2010 Construction Contract Standards (Specifications)

District Design Stormwater Coordinator Training

June 12, 2012
2010 CCS Facts

- Section 13 = Water Pollution Control
- Section 21 has some BMP materials
- Section 14 has ESAs and HAZMAT
- Bid Item List identifies the Work
- Minimal SSPs and nSSPs
- SSPs Read as Amendments
- Fewer Payment Clauses
- Reduced Redundancy

2010 Standards at:
http://www.dot.ca.gov/hq/esc/oe/standards.php
Section 13 Water Pollution Control

13 WATER POLLUTION CONTROL

13-1 GENERAL

13-1.01 GENERAL

13-1.01A Summary

13-1.01B Definitions

13-1.01C Submittals

13-1.01D(1) General

13-1.01D(2) Training

13-1.01D(3) Water Pollution Control Manager

13-2 WATER POLLUTION CONTROL PROGRAM (WPCP)

13-3 STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

13-4 JOB SITE MANAGEMENT

13-5 TEMPORARY SOIL STABILIZATION

13-6 TEMPORARY SEDIMENT CONTROL

13-7 TEMPORARY TRACKING CONTROL

13-8 TEMPORARY ACTIVE TREATMENT SYSTEM

13-9 TEMPORARY CONCRETE WASHOUTS

13-10 TEMPORARY LINEAR SEDIMENT BARRIERS

General Specs common for all jobs

WPCP
SWPPP
CSM

BMPs
Section 13–3 SWPPP

13-3 STORM WATER POLLUTION PREVENTION PLAN

CSMP/SAP
- 13-3.01B(2)(b) Construction Site Monitoring Program
- 13-3.01B(2)(c) Sampling and Analysis Plan
- 13-3.01B(2)(d) SAP for Nonvisible Pollutants
- 13-3.01B(3) Annual Certification

Inspections & Monitoring
- 13-3.01B(4) Site Inspection Reports
- 13-3.01B(5) Visual Monitoring Reports
- 13-3.01B(6) Sampling and Analysis Day
  - 13-3.01B(6)(a) General
  - 13-3.01B(6)(b) Numeric Action Level Exceedance Reports
  - 13-3.01B(6)(c) Numeric Effluent Limit Violation Reports

NAL/NEL Reporting
- 13-3.01C(2) Numeric Action Levels (NALs)
- 13-3.01C(3) Numeric Effluent Limits (NELs)

REAP
- Annual Report

Annual Report
Stormwater Bid Items

Adding a stormwater item to the Bid Item List:

Invokes:
- Corresponding Standard Specifications
- Payment from description of work
- Appropriate Standard Plan

Rarely will you add an SSP, include a detail sheet, or edit a list of BMPs.

## Bid Items

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item Code</th>
<th>Item Description</th>
<th>Unit of Measure</th>
<th>Estimated Quantity</th>
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<tr>
<td>1</td>
<td>070012</td>
<td>PROGRESS SCHEDULE (CRITICAL PATH METHOD)</td>
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<td>LUMP SUM</td>
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<td>TIME-RELATED OVERHEAD</td>
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<td>CONSTRUCTION AREA SIGNS</td>
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</table>
Section 13-3.01A. Use for all SWPPP projects to specify the project risk level.

For all SWPPP projects, whether risk level 1, 2, or 3, include the following bid items:

- 074019 Prepare Storm Water Pollution Prevention Plan
- 074057 Storm Water Annual Report

For a risk level 2 or risk level 3 project, include the following additional bid item items:

- 074056 Rain Event Action Plan
- 074058 Storm Water Sampling and Analysis Day

For all SWPPP projects, whether risk level 1, 2, or 3, include supplemental funds under BEES item 066597 Storm Water Sampling and Analysis.
Projects with less than 1 acre of DSA:
- 074017 Prepare Water Pollution Control Program

Projects with 1 to 5 acres of DSA and qualify for an EPA Rainfall Erosivity Waiver
- 074017 Prepare Water Pollution Control Program
  - Include SSP 13-2.01A to add text to:
    - Describe Erosivity Waiver and R-Factor
    - Include construction window
    - Include penalty for voiding waiver
New stormwater bid items get “13” codes:

074016  Construction Site Management

Becomes:

130100  Job Site Management
Payment is specified in section 9 and not repeated.

Payment is based on the item of work and the unit of measure in the bid item list. Payment includes the work described in the specification for that bid item.

See page 112 regarding Payment Scope in Section 9-1.03 of Standard Specifications.
Section 13 Stormwater SSPs are indexed by number. Includes instructions for use.

Examples:
- 13-2.01A  WPCP Jobs with Erosivity Waiver
- 13-3.01A  Risk Level for SWPPP Jobs
- 13-7.03D  Modify Street Sweeping Requirements

Get 2010_Index.doc at:
http://www.dot.ca.gov/hq/esc/oe/specifications/SSPs/2010-SSPs/ssp_index/
Non–Standard Special Provisions (nSSPs)

Only approved 2006 SSPs were incorporated into the 2010 *Standard Specifications*.

Current nSSPs will be new 2010 nSSPs.

Examples:

- Turbidity Control
- Temporary Creek Diversion System
- Water Quality Monitoring
Non–Standard Special Provisions (nSSPs)

Since every nSSP and SSP has a home in the Standard Specifications, target an exact section to change.

R-A-D: Replace, add, or delete text in the Standard Specifications.

If you can’t locate appropriate text to change, use a “reserved” section.
### Summary of Quantities

#### Temporary Water Pollution Control Quantities

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<th>SHEET No.</th>
<th>Temp Fiber Roll</th>
<th>Temp Reinforced Silt Fence</th>
<th>Temp Silt Fence</th>
<th>Temp Trap Device</th>
<th>Temp Check Dam</th>
<th>Temp Hydraulic Mulch (Bonded Fiber Matrix)</th>
<th>Temp Drainage Inlet Protection</th>
<th>Temp Concrete Washout Facility</th>
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<td>50,309</td>
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</table>

Locations of Temp water pollution control shown are approximate, exact locations to be determined by the engineer.
WPC Plans
WPC Plans

Optional:
- BMPs shown on plans
- Quantity callouts
12-8.03 CONSTRUCTION
Before applying binder that will obliterate existing traffic stripes, place temporary raised pavement markers on the existing traffic stripes except right edge lines at intervals of not more than 24 feet. Place 2 markers side by side on double traffic stripes, 1 on each stripe longitudinally at intervals not exceeding 24 feet. Before opening the lanes to uncontrolled traffic, remove the covers from the temporary raised pavement markers.

Where no-passing centerline pavement delineation is obliterated, install the following temporary no-passing zone signs before opening lanes to traffic. Install a W20-1, “Road Work Ahead,” sign from 1,000 feet to 2,000 feet in advance of a no-passing zone. Install a R4-1, “Do Not Pass,” sign at the beginning of a no-passing zone and at 2,000-foot intervals within the no-passing zone. For continuous zones longer than 2 miles, install a W7-3a or W7-7(CA), “Next ___ Miles,” sign beneath the W20-1 sign. Install a R4-2, “Pass With Care,” sign at the end of the no-passing zone. The Engineer determines the exact location of temporary no-passing zone signs. Maintain the temporary no-passing zone signs in place until you place the permanent no-passing centerline pavement delineation. Remove the temporary no-passing zone signs when the Engineer determines they are no longer required for the direction of traffic.

Maintain temporary pavement delineation until you replace it with the permanent pavement delineation. Remove the temporary pavement delineation if the Engineer determines it conflicts with the permanent pavement delineation.

12-8.04 PAYMENT
Not Used

13. WATER POLLUTION CONTROL

The project is risk level 2.

14. ENVIRONMENTAL STEWARDSHIP

Add to section 14-1.02:

An ESA exists on this project.

Before start of work, protect the ESA by installing Type ESA Temporary Fence.

Replace section 14-11.07 with:

14-11.07 REMOVE YELLOW TRAFFIC STRIPE AND PAVEMENT MARKING WITH HAZARDOUS WASTE RESIDUE

14-11.07A General
14-11.07A(1) Summary

Section 14-11.07 includes specifications for removing existing yellow thermoplastic and yellow painted traffic stripe and pavement marking. The residue from the removal of this material is a Department-generated hazardous waste.

Residue from removal of yellow thermoplastic and yellow painted traffic stripe and pavement marking contains lead chromate. The average lead concentration is at least 1,000 mg/kg total lead or 5 mg/l soluble lead. When
12-8.03 CONSTRUCTION
Before applying binder that will obliterature existing traffic stripes, place temporary raised pavement markers on the existing traffic stripes except right edge lines at intervals of not more than 24 feet. Place 2 markers side by side on double traffic stripes, 1 on each stripe longitudinally at intervals not exceeding 24 feet. Before opening the lanes to uncontrolled traffic, remove the covers from the temporary raised pavement markers.

Where no-passing centerline pavement delineation will be obliterated, install the following temporary no-passing zone signs before opening lanes to traffic. Install a W2-1, "Road Work Ahead," sign from 1,000 feet to 2,000 feet in advance of a no-passing zone. Install a R4-1, "SLOW," sign at the beginning of a no-passing zone and at 2,000-foot intervals within the no-passing zone. Install continuous zones longer than 2 miles, install a W7-3a or W7-10C (CA), "Next ___ Miles," sign beneath the no-passing zone sign. Install a R4-2, "Pass With Care," sign at the end of the no-passing zone if the Engineer determines they are no longer required. Remove the temporary no-passing zone signs when the Engineer determines they are no longer required.

Pavement delineation. Remove the temporary pavement

SSPs

Streamlined!

14-11.07 REMOVE YELLOW TRAFFIC STRIPE AND PAVEMENT MARKING WITH HAZARDOUS WASTE RESIDUE
14-11.07A General
14-11.07A(1) Summary
Section 14-11.07 includes specifications for removing existing yellow thermoplastic and yellow painted traffic stripe and pavement marking. The residue from the removal of this material is a Department-generated hazardous waste.

Residue from removal of yellow thermoplastic and yellow painted traffic stripe and pavement marking contains lead chromate. The average lead concentration is at least 1,000 mg/kg total lead or 5 mg/l soluble lead. When...
Paying for Construction Site BMPs:
- For payment, review all of Section 9; specifically, 9–1.03 Payment Scope.
- For temporary facilities, review Section 5–1.36A

RE Review time for WPCP/SWPPP
- 15 day allowance no longer in specs

Temporary Concrete Washout Specs
- New lump sum item
- Contractor chooses type
Current Issues (cont.)

Temporary Cover:
- For soil stabilization; not stockpile management
- Stockpiles covered under Job Site Management

PSFM and Temp PSFM specs are cancelled
- Patent makes proprietary
- Product likely qualifies as a BFM

NEL Removal from CGP
- Blanket Concurrence for 07-345