

**California Department of Transportation
Stormwater Management Program
District 11 Work Plan**

Fiscal Year

2016-2017

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California Department of Transportation
Division of Environmental Analysis
Stormwater Management Program
4050 Taylor Street, San Diego, California 92110

<http://www.dot.ca.gov/hq/env/stormwater>

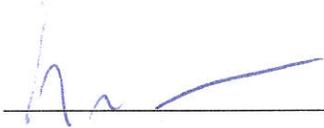
October 1, 2015



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**California Department of Transportation
District 11 Certification
District Work Plan 2016-17**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]



Laurie Berman, District Director

9-2-2015

Date

District 11

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1 Introduction

General Information about the District Work Plan

The District Work Plans (DWP) describe the organization of each California Department of Transportation (Caltrans) District's stormwater program and outline the planned stormwater activities for the upcoming fiscal year. They are prepared and submitted on October 1 each year. Since the DWP is District-specific, each Regional Water Quality Control Board (RWQCB or Regional Board) is provided a copy of the DWPs relevant to their jurisdiction.

This DWP presents information about District 11's water bodies, Best Management Practices (BMPs), and monitoring programs. It describes how the District will specifically implement the requirements of the Statewide Stormwater Management Plan (SWMP) during fiscal year 2016-17. Implementation activities will be conducted in accordance with the procedures presented in the SWMP.

The DWP's seven sections describe how the District plans to implement the stormwater program during the upcoming fiscal year. Section 1 introduces the DWP, describes its organizational structure, and identifies the key goals and commitments made by the District for the upcoming fiscal year. Section 2 describes the personnel with stormwater operations responsibilities in the District. In Section 3, the District's facilities are listed and categorized by type and location. Section 4 describes and identifies the high-risk locations where spills from the District's owned rights-of-way, roadways or facilities can discharge directly to a drinking water reservoir or ground water recharge facility. In Section 5, the District's road segments that are prone to erosion are identified. Section 6 summarizes the District's implementation activities, including projects that will be in the design and construction phases during the fiscal year, maintenance projects, and planned stormwater monitoring activities. Section 7 identifies the planned region-specific activities (if applicable) to address the requirements listed in Attachment V of the *National Pollutant Discharge Elimination System (NPDES) Statewide Storm Water Permit Waste Discharge Requirements (WDRs) for State of California Department of Transportation* (Order Number 2012-0011-DWQ, NPDES Number CAS000003, Effective July 1, 2013) (2012 NPDES Permit).

District Goals and Commitments

The National Pollutant Discharge Elimination System (NPDES) Unit is working with the Geographic Information System (GIS) functional unit to develop and operate a GIS-based Treatment BMP log application for internal Caltrans use. The application will be developed and ultimately include specific location and watershed information, treatment BMP as-builts, individual photographs of each BMP, and other water quality related design features.

In addition, the District will be modifying its Treatment BMP summary (attached to the Project's Storm Water Data Report [SWDR] at Plans, Specifications, and Estimate [PS&E]) to include additional information for the Annual Report, such as acreage of new pavement, percentage of new pavement to existing, and construction controls.

Moreover, NPDES staffs start using the Standard Tracking Exchange Vehicle (STEVE) on a consistent and regular basis to the full capacity in which it was intended. Staffs use STEVE to keep updated and accurate project information, including updates in STEVE of project meetings, schedules, memos, status of technical reports and documents, etc. The STEVE super container has the ability to store all documents prepared in support of a project.

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2 District Personnel and Responsibilities

Section 2 of the DWP describes positions, addresses, and telephone numbers of personnel with responsibilities for stormwater operations within the District. This section also identifies positions having signatory authority for various notifications or documents required for submittal by a District (e.g., Project Registration Documents, including Notices of Intent or NOIs).

District NPDES Stormwater Coordinator

Under the general direction of the District NPDES Stormwater Branch Chief, the NPDES Stormwater Coordinators are engineers and/or landscape architects responsible for ensuring compliance with the District stormwater quality policies. The specific stormwater tasks for which the Stormwater Coordinators are responsible include the following:

- Reviewing adequacy of Storm Water Data Reports for all District projects as required by the Project Planning and Design Guide.
- Working participant in preparation of contract specifications and estimates to address development of Stormwater Pollution Prevention Plans (SWPPPs) and Water Pollution Control Programs (WPCPs).
- Working participant in preparation of contract PS&E to address Construction, Pollution Prevention, and Treatment BMPs.
- Preparing or aiding in the preparation of the contract PS&E for inclusion of permanent control measures to improve or minimize water quality impacts.
- Ensuring adequate preparation of RWQCB notifications as required by the Permit.
- Overseeing activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control (DTSC).
- Reviewing of encroachment permit applications to ensure compliance with stormwater requirements.
- Representing NPDES in the SWAT Meetings.

Environmental Engineering Coordinator

The specific tasks of the Environmental Engineering Coordinator include the following:

- Assisting field staff overseeing construction activities with environmental permits, regulations and or conditions to ensure the environmental requirements are complied with and thoroughly documented.
- Active participant in the preparation of project-specific Environmental Commitment Records. Moreover, ensures commitments are complied with as project progresses in construction.

Maintenance Coordinator

The Maintenance Stormwater Coordinator is responsible for communicating with Maintenance management and staff level regarding the proper implementation of maintenance-related sections of the SWMP and DWP. The specific storm water tasks for which the Maintenance Stormwater Coordinator is responsible include the following:

- Overseeing implementation of proper maintenance BMPs when conducting maintenance activities to ensure compliance with Stormwater Permit and SWMP.
- Conducting Facility Pollution Prevention Plan (FPPP) inspections and preparing reports.

- Representing the District to the Maintenance SWAT.
- Reviewing District projects to ensure maintainability of stormwater measures upon completion of construction.
- Coordinating all stormwater training for Maintenance Personnel.
- Serving as point of contact for Maintenance-related activities with regulatory agencies.
- Preparing and submitting Illicit Connection/Illegal Discharge (IC/ID) Reports to the District NPDES Branch Chief.
- Reviewing and providing comments on Storm Water Data Reports to ensure compliance with Maintenance requirements.
- Overseeing implementation of drain inlet inspection and cleaning on an annual basis.

Construction Coordinator

Under the general direction of the Division of Construction Deputy, the Construction Stormwater Coordinator (CSWC) is responsible for developing stormwater quality policies and guidance, and daily management of Construction's stormwater quality program. The CSWC is responsible for the proper implementation of the SWMP and the DWP within Construction. The specific tasks for which the CSWC will be responsible include:

- Working as the primary point of contact for stormwater issues during the construction phase.
- Reviewing SWPPPs and WPCPs.
- Conducting final project closeout inspections to ensure compliance with the Notice of Termination (NOTs) submittals.
- Conducting or assisting with stormwater BMP related inspections.
- Submitting approved SWPPPs and other reports to the RWQCBs as requested.
- Providing oversight inspections for Construction projects, particularly tracking and implementing SMARTS requirements.
- Preparing and submitting Notices of Non-Compliance (NONCs).
- Preparing and submitting IC/ID Reports for Construction projects to the District NPDES Branch Chief.
- Representing Construction in the SWAT Meetings.
- Providing input to the Annual Report.
- Developing and administering stormwater training for Construction staff.
- Ensuring that all enforcement actions or corrections requested by the Regional Boards are promptly implemented and documented.
- Serving as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff.
- Supporting the design-related functional units in determining specific project needs and evaluation of water pollution control measures in the field.
- Reviewing Storm Water Data Reports to ensure compliance with construction requirements.

Right-of-Way (ROW) Coordinator

The specific tasks of the Right-of-Way Coordinator include the following:

- Acts as liaison within Right-of-way department and stormwater staff.

- Forward proper SWPPP and WPCP documents to NPDES/Stormwater Coordinator.

Engineering Services (Hydraulics) Representative

The specific tasks of the Hydraulic Representative include the following:

- Conduct culvert inspections in the field.
- Assist in the development of design-related maintenance projects and Storm Water Projects.
- Provide construction inspection for projects developed by Roadside Maintenance including HM-2, drainage, and Storm Water Projects.

Public Affairs Coordinator

The specific tasks of the Public Affairs Coordinator include the following:

- Coordinating Public Education Program “Don’t Trash California.”
- Providing input to the Annual Report regarding participating events.

Encroachment Permits Coordinator

The specific tasks of the Encroachment Permit Coordinator include the following:

- Acts as liaison within permit applicant and stormwater staff.
- Preliminary engineering review, site inspection, completion of the Encroachment Permit Storm Water Assessment Form (TR-0132).
- Related activities in reviewing, monitoring and issuing encroachment permits including meeting and communications with applicants, NPDES and Storm Water Coordinators.

Landscape Architecture Coordinator

The specific tasks of the Landscape Architecture Coordinator include the following:

- Coordinating all landscape plans for projects ready to PS&E.
- Preparing SWDR for landscape projects.
- Point of contact for Construction and Maintenance related to landscape issues.

Table 2-1 lists staff members responsible for implementing the Stormwater Management Program.

Table 2-1: District 11 Stormwater Personnel and Responsibilities

Staff Name	Title	Phone No.	E-mail	Responsibility
Carl Savage	NPDES Branch Chief	(619) 688-3626	carl.savage@dot.ca.gov	Direct District operations for stormwater management. Ensure District efforts achieve compliance with the NPDES permit. District signatory authority for all compliance documents regarding stormwater, except Construction General Permit (CGP) documents.

Table 2-1: District 11 Stormwater Personnel and Responsibilities

Staff Name	Title	Phone No.	E-mail	Responsibility
Roya Yazdanifard	NPDES/Stormwater Coordinators	(619) 688-3645	roya.yazdanifard@dot.ca.gov	Review adequacy of all SWDRs. Prepare and/or review NPDES Standard Special Provision (SSP) recommendation and estimates to address BMPs in SWPPPs and WPCPs. Review encroachment permit applications to ensure compliance with stormwater requirements.
Antonio Araullo		(619) 688-6436	antonio.araullo@dot.ca.gov	
Ken Johansson		(619) 688-6763	ken.johansson@dot.ca.gov	
Roy Santos		(619) 688-3645	roy.santos@dot.ca.gov	
Danielle Zhang		(619) 688-3645	danielle.zhang@dot.ca.gov	

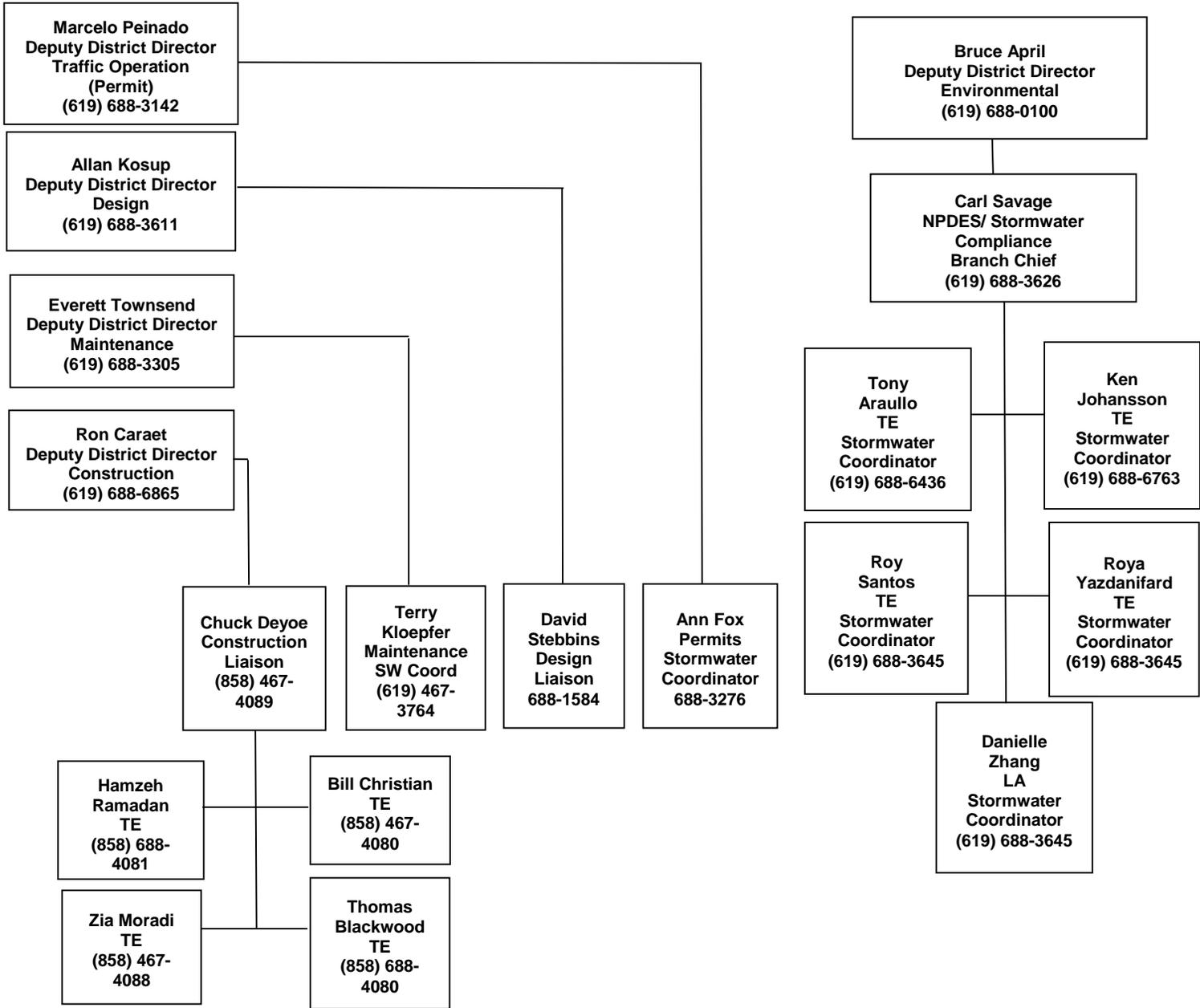
Table 2-2 lists individuals authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Stormwater Program. It also includes delegation of signatory authority for key Permit and SWMP required documents.

Table 2-2: District 11 Signatory Authority for Key Documents

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
District Director	(619) 688-6668	laurie.berman@dot.ca.gov	All District Documents, Legally Responsible Person (LRP) for CGP
Chief Deputy Maintenance, Design, Traffic Operations, Engineering and Surveys	(619) 688-3305	cory.binns@dot.ca.gov	All District Documents
NPDES Branch Chief	(619) 688-3626	carl.savage@dot.ca.gov	All District Documents except District Work Plan
Construction SW Coordinator	(858) 467-4089	chuck.deyoe@dot.ca.gov	SWPPP, Notice of Intent (NOI), Notice of Termination (NOT), Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification, Incident Report Form
Maintenance SW Coordinator	(619) 688-3329	terry.kloepfer@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illegal Connection/Illicit Discharge (IC/ID), Incident Report Form
Construction SW Coordinator	(858) 467-4089	chuck.deyoe@dot.ca.gov	SWPPPs, NOI/NOT, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of IC/ID, Incident Report Form
NPDES Branch Chief	(619) 688-3626	carl.savage@dot.ca.gov	Notice of Soil Reuse with Aerially Deposited Lead (ADL)
Construction SW Coordinator	(858) 467-4089	chuck.deyoe@dot.ca.gov	SWPPPs, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, NOI/NOT, Incident Report Form
Construction SW Coordinator	(858) 467-4089	chuck.deyoe@dot.ca.gov	SWPPPs, NOI/NOT, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of IC/ID, Incident Report Form
Maintenance SW Coordinator	(619) 688-3329	terry.kloepfer@dot.ca.gov	Facility Pollution Prevention Plans (FPPP)

Figure 2-1 shows an organizational chart describing key persons with responsibilities for stormwater operations within the District.

Figure 2-1: District 11 Organizational Chart



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3 District Facilities and Water Bodies

Section 3 of the DWP identifies maintenance stations (including crew functions and street addresses), vista points, commercial vehicle enforcement areas, roadside rest areas, park and ride facilities, toll road and bridge plazas, equipment shops, and other Caltrans facilities. Facility Pollution Prevention Plans (FPPPs) are prepared and implemented at Maintenance facilities within the District's boundaries, such as maintenance stations, material storage facilities, and equipment shops. To comply with Department of Homeland Security policy, the table and map identifying these facilities is not available to the public. For more information, contact Caltrans' Office of Emergency Management or Division of Environmental Analysis.

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4 Drinking Water Reservoirs and Recharge Facilities

Section 4 of the DWP describes and identifies the high-risk areas, which are locations where spills or other releases from District-owned rights-of-way, roadways, or facilities may discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. Projects that potentially drain to these high-risk areas consider project features that enhance spill response.

Drinking water reservoirs and recharge facilities are areas such as locations where spills from District-owned ROWs or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities. To generate the list of municipal, domestic water supply reservoirs, and ground water percolation facilities, the District first contacted known public and private water supply providers. From the information received, the District determined which facilities were susceptible to a direct spill from a District activity or facility. This determination was based on proximity between the water body and the District's facility, use characteristics of the facility, and the probable spill response time.

When planning projects within these defined areas, District 11 considers project design features for aiding in the prevention of accidental spills that could impact the area; these features are typically commensurate with safety improvements for reducing vehicle accidents. Examples of these features may include, but are not limited to, median barrier, guardrail, signalization, and vehicle restrictions. Features considered for improving spill response time typically include elongated drainage paths, call boxes, signage, or video surveillance. A list of drinking water reservoirs and recharge facilities within District 11 is presented in Table 4-1.

Table 4-1: District 11 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
I-15 PM	San Diego	9	Lake Hodges	Domestic Water Supply	-

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5 Slopes Prone to Erosion

Section 5 of the DWP identifies the road segments within District 11 that have slopes which are prone to erosion and sediment discharge. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, will be prioritized for implementing appropriate controls to the maximum extent practicable. In each Annual Report, the status of stabilization activities where applicable will be reported. Table 5-1 is District 11’s inventory of vulnerable road segments where erosion occurs and stabilization may be required, or where rock cut slopes are located and rock falls have occurred.

Table 5-1: District 11 Inventory of Road Segments Prone to Erosion

Road Segment	County	Regional Board	Watershed	Scheduled Stabilization Date
78 PM 35.002-41.088	IMP	Colorado River Basin Region 7	Salton Sea/Colorado River	TBD
78 PM 60.201-69.991	SD	San Diego Region 9	San Dieguito	TBD
78 PM 73.052-73.562	SD	San Diego Region 9	San Dieguito	TBD

Figure 5-1 is a map showing California State Highway System areas that required maintenance within District 11 in 2015, including rock cut slopes, landslides, and moderate soil erosion.

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District 11

2015 Areas Prone to Erosion

NOTE:

Map indicates locations of Major/Minor storm damage repair activities conducted on three (3) consecutive years by the Division of Maintenance. Erosion data obtained from IMMS.

MAP INFORMATION

Projection: Albers Meters NAD 83
Project Location: f:\gis\2015_Erosion_District11.mxd

Areas Prone to Erosion

DISTRICT	COUNTY	ROUTE	PM1	PM2
11	IMP	78	35.002	41.088
11	SD	78	60.201	69.991
11	SD	78	73.052	73.562

Legend

-  State Highway
-  3 Yr. Consecutive Erosion
-  Water Feature
-  County Boundary



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6 Implementation

Section 6 of the DWP identifies the specific projects in which work is planned during the fiscal year within the Project Approval/Environmental Document (PA/ED), Plans, Specifications, and Estimates (PS&E), and Construction development phases. The anticipated schedule of construction and maintenance projects is subject to change. These projects are limited to those meeting any of the following criteria:

1. All projects that require soil disturbing activities
2. Adjacent to a Drinking Water or Ground Water Recharge Facility, as described in Section 4 of the DWP
3. A supplemental environmental project
4. Additional projects per agreement between the District and local RWQCB

Projects listed in Table 6-1 include (where applicable):

1. Location (county, route and post mile limits)
2. Project number (expense authorization)
3. Basic Project Description
4. Disturbed soil area
5. Presence of receiving waters within or adjacent to project limits, with special designation for 303(d) listed water bodies (adopted)
6. Drinking Water Reservoir or Ground Water Recharge Facility within or adjacent to project (as identified in Section 4 of the DWP)
7. Projected milestone dates of PA/ED, PS&E, begin Construction, and end Construction
8. Description of Construction Controls
9. Post-Construction Treatment Controls (types and quantities)
10. Dredge and fill (CWA-401) activities within the project
11. Other Regional Water Control Board Permits Required
12. Potential and Actual Impacts of Project's Discharge
13. Area of New Impervious Surface
14. Percentage of New Impervious Surface to Existing Impervious Surface

The updated lists of projects meeting these criteria will also be provided to the RWQCB annually on October 1st. Furthermore, this section identifies planned maintenance projects with soil disturbance. Information associated with the project includes location, affected water body, and area of disturbance. In addition, this section also describes the planned stormwater monitoring activities within the District; however, these activities may be conducted jointly with other Districts and HQ. Consequently, the information contained in a DWP may be repeated in another DWP.

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Table 6-1: District 11 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Other Regional Water Board Permits Required ⁵	Potential and Actual Impacts of Project's Discharge ⁶	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁷	Post-Construction Treatment Control Type, Quantity ⁸	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ⁹											PA&ED Date	PS&E Date	Start Date	End Date
1	282301	SD	5	R31.7	R31.7	9	In San Diego at 0.1 mile south of Carmel Mountain road undercrossing, Stormwater TMDL, Slope stabilization	Los Peñasquitos Lagoon	N	None	None	1	0	0	SWPPP	E	-	07/10/14	10/01/15	08/01/16
2	2T1901	SD	15	M5.6	R6.0	9	In San Diego from Adams Ave. overcrossing to Camino Del Rio south undercrossing, Mid City bikeway, Construct commuter bike facility	San Diego River	N	None	None	3.47	1.52	TBD	SWPPP	1BS	-	07/29/14	07/01/15	09/01/16
3	2M7601	SD/IMP	78	66/0	95.3/13.2	9/7	In San Diego and Imperial near Banner from 3.7 miles west of Vallecitos Road to north junction of route 86, Apply asphalt rubber seal coat, Major Maintenance	Santa Ysabel Creek, New River and Salton Sea	N	None	None	0	0	0	WPCP	E	-	08/13/14	10/01/15	12/31/15
4	415401	SD	8	16	R30.5	9	In San Diego near El Cajon Ballantyne lane undercrossing to 0.4 mile east Victoria Drive undercrossing, Enhance Stripping	Los Coches Creek	N	None	None	0.62	0	0	WPCP	E	-	09/02/14	07/01/16	02/01/17
5	2M7501	SD	163	0.6	4	9	In San Diego from Ash Street to San Diego River Bridge	San Diego River (Lower), Switzer Creek, San Diego Bay, Tecolote Creek	N	None	None	0	0	0	WPCP	E	-	09/02/14	05/01/15	12/31/15
6	407601	SD	Various	Various	Various	9	In San Diego at various location, upgrade bridge rail treatment	Tijuana River, Telegraph Canyon Creek, Agua Hacienda Creek, Buena Vista Creek, Pacific Ocean Shore line, San Mateo Canyon	N	None	None	0	0	0	WPCP	E	-	09/16/14	08/01/15	06/01/17
7	2T0411	SD	805	26.8	27.3	9	In San Diego from Carrol Canyon road bridge to 0.2 mile north of Mira Mesa Blvd. undercrossing, highway planting	Carroll Canyon, Soledad Canyon, Carmel Valley, Los Peñasquitos Creek and lagoon	N	None	None	3.2	0	0	SWPPP	E	-	09/16/14	09/26/15	09/26/18
8	409600	SD	Various	Various	Various	9	In San Diego at various locations, roadside safety improvement	Paradise Creek, Sweet water	N	None	None	2.15	2.08	TBD	SWPPP	E	09/24/14	-	01/04/15	07/04/16
9	409701	SD	Various	Various	Various	9	In San Diego County at various location, Roadside safety improvement	San Diego River, Alvarado Canyon	N	None	None	0.61	0.6	TBD	WPCP	E	01/23/15	06/16/15	06/22/16	03/04/19

¹ Supplemental Environmental Projects designated as "SEP."

² Projects adjacent to Drinking Water Reservoirs or Ground Water Recharge Facilities are noted (DW) and (GW), respectively.

³ Water bodies with designation for 303(d) designation are noted in parentheses.

⁴ If yes, a 401 permit will be required for this project. NA = Not Available at this time.

⁵ Regional Water Board Permits required other than Construction General Permit and Clean Water Act Section 401 water quality certification, such as Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.

⁶ This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.

⁷ A description of the Construction Controls is available in the project's Storm Water Pollution Prevention Plan (SWPPP), Water Pollution Control Plan (WPCP), or is To Be Determined (TBD) if the Disturbed Soil Area is unavailable.

⁸ Treatment Control Status identified by: device type/number of devices, exempt ("E"), or under consideration ("C"). See Treatment Control Status Legend below for device type abbreviations.

⁹ Regional Board

Table 6-1: District 11 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Other Regional Water Board Permits Required ⁵	Potential and Actual Impacts of Project's Discharge ⁶	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁷	Post-Construction Treatment Control Type, Quantity ⁸	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ⁹											PA&ED Date	PS&E Date	Start Date	End Date
10	416600	SD	94	29.6	29.8	9	In San Diego from 0.5 mile east of Grande Creek bridge to 0.1 mile west of Marron Valley Road, safety and curve/shoulder widening	Jamul Creek, Otay Reservoir, Barrett Lake, Cottonwood Creek	N	None	None	0.85	0.27	TBD	WPCP	E	09/24/14	-	05/01/17	09/30/17
11	299201	SD	Various	Various	Various	9	In San Diego at various location, seismic retrofit	Sweetwater River, San Diego River	N	None	None	0.05	0	0	WPCP	E	-	09/30/14	11/12/14	11/12/15
12	405700	SD	76	32.6	33.2	9	In San Diego from 0.2 miles west of Rincon Spring Road to 0.1 mile west of Water Mountain Road, roundabout at Valley Center Road	Yuima Creek, San Luis Rey River	Y	None	None	4.13	0.23	TBD	SWPPP	E	10/14/14	-	12/01/16	01/01/19
13	409800	SD	78	1.5	12.2	9	In San Diego from El Camino Real overcrossing to 0.1 mile east of San Marcos Blvd. undercrossing, roadside safety improvement	Buena Creek, Buena Vista Creek and Lagoon, San Marcos Creek	N	None	None	0.81	0.81	TBD	WPCP	E	10/28/14	-	08/01/16	12/01/16
14	419700	SD	5	R25.6	R26.2	9	In San Diego from 0.3 miles south to 0.3 mile north of route 5/52 separation, ramp rehabilitation	Mission Bay, Rose Canyon	N	None	None	0	0	0	WPCP	E	10/22/14	-	09/01/16	12/01/16
15	413601	IMP	8	R45.5	55	7	In Imperial County near El Centro from 0.6 mile west of Anderholt road overcrossing to 0.5 mile east of east Highline Canal bridge, pavement rehabilitation	Alamo River	N	None	None	45	0	0	SWPPP	E	10/28/14	12/23/14	11/24/15	07/19/17
16	413701	IMP	8	R65.0	74.5	7	In Imperial County 26 miles east of El Centro from 0.8 mile west of east junction route 98/8 Separation to 0.6 mile east of all American Canal, pavement rehabilitation	All American Canal	N	None	None	48.91	0	0	SWPPP	E	01/13/2015	04/02/15	01/08/16	06/05/18
17	415700	SD	78	0	R16.5	9	In San Diego from route 78/5 separations in Oceanside to route 15/78 separation in Escondido, lighting and signing and concrete barrier	Buena Vista Creek and Lagoon, Buena Creek, San Marcos Creek	N	None	None	1.23	0	0	SWPPP	E	02/18/15	-	09/01/16	03/01/17
18	002711	SD	5	R20.3	R21.4	9	In San Diego from 0.3 miles of Fiesta Island Road overcrossing to 0.5 mile north of Tecolote Creek bridge, landscape mitigation	Lower San Diego River	N	None	None	6.91	0	0	SWPPP	E	-	11/21/14	10/21/15	04/21/19
19	413301	SD	15	R6.5	R10.9	9	In San Diego from 0.2 miles south of San Diego Mission Road overcrossing to 0.3 mile north of route 52/15 separation, grind PCC and replace slab	Lower San Diego River	N	None	None	0	0	0	WPCP	E	-	12/8/14	01/29/16	08/31/16
20	2T1521	SD	125	2.64	2.65	9	In San Diego in Chula Vista and adjacent to route 125, 0.4 miles north of Brich road undercrossing, Bridge Construction	Sweetwater River	N	None	None	0.9 (in CT R/W)	0.9 (in CT R/W)	TBD	WPCP	E	-	12/15/14	05/11/15	08/12/1621

Table 6-1: District 11 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Other Regional Water Board Permits Required ⁵	Potential and Actual Impacts of Project's Discharge ⁶	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁷	Post-Construction Treatment Control Type, Quantity ⁸	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ⁹											PA&ED Date	PS&E Date	Start Date	End Date
21	416900	IMP	8	R90	R96.8	7	In Imperial County near Winter Haven from 0.7 mile west of route 186/8 separation to 0.3 mile east of Fourth Ave. overcrossing, Pavement Rehabilitation	Colorado River	N	None	None	28.7	0	0	SWPPP	E	12/23/14	02/10/15	11/24/15	10/24/17
22	2M7301	SD	Various	Various	Various	9	In San Diego at various location, treat bridge with methacrylate and replace joint seals	San Diego Bay, San Diego River, Telegraph Canyon Creek, Sweetwater River, Paleta Creek	N	None	None	0	0	0	WPCP	E	-	01/05/15	06/01/15	03/01/16
23	287100	SD	94/805/15	1.4/13/0.6	4.9/13.5/3.4	9	In San Diego from route 94/5 separation to 0.3 miles east of 47th street overcrossing, construct express lanes	Chollas Creek, San Diego Bay shoreline	N	None	None	50	29.9	TBD	SWPPP	4BS 4D 6ID 1MF 1MCTT	01/15/15	-	07/01/17	07/01/20
24	146650	SD	94/125	Various	Various	9	In San Diego near La Mesa and Lemon Grove in Route 94 from 0.2 KM west of the 94/125 separation to the Kenwood Drive undercrossing and on route 125 from the west junction 94 route break to the Lemon Grove undercrossing, 94/125 connector and roadway improvement	Sweetwater River	N	None	None	17.65	5.91	TBD	SWPPP	7BS	01/27/15	-	09/25/18	09/01/20
25	2T240K	SD	15/78	R30.6/12.6	R32.0/R16.7	9	In San Diego on route 15 from 0.4 mile south of Hale Avenue undercrossing to 0.5 mile of route 15/78 separation and on route 78 from 0.3 mile west of Twin Oaks Valley overcrossing to 0.2 mile west of Rocks Springs road overcrossing, direct connector I-15 to SR-78	San Marcos Creek, Escondido Creek	N	None	None	16	14.7	TBD	SWPPP	1D	02/05/15	-	01/01/24	01/01/25
26	260411	SD	8	R37.8	R39.1	9	In San Diego from route 8/79 separation to 1.3 mile East of route 8/79 separation, Stormwater mitigation, repair gully erosion	Sweetwater River	N	None	None	3.7	0	0	SWPPP	E	-	02/18/15	01/01/16	03/01/17
27	2T1751	SD	5	R28.7	R28.7	9	In San Diego on I-5 at Gilman Drive overcrossing, Construct new bridge	Rose Creek	N	None	None	1.4	0.3	TBD	SWPPP	E	-	02/26/15	07/15/15	05/26/16
28	414901	SD	67	20.8	21.9	9	In San Diego near Ramona from 0.4 mile south to 0.3 mile north of Highland Valley/Dye Road, Intersection improvement	San Vicente Creek	N	None	None	8.35	5.37	TBD	SWPPP	1BS	-	03/17/15	01/15/16	11/15/16
29	413501	SD	8	15.3	R21.6	9	In San Diego from Johnson Avenue undercrossing to 0.2 mile west of Lake Jennings Park Road undercrossing, pavement rehabilitation	Forester, El Cajon and Los Coches Creek	N	None	None	2.86	0.42	TBD	SWPPP	E	-	03/17/15	04/15/16	02/02/17

Table 6-1: District 11 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Other Regional Water Board Permits Required ⁵	Potential and Actual Impacts of Project's Discharge ⁶	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁷	Post-Construction Treatment Control Type, Quantity ⁸	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ⁹											PA&ED Date	PS&E Date	Start Date	End Date
30	41930K	SD	78	N17.6	R21.4	9	In San Diego from 0.1 mile west of north Broadway to Teepee Drive, Pavement Rehabilitation	Escondido, San Pasqual and Kit Carson Creek, San Elijo Lagoon, Lake Hodges	N	None	None	0.4	0.1	TBD	WPCP	E	03/17/15	-	05/01/20	12/01/20
31	295200	SD	94	59.7	60.2	9	In San Diego from 0.8 miles east to 1.3 miles east of Campo Creek bridge, curve realignment	Campo Creek	N	None	None	3.78	0.64	TBD	SWPPP	E	03/17/15	-	11/01/16	05/01/17
32	410800	SD	805	15.7	17.5	9	In San Diego from Landis Street overcrossing to route 805/8 separation, roadside safety improvement	Chollas Creek, San Diego River (Lower)	N	None	None	0.79	0.79	TBD	WPCP	E	03/23/15	-	07/10/17	05/21/19
33	237960	SD	8	6.1/R20	10.5/R21.8	9	In San Diego, La Mesa, El Cajon from 0.2 miles west of Fairmont Avenue undercrossing to Fletcher Parkway Overcrossing and from Los Coaches Road undercrossing to Lake Jennings Park road undercrossing, TMS and fiber optic	San Diego River	N	None	None	0.54	0.01	0	WPCP	E	03/24/15	-	06/15/16	01/19/18
34	244000	SD	5	3.9	9.2	9	In San Diego and Chula Vista and National City from 0.1 mile south of Coronado Avenue overcrossing to 0.6 mile north of E Street overcrossing, install ramp metering system	San Diego Bay, Otay River, Telegraph Canyon Creek	N	None	None	3.61	1.47	TBD	SWPPP	4BS	04/07/15	-	09/02/16	09/02/17
35	42030K	SD	52	0.0	14.8	9	In San Diego in Santee from route 5/52 separation to 52/125 separation, safety improvements	San Diego River	N	None	None	0.52	0.09	TBD	WPCP	E	04/24/15	-	03/04/22	02/10/21
36	42070K	SD	Various	Various	Various	9	In San Diego at various location, replace changeable message signs panels and fiber optic	San Diego River, Los Peñasquitos, Lake Miramar, Lake Hodges	N	None	None	0.1	0	0	WPCP	E	-	04/08/15	12/10/19	05/11/20
37	42080K	SD	Various	Various	Various	9	In San Diego at various locations on route 5,8,15,56,75, 163,282 and 805, replace changeable message sign panels	San Diego River, Lake Hodges and Los Peñasquitos	N	None	None	0.5	0	0	WPCP	E	05/28/15	-	12/17/18	07/17/20
38	406401	SD	Various	Various	Various	9	In San Diego at various locations, upgrade bridge rail end treatment	Otay River, San Diego River	N	None	None	0.9	0	0	WPCP	E	-	04/21/15	04/12/16	01/19/17
39	409000	SD	94	46.9	R58.9	9	In San Diego at Campo creek bridge and about 7 miles west of Manzanita, bridge rail upgrade	Campo Creek, Cottonwood Creek	N	None	None	0.02	0	0	WPCP	E	04/27/15	-	09/14/17	09/10/18

Table 6-1: District 11 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Other Regional Water Board Permits Required ⁵	Potential and Actual Impacts of Project's Discharge ⁶	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁷	Post-Construction Treatment Control Type, Quantity ⁸	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ⁹											PA&ED Date	PS&E Date	Start Date	End Date
40	076711	IMP	8	NA	NA	7	In Imperial County at El Centro Maintenance Station at 1102 Montenegro Way, construction of sub-shop building for El Centro maintenance Station (5708)	Alamo River	N	None	None	0	0	0	WPCP	E	-	05/07/15	11/17/15	07/07/17
41	41990K	SD	805	27.1	28.9	9	In San Diego from Mira Mesa Blvd undercrossing to 0.4 mile north of route 5/805 separation, pavement rehabilitation	Carroll Canyon, Soledad Canyon, Los Peñasquitos Creek, Los Peñasquitos Lagoon	N	None	None	0.6	0	0	WPCP	E	05/07/15	-	07/01/19	10/01/20
42	41950K	SD	52	3.8/6.2	5.1/9.1	9	In San Diego from route 805/52 separation to 0.4 mile west of Convoy street overcrossing and from 0.4 mile west of route 163/52 separation to 0.4 mile east of Santo Rod overcrossing, pavement rehabilitation	Lower San Diego River, Mission Bay, Rose Canyon	N	None	None	0.1	0	0	WPCP	E	05/08/15	-	05/30/19	07/24/20
43	42000K	SD	94	R10.4	14.9	9	In San Diego near La Mesa from Spring Street undercrossing to Campo Road, cold plane/RHMA	Lower Sweetwater River	N	None	None	0.5	0	0	WPCP	E	05/14/15	-	06/01/20	03/31/21
44	410900	SD	5	0.3	5.4	9	In San Diego County from Camino De La Plaza overcrossing to Main street overcrossing, roadside safety improvement	Tijuana River, Otay River	N	None	None	0.99	0	0	WPCP	E	05/20/15	-	07/01/17	05/31/19
45	2M8401	IMP	Various	Various	Various	7	In Imperial County near Bombay beach on route 111 from 9.4 miles south of Imperial County line and at Andrane on route 186 from Mexico border to Route 186/8 separation, RHMA overlay and asphalt rubber seal coat	Alamo River, Imperial Valley Drain, New River, Salton Sea, West Lake, Colorado River	N	None	None	0	0	0	WPCP	E	-	05/21/15	05/01/16	10/31/16
46	41750K	SD	5	34.6	35.1	9	In San Diego from 0.8 mile north of Del Mar Heights road over crossing, I-5 detention basins	San Dieguito River	N	None	None	1.45	0	0	SWPPP	1BS 1D	06/03/15	-	01/31/20	07/07/23
47	414701	SD	67	9.3	11.2	9	In San Diego from Slaughterhouse Canyon Road to 1.9 miles north of Slaughterhouse Canyon Road, Drainage improvement	San Vicente Creek and San Vicente Reservoir	N	None	None	0.42	0	0	WPCP	E	-	06/03/15	04/21/16	01/11/17
48	414800	SD	8	R0.1	2	9	In San Diego from 0.2 mile west of Morena Blvd. to 0.1 mile east of Hotel circle north, safety improvement	San Diego River (Lower)	N	None	None	1	0.8	TBD	SWPPP	4BS	-	06/23/15	12/01/17	11/01/18

Treatment Control Status Legend	
BMP Device Types:	
BS	Biofiltration Strips and/or Swales
C	Under Consideration
D	Detention Devices
E	Exempt
DWFD	Dry Weather Flow Diversion
GSRD	Gross Solids Removal Devices
ID	Infiltration Devices – Water quality volume infiltrates within the right of way. (When this is demonstrated for at least 90% of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)
MF	Media Filters
MCTT	Multi-chambered Treatment Trains
TST	Traction Sand Traps
WB	Wet Basins

Table 6-2 lists the planned maintenance projects that will disturb soil.

Table 6-2: District 11 Anticipated Significant Road Maintenance Activities

No.	Co.	Route	Beg PM	End PM	Regional Board	Description	Water Bodies Affected ¹⁰	Other Regional Water Board Permits Required ¹¹	Potential and Actual Impacts of Project's Discharge ¹²	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TB D/NA) ¹³	Post-Construction Treatment Control Type, Quantity ¹⁴	Start Date	Completion Date
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Treatment Control Status Legend	
BMP Device Types:	
BS	Biofiltration Strips and/or Swales
C	Under Consideration
D	Detention Devices
E	Exempt
DWFD	Dry Weather Flow Diversion
GSRD	Gross Solids Removal Devices
ID	Infiltration Devices – Water quality volume infiltrates within the right of way. (When this is demonstrated for at least 90% of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)
MF	Media Filters
MCTT	Multi-chambered Treatment Trains
TST	Traction Sand Traps
WB	Wet Basins

¹⁰ Receiving waters within or adjacent to maintenance activity designated as “303(d) (constituent type).” Activity adjacent to Drinking Water Reservoir or Ground Water Recharge Facilities designated as “DW.”

¹¹ Regional Water Board Permits required other than Construction General Permit, such as Clean Water Act Section 401 water quality certification, Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.

¹² This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.

¹³ A description of the Construction Controls is available in the project’s Storm Water Pollution Prevention Plan (SWPPP), Water Pollution Control Plan (WPCP), is To Be Determined (TBD) if the Disturbed Soil Area is unavailable, or is Not Applicable (NA) because there is no Disturbed Soil Area associated with the project.

¹⁴ Treatment Control Status identified by: device type/number of devices, exempt (“E”), or under consideration (“C”). See Treatment Control Status Legend below for device type abbreviations.

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Table 6-3 lists the District’s planned monitoring activities.

Table 6-3: District 11 Monitoring Activities

Statewide Monitoring Program Activities
<p>The District plans to:</p> <ul style="list-style-type: none"> • Continue implementing the monitoring plan for Chollas Creek for the Dissolved Copper, Lead and Zinc TMDL. The main objectives of the monitoring program are to: <ul style="list-style-type: none"> ○ Characterize Caltrans’ discharges to Chollas Creek; ○ Demonstrate compliance toward achieving WLAs identified in the TMDL; and ○ Conduct post-construction monitoring in areas where treatment BMPs have been implemented • Continue implementing the monitoring plan for Rainbow Creek to: <ul style="list-style-type: none"> ○ Characterize Caltrans’ discharges to Rainbow Creek; ○ Demonstrate compliance toward achieving the WLAs identified in the TMDL for Total Nitrogen and Total Phosphorus in the Rainbow Creek Watershed • Begin implementing a monitoring plan for Los Peñasquitos Lagoon TMDL to: <ul style="list-style-type: none"> ○ Characterize Caltrans’ discharges to Los Peñasquitos Lagoon; ○ Demonstrate compliance toward achieving the WLAs identified in the TMDL for sediment in the Los Peñasquitos Lagoon Watershed • Begin implementing a monitoring plan for the Indicator Bacteria, Project I – Twenty Beaches and Creeks TMDL to: <ul style="list-style-type: none"> ○ Characterize Caltrans’ discharges to the impaired watersheds; ○ Demonstrate compliance toward achieving the WLAs identified in the TMDL for Bacteria in those watersheds identified in the SWRCB Resolution # 2010-0064 - Revised Total Maximum Daily Loads for Indicator Bacteria, Project I – Twenty Beaches and Creeks in the San Diego Region (Including Tecolote Creek) • Begin implementing a monitoring plan for Trash associated with new statewide trash amendment • Begin pre-construction monitoring for Porous Pavement pilot study <ul style="list-style-type: none"> ○ Characterize Caltrans’ discharges in the pilot area ○ Conduct pre-construction monitoring in areas where porous shoulder treatment BMPs will be implemented
ASBS Core Monitoring Sites
<ul style="list-style-type: none"> • NA
ASBS Ocean Receiving Water and Reference Monitoring Sites
<ul style="list-style-type: none"> • NA

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7 Region-Specific Activities

Region-specific requirements are not applicable to District 11.

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