 Aggregate
- Section 96 Geosynthetics

# New Concepts For 2015 Standard Specifications

General Section for each Division

- Section 1 General (GENERAL PROVISIONS)
- Section 10 General (GENERAL CONSTRUCTION)
- Section 17 General (EARTHWORK AND LANDSCAPE)
- Section 23 General (SUBBASES AND BASES)
- Section 36 General (SURFACINGS AND PAVEMENTS)
- Section 45 General (STRUCTURES)
- Section 61 General (DRAINAGE FACILITIES)
- Section 86 General (ELECTRICAL WORK)

# New Concepts For 2015 Standard Specifications

## Existing Facility Work Now Included In Technical Sections

- The general requirements for work on existing facilities are specified in Section 15.
- Requirements specific to the facility/element being rehabilitated moves to the division for that type of work
- Example:
  - The general requirements for removing concrete are specified in section 15
  - The specifics for removing concrete pavement are in Section 41 Existing Concrete Pavement
  - The specifics for removing structures concrete is in Section 60 Existing Structures

# New Terms For 2015 Standard Specifications

- Revision Clauses (were called Introductions)
  - The *Replace, Add or Delete* statements in the RSS and SSP's
- Quality Assurance (was quality control and assurance)
- Quality Characteristic (was sometimes material property)

RAD

## Revision Clauses

**R** **A** **D**

**Replace - Add -  
Delete**

# Revision Clauses

- ▶ **Revised Standard Specifications (RSS)**
  - RSS are changes to a section of the *Standard Specifications*. A change in the RSS starts with the **revision clause R-A-D**.
  - R-A-D: **R**eplace, **A**dd, or **D**elete
  - Each RSS has a home in the *Standard Specifications*.

# Revision Clauses

- ▶ **Standard Special Provisions (SSPs)**
  - SSPs are used to create the **Special Provisions**
  - SSPs are formatted similar to the Revised Standard Specs (RSS). SSPs are changes to a section of the *Standard Specifications* or the RSS. The **revision clause** to a change starts with R-A-D.
  - R-A-D: **R**eplace, **A**dd, or **D**elete
  - Each SSP has a home in the *Standard Specifications*.
  - Each NSSP must also have a home in the *Standard Specifications*.

# Quality Assurance

New format Quality Assurance replaces  
Quality Control and Assurance

XX-X.01A(4) Quality Assurance

XX-X.01A(4)(a) General

XXXXXXXXXX

XX-X.01A(4)(b) Quality Control

XXXXXXXXXX

XX-X.01A(4)(c) Department

XXXXXXXXXX



# Quality Assurance

## Example:

### 37-2.01A(4)(c) Department Acceptance

Chip seal acceptance is based on:

1. Visual inspection for the following:
  - 1.1. Uniform surface texture throughout the work limits.
  - 1.2. Raveling consists of the separation of the aggregate from the asphaltic emulsion or asphalt binder.
  - 1.3. Flushing consists of the occurrence of a film of asphaltic material on the surface of the chip seal.
  - 1.4. Streaking consists of alternating longitudinal bands of asphaltic emulsion or asphalt binder without uniform screening retention, approximately parallel with the lane line.
2. For asphaltic emulsion or asphalt binder acceptance is based on the Department's sampling and testing for compliance with the requirements for the quality characteristics specified.
3. For screenings acceptance is based on the Department's sampling and testing for compliance with the requirements shown in the table titled "Chip Seal Screenings Acceptance Criteria."

# Quality Assurance and Materials

- ▶ Tables now have standard format

Seal Coat Screenings

Quality Characteristic	Test method	Requirement
Los Angeles Rattler Loss, %, max Loss at 100 revolutions Loss at 500 revolutions	California Test 211	10 40
Percent of crushed particles Coarse aggregate (min, %) One-fractured face Two-fractured faces Fine aggregate (min, %) (Passing No. 4 sieve and retained on No. 8 sieve.) One fractured face	AASHTO T 335	95 90 70
Flat and elongated particles (% max by weight @ 5:1)	ASTM D4791	10
Film stripping, % max	California Test 302	25
Cleanness value, min	California Test 227	80
Durability, min	California Test 229	52

# 2015 Implementation Schedule

- July 2013 – Specifications moratorium started
- July 2015 – 2015 Standard Specifications editing finalized
- October 2015 – 2015 Standards posted on Internet
- February 2016 – Printed books available
- May 2016 – 2015 Standards Webinar Training
- April 2016 – Some advertised projects may be using 2015 Standards
- June 2016 – All projects ready to list after June 30, 2016 must use 2015 Standards unless there is a project exception

# 2015 Standard Specifications

## Time for Questions?