California Department of Transportation

Stormwater Management Program

District 11 Work Plan

Fiscal Year

2017-2018

CTSW-RT-16-316.11.1

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, 2016

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California Department of Transportation
District 11 Certification
District Work Plan 2017-18

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)]

9/1/16

for **Laurie Berman, District Director** — **Date**

District 11

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1 Introduction

General Information about the District Work Plan

The District Work Plans (DWPs) 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 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 2017-18. Implementation activities will be conducted in accordance with the procedures presented in the SWMP. In addition, this DWP fulfills Provision E.3.b 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) (NPDES Permit). The NPDES Permit was amended by Orders WQ 2014-0006-EXEC (January 17, 2014), WQ 2014-007-DWQ (May 20, 2014), and WQ 2015-0036-EXEC (April 7, 2015). A conformed NPDES Permit was issued on April 7, 2015 (Conformed NPDES Permit), available on the California State Water Resources Control Board's (SWRCB) website: http://www.swrcb.ca.gov/board_decisions/adopted_orders/water_quality/2012/wq2012_0011_dwq_conformed_signed.pdf.

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 facilities are listed and categorized by type and location. Section 4 describes and identifies the high-risk locations where spills from the District rights-of-way, roadways or facilities can discharge directly to a drinking water reservoir or ground water recharge facility. In Section 5, the District road segments that are prone to erosion are identified. Section 6 summarizes the District 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 Conformed NPDES Permit.

District Goals and Commitments

The goals for District 11 consist of the following:

- Enhancing BMP implementation, using lessons learned to make modifications to recently installed BMPs. Continue improving strategies for compliance monitoring to fulfill Stormwater Permit requirement.
- The National Pollutant Discharge Elimination System (NPDES) Unit is working with the Geographic Information System (GIS) 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.
- Modifying Treatment BMP summaries (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 pavement, and construction controls. This will achieve the requirement from Headquarter to continue maintaining a database of all treatment BMPs implemented in the District.

- Utilizing the Caltrans Stormwater Portal on a consistent and regular basis to the full capacity for which it was intended. Staff uses Portal as a centralized, web-based, comprehensive mapping and tracking stormwater tool to help facilitate data collection, tracking and reporting required by the Stormwater Permit.
- Increasing communication, collaboration and coordination with Regional Water Quality Control Board (RWQCB) to have a better understanding of the future requirements of Total Maximum Daily Limit (TMDL) by holding meetings and continuing to facilitate conversation with RWQCB and various branches within District to ensure compliance with the Stormwater and TMDL requirement.
- Committing to educate contractors, consultants, the public and other stakeholders to reduce stormwater runoff pollution.

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 Intents or NOIs).

District NPDES Stormwater Coordinator

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

- Act as the primary liaison and single point of contact on stormwater between District and the Regional Water Quality Control Board (RWQCB), Environmental Protection Agency (EPA), and other agencies.
- Reviewing the adequacy of Storm Water Data Reports for all District projects as required by the Project Planning and Design Guide.
- Assisting the District functional units in prioritizing, monitoring, tracking, and evaluating stormwater resources, activities, and operations.
- Evaluating and recommending permanent BMP control and treatment BMP measures to address project stormwater impacts.
- Ensuring that District staff are updated with the Caltrans NPDES Permit requirements and provide adequate guidance to achieve compliance. This will include the TMDL program, CT SWAMP, PPDG and SWDR.
- Attending Project Development Team (PDT) meetings and coordinating with other Divisions to promote water quality improvement and implementation of BMPs.
- Participating in preparation of contract specifications and estimates to address development of Stormwater Pollution Prevention Plans (SWPPPs) and Water Pollution Control Programs (WPCPs).
- Contributing 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 the new agreement 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.
- Supervise the culvert inspection team.

Environmental Engineering Coordinator

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

- Assist environmental compliance 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 regarding the implementation of maintenance-related sections of the SWMP and DWP. The specific storm water tasks of the Maintenance Stormwater Coordinator 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 of the CSWC include the following:

- 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 the Division of Right-of-way and stormwater staff.
- Forward proper SWPPP and WPCP documents to NPDES/Stormwater Coordinator.
- Ensuring that stormwater training is available to ROW staff with inspection responsibilities.

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 stormwater 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.
- Development and distribution of Public Service Announcements regarding stormwater.

Encroachment Permits Coordinator

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

- Acts as liaison between permit applicant (entities/stakeholders) 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 communicating with applicants, NPDES and Storm Water Coordinators.
- Work closely and frequently discuss stormwater related activities with the HQ Encroachment Permit Office.

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 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.
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.
Roy Santos		(619) 688-3645	roy.santos@dot.ca.gov	
Danielle Zhang		(619) 688-3645	danielle.zhang@dot.ca.gov	
Antonio Araullo		(619) 688-6436	antonio.araullo@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 Conformed NPDES 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 and report IC/ID

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

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
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, Facility Pollution Prevention Plans (FPPP)
NPDES Branch Chief	(619) 688-3626	carl.savage@dot.ca.gov	Notice of Soil Reuse with Aerially Deposited Lead (ADL)

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

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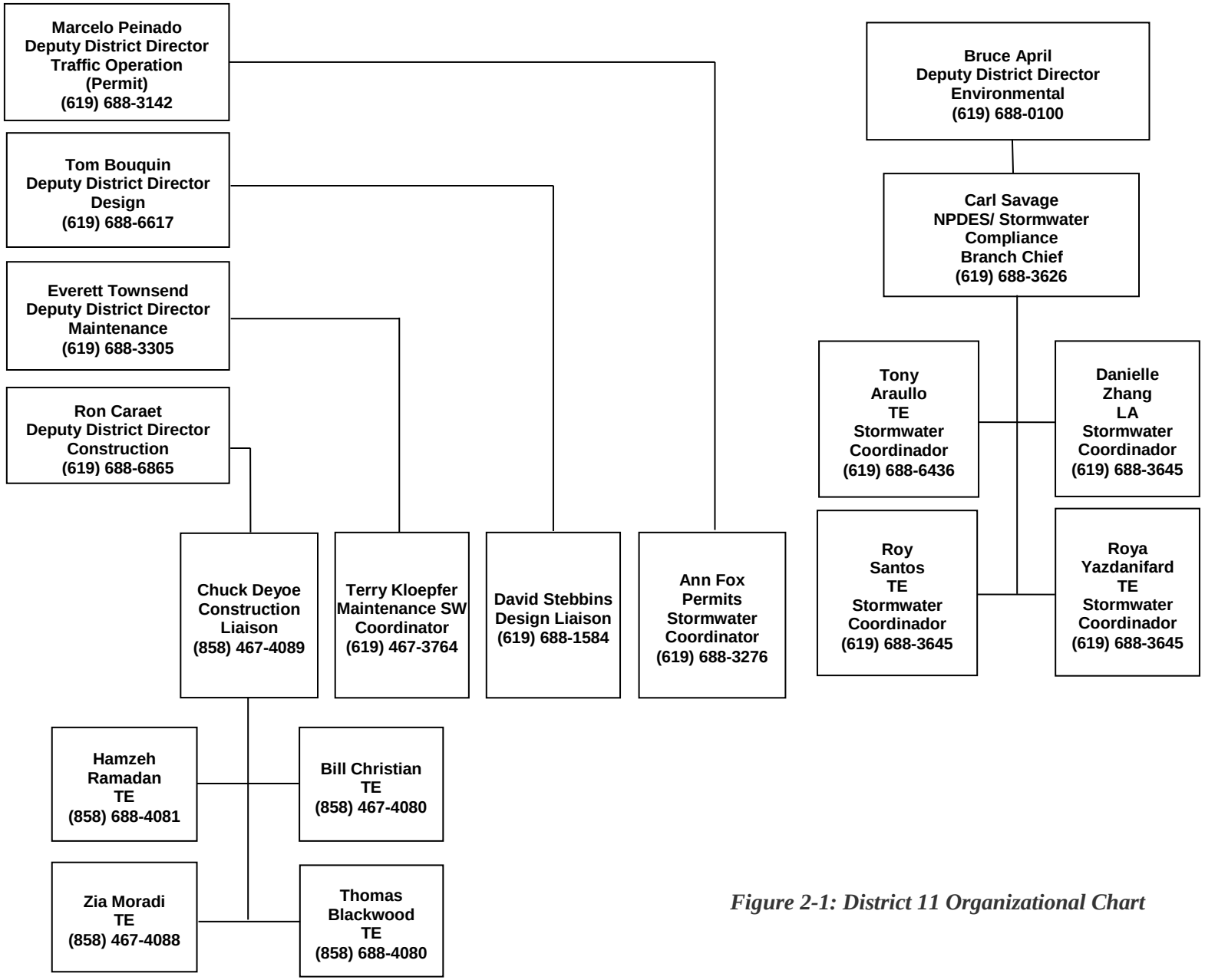

Figure 2-1: District 11 Organizational Chart

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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 high-risk areas 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, are 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	2018
78 PM 60.201-69.991	SD	San Diego Region 9	San Dieguito	2018
78 PM 73.052-73.562	SD	San Diego Region 9	San Dieguito	2018

Figure 5-1 is a map showing California State Highway System areas that required maintenance within District 11 in 2016, including rock cut slopes, landslides, and moderate soil erosion.

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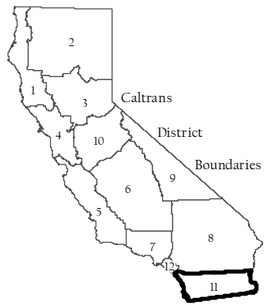


Figure 5-1: District 11

California State Highway System 2016
Areas Prone to Erosion

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

NOTE:

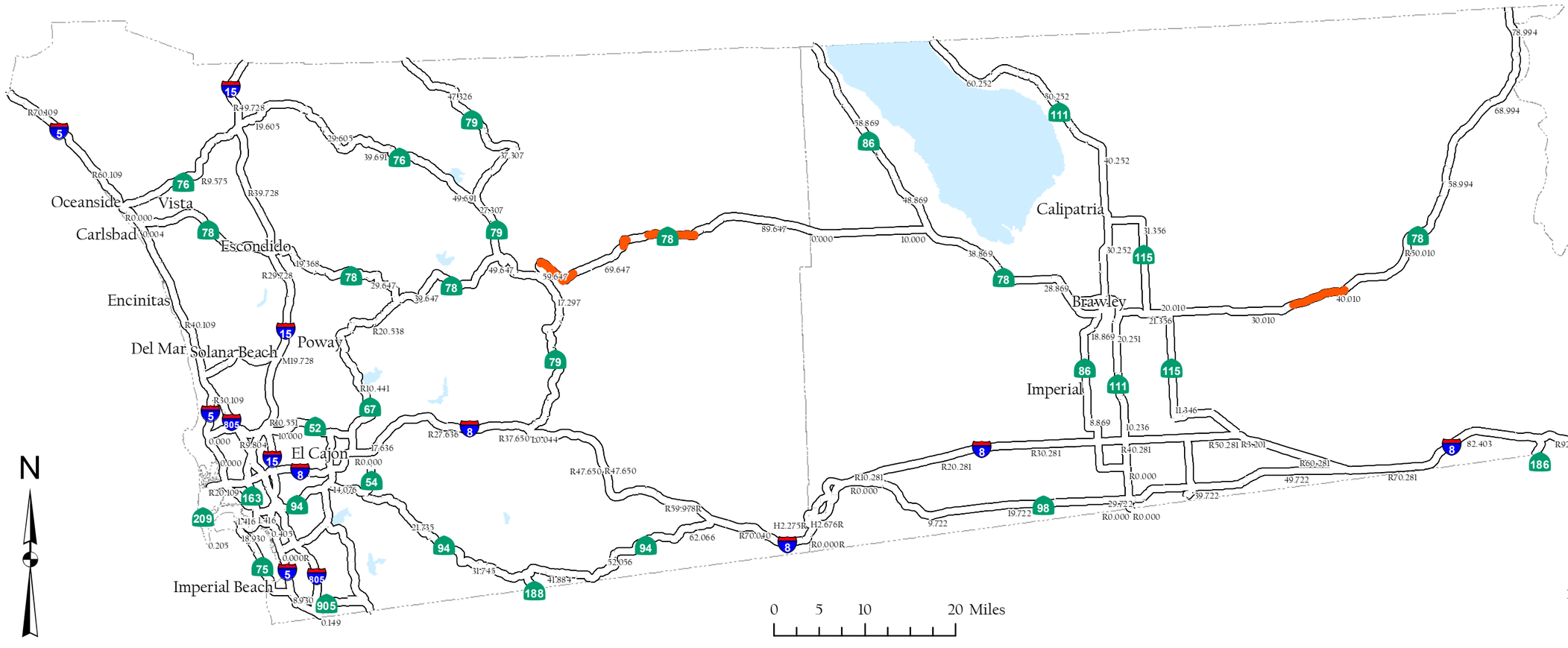
Map indicates locations of Major/Minor storm damage repair activities conducted on three (3) consecutive years by the Division of Maintenance. Erosion data obtained from IMMS.

MAP INFORMATION

Projection: Albers Meters NAD 83
Project Location: f:\gis\2016_Erosion_District11.mxd

Legend

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



State of California
Department of Transportation
Division of Maintenance GIS
August 3, 2016

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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[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	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)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
1	409601	SD	Various	Various	Various	9	Roadside Safety Improvement	Sweetwater River, Lake Murray	N	N	N	1.62	1.62	TBD	SWPPP	C	–	07/01/15	05/16/16	9/12/16
2	2E1101	SD	905	7.3	7.3	9	Mitigation Site Preservation	Otay River	N	N	N	0.67	0	0	WPCP	E	–	07/08/15	08/03/16	02/01/20
3	409801	SD	78	1.5	12.2	9	Roadside Safety Improvement	Buena Vista Creek, Buena Vista Lagoon, Buena Creek, San Marcos Creek	N	N	N	1.42	1.42	TBD	SWPPP	C	–	07/23/15	05/01/16	08/01/16
4	263311	IMP	8	R38.08	R39.02	7	Landscape Mitigation	Imperial Valley Drain, Alamo River	N	N	N	5.97	0.74	0	SWPPP	E	–	08/14/15	11/01/16	07/01/17
5	2M9201	IMP	86	8.8	11.4	7	Seal Coat & Replace HMA	Imperial Valley Drain, Alamo River, New River, Salton Sea	N	N	N	0	0	0	WPCP	E	–	08/23/15	05/01/16	10/01/16
6	300041	SD	5	R25.9	R25.9	9	Grind & Overlay	Mission Bay	N	N	N	0	0	0	WPCP	E	–	08/27/15	09/01/15	10/01/15
7	41840K	SD	15	R36.0	R37.2	9	Interchange Reconfiguration	San Marcos Creek	N	N	N	30	1.5-4.5	TBD	SWPPP	C	09/18/2015	TBD	05/01/18	04/30/2020
8	282301	SD	5	R31.7	R31.7	9	Slope Stabilization	Penasquitos Lagoon	N	N	N	0.8	0	0	WPCP	E	–	09/24/15	10/21/15	08/31/16
9	417801	SD	Various	Various	Various	9	Bridge Joint Seal	Various	N	N	N	0	0	0	WPCP	E	–	10/07/15	07/01/16	12/30/16
10	2M8601	IMP	78	R50.0	R80.7	7	Chip Seal	Palo Verde Drain	N	N	N	0	0	0	WPCP	E	–	10/09/15	07/01/16	12/30/16
11	2M8501	SD	76	34.9	40.8	9	Cold Plane, Slurry Seal	San Luis Rey River	N	N	N	0	0	0	WPCP	E	–	10/20/15	04/01/16	07/01/16
12	405701	SD	76	32.6	33.2	9	Construct Roundabout and Realign Curve	San Luis Rey River	N	N	N	6	0.6	0	SWPPP	E	–	10/22/15	01/01/17	01/01/19
13	2T1721	SD	5	R37.4	R39.8	9	Replace San Elijo Bridge and HOV	San Elijo Lagoon	N	N	N	80	25	100	SWPPP	5BS, 4D, 2ID	–	10/23/15	02/15/16	09/01/19
14	00260K	SD	56	0	9.7	9	Median Widening	Los Penasquitos Lagoon and Creek, Carmel Valley Creek, Deer canyon Creek, Soledad Canyon Creek	N	N	N	75	30	TBD	SWPPP	C	10/28/15	TBD	03/01/2020	03/01/2022
15	409701	SD	Various	Various	Various	9	Roadside Safety	San Diego River, Alvarado Canyon	N	N	N	0.43	0.4	0	WPCP	E	–	11/06/15	06/22/16	03/04/19
16	415701	SD	78	0	R16.5	9	Lighting, enhanced stripping/delineation	Buena Creek, Buena Vista Creek, Buena Vista Lagoon, San Marcos Creek	N	N	N	0.66	0	0	WPCP	E	–	11/09/15	11/01/16	09/01/17
17	2T1711	SD	5	39.8	44.1	9	Encinitas HOV Extension	San Elijo Lagoon	N	N	N	110	18	139	SWPPP	14BS	–	11/16/15	10/15/16	04/01/2020

[1] Regional Board
[2] Supplemental Environmental Projects designated as "SEP."
[3] Projects adjacent to Drinking Water Reservoirs or Ground Water Recharge Facilities are noted (DW) and (GW), respectively.
[4] Water bodies with designation for 303(d) designation are noted in parentheses.
[5] If yes, a 401 permit will be required for this project. NA = Not Available at this time.
[6] 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.
[7] 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.
[8] 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.
[9] 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.

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

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	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)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
18	2T2111	SD	5	R44.1	R47.5	9	Batiquitos Lagoon Bridge Replacement	Batiquitos Lagoon, Encinas Creek	N	N	N	94	14	174	SWPPP	12BS	–	11/17/15	09/15/16	09/01/19
19	2T2121	SD	5	R47.5	R51.2	9	Carlsbad HOV Extension	Encinas Creek, Agua Hedionda Lagoon	N	N	N	68	6.25	127	SWPPP	4ID	–	11/17/15	09/01/17	04/01/2020
20	244001	SD	5	3.9	9.2	9	Ramp Widening, Install Ramp Meter	Poggi Canyon Creek, San Diego Bay, Telegraph Canyon Creek, Paradise Creek, Sweetwater reservoir, Sweet water River	N	N	N	3.6	1.47	43.9	SWPPP	5BS	–	11/18/15	09/02/16	09/02/17
21	418000	SD	94/125	8.3	13.8	9	Outer Separation Barrier	Chollas Creek	N	N	N	0.4	0	0	WPCP	E	11/18/15	TBD	07/01/17	01/03/18
22	299301	SD	5	R48.68	R59.62	9	Bridge Joint Seal and Methacrylate	Onofre Creek	N	N	N	0	0	0	WPCP	E	–	12/11/15	07/01/16	12/31/17
23	2T2151	SD	5	R28.43	R29.46	9	Highway Improvement	Rose Creek, Soledad Canyon Creek, Mission Bay, Los Penasquitos Lagoon	N	N	N	3.93	1.09	270	SWPPP	1BS	–	11/16/15	01/01/17	03/31/18
24	295201	SD	94	59.6	60.2	9	Curve Alignment	Campo Creek	N	N	N	4.8	0.64	0	SWPPP	E		12/17/15	10/10/16	04/10/18
25	419100	SD	Various	Various	Various	9	Replace Overhead Sign Panels	Various	N	N	N	0	0	0	WPCP	E	01/04/16	TBD	10/01/16	03/01/18
26	411400	SD	125	9.6	13.2	9	Roadside Safety Improvement	Sweetwater River	N	N	N	0.5	0	0	WPCP	E	01/04/16	TBD	07/01/2020	07/01/2022
27	419701	SD	5/52	R25.6	R26.3	9	Pavement Rehabilitation	Mission Bay, Rose Canyon Creek	N	N	N	0	0	0	WPCP	E	–	01/04/16	03/01/16	05/01/16
28	408601	SD	8	T0.5	R0.7	9	Capital Improvement and Maintenance	San Diego River	N	N	N	2.3	0.11	0	SWPPP	E	–	01/04/16	11/10/16	07/10/17
29	419110	SD	Various	Various	Various	9	Replace Overhead Sign Panels	Various	N	N	N	0	0	0	WPCP	E	01/05/16	TBD	10/01/16	03/01/18
30	2T2601	SD	805	5.3	8.8	9	Widening and Sound Walls	Sweetwater River, Rice Canyon Creek, Telegraph Canyon Creek	N	N	N	2.3	1.9	100	SWPPP	1BS		01/21/16	05/01/17	05/01/19
31	237961	SD	8	R5.4	R10.6	9	Fiber Optic	San Diego River	N	N	N	0.32	0	0	WPCP	E	–	02/01/16	10/10/16	09/22/17
32	421601	SD	78	13	14.1	9	Auxiliary Lane	San Marcos Creek	N	N	N	5.05	1.44	0	SWPPP	C	–	02/04/16	01/03/17	03/16/18
33	409100	SD	8	R49.0	R49.0	9	SRRA Wastewater Treatment System Rehabilitation	Cottonwood Creek	N	N	N	2.07	0	0	SWPPP	E	02/05/16	TBD	09/18/17	06/05/18
34	416801	SD	163	2.4	3.7	9	High Friction Treatment Improvement	San Diego River	N	N	N	0.36	0	0	WPCP	E		02/08/16	08/01/16	01/01/17
35	414300	SD	79	31.3	49.9	9	Bridge Rail Upgrade and Replacement	Buena Vista Creek, Lake Hanshaw, Canada Verde Creek, Agua Caliente Creek, Some Creek, Chihuahua Creek, Temecula Creek	N	N	N	0	0	0	WPCP	E	02/09/16	TBD	10/20/17	05/18/18
36	418511	IMP	8	R40.0	R45.0	7	Pavement Rehabilitation	Alamo River	N	N	N	1.14	0	0	SWPPP	E		02/19/16	04/20/17	04/25/19

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

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	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)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
37	425600	SD	5	R19.5	R55.4	9	Fiber Optic Network and ITS Elements	Rose Canyon, Caroll Canyon, Los Penasquitos, San Deiguito River, San Elijo Lagoon, Cottonwood Creek, Aqua Hedionda Lagoon, Buena Vista Lagoon, Loma Alta Creek, San Luis Rey River and Oceanside Harbor	N	N	N	1.1	0	0	SWPPP	E	02/16/16	TBD	04/01/18	05/31/2021
38	410901	SD	5	0.3	5.4	9	Roadside Safety Improvement	Otay River, Tijuana River	N	N	N	2.6	2.6	0	SWPPP	C	–	02/29/16	04/13/17	11/03/17
39	418521	IMP	8	R83.1	R90.0	7	Pavement Rehabilitation	Colorado River	N	N	N	41.95	0.5	0	SWPPP	E	–	02/29/16	04/20/17	07/03/18
40	409001	SD	94	46.9	R58.9	9	Bridge Rail Upgrade	Campo Creek, Cottonwood Creek	N	N	N	0.002	0.001	0	WPCP	E	–	02/23/16	05/05/17	10/18/18
41	405800	SD	Various	Various	Various	9	Upgrade/Install ADA Curb Ramp	San Diego Bay, Tecolote Creek, San Diego River, Rose Creek, Sweetwater River, Chollas Creek	N	N	N	1.03	0.41	0	SWPPP	E	03/01/16	TBD	02/14/18	12/18/18
42	299100	SD	76	22.2	47.1	9	Bridge Rail Upgrade	Gomez Creek, Bompas Wash Creek, West Pauma Creek, Pauma Creek, La Jolla Amago Creek, San Luis Rey River	N	N	N	0.8	0	0	WPCP	E	03/08/16	TBD	11/13/17	09/04/18
43	397801	IMP	86	1.75	1.75	9	ADA Improvement	Alamo River, New River	N	N	N	0.1	0	0	WPCP	E	–	03/11/16	08/01/16	12/01/16
44	42490K	SD	Various	Various	Various	9	Upgrade/Install Signs	Various	N	N	N	0.1	0	0	WPCP	E	03/14/16	TBD	10/01/18	06/01/19
45	42500K	SD/IMP	Various	Various	Various	9	Upgrade/Install Signs	Various	N	N	N	0.08	0	0	WPCP	E	03/14/16	TBD	10/01/18	05/01/19
46	292000	SD	125	9.8	12.4	9	Median Erosion Repair	Sweetwater Reservoir	N	N	N	2.8	0	0	SWPPP	E	03825/16	TBD	01/01/17	06/25/18
47	411200	SD	805	0.3	4	9	Roadside Safety Improvement	Otay Valley River, Tijuana River	N	N	N	0.98	0	0	WPCP	E	03/30/16	TBD	12/26/17	08/28/18
48	085781	SD	163	4.1	4.9	9	Interchange Reconstruction	San Diego River (Lower)	N	N	N	22.1	2.9	100	SWPPP	1ID	–	03/28/16	09/01/16	01/31/19
49	2T2161	SD	5	R37.5	R46.5	9	I-5 NCC	San Elijo Lagoon, Cottonwood Creek, Batiquitos Lagoon, Encinas Creek	N	N	N	12.3	0.96	0	SWPPP	E	–	03/31/16	07/01/16	01/01/18
50	410401	IMP	8	36.5	37.5	9	I-8 and Imperial Ave. Interchange Reconstruction	New River	N	N	N	41.5	7.29	100	SWPPP	5D	–	04/27/16	12/05/17	09/11/2020
51	2M8201	SD	Various	Various	Various	9	Bridge Maintenance, Methacrylate and Joint Seal	Various	N	N	N	0	0	0	WPCP	E	–	05/03/16	05/01/17	01/01/18
52	408700	SD	8	9	15.3	9	Pavement Rehabilitation	Alvarado Creek, Forester Creek	N	N	N	1.82	0.63	0	SWPPP	E	05/19/16	TBD	08/02/17	06/02/18

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

No.	EA	Project Location					Project Description[2,3]	Water Bodies Within or Adjacent to Project Limits[4]	Dredge and Fill Activities (Y/N/NA)[5]	Other Regional Water Board Permits Required[6]	Potential and Actual Impacts of Project's Discharge[7]	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)[8]	Post-Construction Treatment Control Type, Quantity[9]	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB[1]											PA&ED Date	PS&E Date	Start Date	End Date
53	2T220K	SD	805	11.83	13.27	9	Construct BRT Lane and Transit Station	South Las Chollas Creek	N	N	N	23.5	4.7	86	SWPPP	9BS	05/23/16	TBD	04/01/2021	04/01/2024
54	403201	SD	67	R4.6	19	9	Install Centerline Channelizer, CMS and CCTV	Forester Creek Las Chollas Creed	N	N	N	0.12	0	0	WPCP	E	–	06/06/16	11/30/16	03/01/18
55	2M9401	IMP	115	R3.2	R8.5	7	Asphaltic Rubber Binder Seal Coat	Alamo River	N	N	N	0	0	0	WPCP	E	–	06/13/16	08/01/17	01/01/18
56	262201	SD	75	R20.2	R22	9	Bridge Rehabilitation (Electrical System Upgrade)	San Diego Bay	N	N	N	0.3	0.02	0	WPCP	E	–	06/13/16	09/20/17	04/05/19
57	42210K	SD	8	R23	R61.3	9	Drainage System Restoration	Los Coches Creek, Alpine Creek, Viejas Creek, Cottonwood Creek, Sweetwater River	N	N	N	30	0.1	0	SWPPP	E	06/17/16	TBD	09/12/19	12/30/2021
58	41160K	SD	8	13.4	17.4	9	Roadside Safety Improvement	Forester Creek	N	N	N	2.07	2.04	0	SWPPP	C	06/16/16	TBD	07/09/2021	01/04/2023
59	2M9601	IMP	78	15.6	R50	7	Asphalt Rubber Binder Seal Coat	Imperial Valley Drain	N	N	N	0	0	0	WPCP	E	–	06/21/16	05/01/17	11/01/17

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/ TBD/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

The District plans to:
• 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:
  o Characterize Caltrans' discharges to Chollas Creek;
  o Demonstrate compliance toward achieving WLAs identified in the TMDL; and
  o Conduct post-construction monitoring in areas where treatment BMPs have been implemented.
• Continue implementing the monitoring plan for Rainbow Creek to:
  o Characterize Caltrans' discharges to Rainbow Creek; and
  o Evaluate compliance toward achieving the WLAs identified in the TMDL for Nutrient in the Rainbow Creek Watershed.
• Review need of monitoring for Porous Pavement pilot study to characterize Caltrans' discharges in the pilot area.
• Continue to advocate future monitoring in areas where porous shoulder treatment BMPs will be implemented.

ASBS Core Monitoring Sites
• District sites include the following: o NA
ASBS Ocean Receiving Water and Reference Monitoring Sites
• District sites include the following: o NA

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7 Region-Specific Activities

Section 7 of the DWP identifies the applicable region-specific activities that District 11 has planned for the fiscal year 2017-18 to comply with Attachment V of the Conformed NPDES Permit.

Region specific requirements are not applicable to District 11.

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