

**California Department of Transportation  
Stormwater Management Program  
District 12 Work Plan**

Fiscal Year

**2015-2016**

CTSW-RT-14-316.11.1



California Department of Transportation  
Division of Environmental Analysis  
Stormwater Management Program  
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<http://www.dot.ca.gov/hq/env/stormwater>

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**California Department of Transportation  
District 12 Certification  
District Work Plan 2015-16**

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**Ryan Chamberlain**

**District 12**

9/9/14

**Date**

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# Table of Contents

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<b>1</b>	<b>Introduction .....</b>	<b>1-1</b>
<b>2</b>	<b>District Personnel and Responsibilities .....</b>	<b>2-1</b>
<b>3</b>	<b>District Facilities and Water Bodies .....</b>	<b>3-1</b>
<b>4</b>	<b>Drinking Water Reservoirs and Recharge Facilities.....</b>	<b>4-1</b>
<b>5</b>	<b>Slopes Prone to Erosion .....</b>	<b>5-1</b>
<b>6</b>	<b>Implementation.....</b>	<b>6-1</b>
<b>7</b>	<b>Region-Specific Activities .....</b>	<b>7-1</b>

## Figures

Figure 2-1: District 12 Organizational Chart .....	2-6
--	-----

## Tables

Table 2-1: District 12 Stormwater Personnel and Responsibilities.....	2-4
Table 2-2: District 12 Signatory Authority for Key Documents.....	2-5
Table 4-1: District 12 Drinking Water Reservoirs and Recharge Facilities .....	4-1
Table 5-1: District 12 Inventory of Road Segments Prone to Erosion.....	5-1
Table 6-1: District 12 Anticipated Project Development and Construction Schedule.....	6-3
Table 6-2: District 12 Anticipated Maintenance Projects .....	6-22
Table 6-3: District 12 Monitoring Activities .....	6-23

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# 1 Introduction

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## 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 12'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 2015-16. 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) (Caltrans NPDES Permit).

## District Goals and Commitments

District 12 has a continuous training program for Design, Construction, Encroachment Permits, and Maintenance staff on stormwater issues. This training includes tailgate meetings and formal classes on specific stormwater management strategies and activities. The District will be coordinating with Caltrans Headquarters to ensure that the District will be in compliance with the Caltrans NPDES Permit in addition to the development of the Statewide Stormwater Management Plan (SWMP), TMDL Coordination and the ASBS Compliance Plan. In coordination with Caltrans Headquarters developed policies, the District NPDES Stormwater Coordinator will ensure that District staff are updated with the Caltrans NPDES Permit requirements and provide adequate training to achieve compliance.

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## **2 District Personnel and Responsibilities**

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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 Deputy District Director for Environmental Analysis, the District Stormwater Coordinator (DSWC) is responsible for developing District stormwater quality policies and guidance, and daily management of the District's stormwater quality program. The DSWC is responsible for identifying issues and developing recommendations related to stormwater quality, regulated wastes, and other environmental issues that affect the District. The DSWC supervises staff, which supports and executes activities of the DSWC and the Stormwater Program. The specific stormwater tasks for which the DSWC is responsible include the following:

- Provides guidance and direction for the preparation, development, and implementation of a comprehensive District Stormwater Program, as described in the DWP.
- Oversees activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control (DTSC).
- Ensures the accuracy and adequacy of the stormwater workload allocations for each fiscal year.
- Coordinates and tracks resource distributions, workloads, and projects within the District.
- Assists the District's functional units in prioritizing, monitoring, tracking, and evaluating stormwater resources, activities, and operations.
- Implements a quality assurance and quality control program for monitoring the activities of the District's functional units, in order to ensure that the conditions of Caltrans' NPDES Permit, SWMP, and DWP are implemented properly.
- Provides guidance and direction necessary to develop strategies for addressing regulations and mandates on stormwater and waste discharges set forth by federal, state, and local regulatory agencies.
- Serves as primary contact on stormwater and waste discharge issues between the District and Headquarters, the RWQCBs, U.S. Environmental Protection Agency, and other agencies.
- Represents the District at the Stormwater Advisory Teams (SWATs) identified in the SWMP.
- Monitors and evaluates the stormwater activities and procedures of municipalities, developers, and other agencies.
- Arbitrates disputes and disagreements on policies, activities, assignments, and responsibilities regarding stormwater issues.
- Establishes impartial and equitable decisions that benefit Caltrans in attaining the objectives of the Stormwater Program.
- Works as a leader and chairperson of the District NPDES Coordination Team.

## **NPDES Stormwater Unit**

Under the direction of the DSWC, the NPDES Stormwater Unit provides technical support to District staff on water quality issues. The specific stormwater tasks for which the NPDES Stormwater Unit is responsible include the following:

- Evaluates and recommends temporary, permanent control and treatment measures for addressing project stormwater impacts.
- Identifies costs related to water pollution control, non-stormwater discharges, and waste management on programming documents.
- Develops new specifications, details, and guidance materials related to non-stormwater discharges and waste management.
- Prepares contract specifications and estimates to address the development of Stormwater Pollution Prevention Plans (SWPPPs).
- Prepares contract plans, specifications, and estimates (PS&E) to address temporary controls for non-stormwater discharges and waste management activities.
- Prepares or assists in the preparation of the contract PS&E to include permanent control measures to improve or minimize water quality impacts.
- Assists the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.

## **Environmental Liaison**

The Environmental Liaison (EL) is responsible for communicating with the DSWC for the proper implementation of the environmental portion of the SWMP and DWP. The EL ensures that the staff supports and properly executes the activities defined in the SWMP and DWP, especially the responsibilities applicable to the EL. The specific stormwater tasks for which the EL is responsible include the following:

- Evaluates stormwater impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening.
- Provides Water Quality Assessment Report (WQAR) as determined by the Environmental Document.

The Environmental Liaison reports all stormwater related environmental activities to the District NPDES Coordination Team.

## **Maintenance Coordinator**

The Maintenance Stormwater Coordinator (MSWC) is responsible for communicating with the District Division Chief (DDC) of Maintenance and the DSWC regarding the proper implementation of maintenance-related sections of the SWMP and DWP. The MSWC reports all stormwater related maintenance activities to the District NPDES Coordination team and coordinates stormwater training for maintenance staff as well as overseeing inspection of maintenance facilities and operations relative to Caltrans NPDES Permit compliance. The MSWC serves as the conduit for information between the District NPDES Coordination Team and the Maintenance Construction Coordinator.

## **Construction Coordinator**

Under the general direction of the Division of Construction, the Construction Stormwater Coordinator

(CSWC) is responsible for facilitating proper implementation of the SWMP and the DWP in construction. The CSWC coordinates all issues that involve overall compliance within the District for stormwater pollution prevention during the construction phase. The specific tasks for which the CSWC is responsible include:

- Coordinates and tracks water pollution control training of construction staff.
- Assists Resident Engineers with review of SWPPP and Water Pollution Control Program (WPCP).
- Assists the Construction Resident Engineer in providing the DSWC approved SWPPPs to the RWQCBs as requested.
- Attends or schedules CSWC representatives to participate in and attend compliance inspections for SWPPP/WPCP projects.
- Prepares Water Pollution Control guidelines for construction staff.
- Tracks the filing of the Project Registration Documents (PRDs) in the Storm Water Multiple Application and Report Tracking System (SMARTS) database for SWPPP projects.
- Supports Construction Resident Engineer in preparing reports to DSWC for submittal to the RWQCBs as requested.
- Provides oversight quality assurance inspections for SWPPP/WPCP projects.
- Provides oversight on the submittal of discharge notices and other regulatory issues by the Resident Engineers.
- Represents Construction in the District's NPDES Coordination Team Meetings.
- Provides data to the DSWC for the District's Annual Report.
- Participates on the Construction SWAT defined in the SWMP.
- Attends quarterly Construction Industry Storm Water Subcommittee meetings.

The CSWC provides support to the Construction Resident Engineer to ensure that all enforcement actions or corrections requested by the regional boards are promptly implemented, and documented. The CSWC serves as the primary conduit for information during the construction phase.

### **Right-of-Way Coordinator**

The Right-of-Way (ROW) Coordinator for the District NPDES Coordination Team is responsible for:

- Attending all District NPDES Coordination Team meetings to report on ROW activities.
- Ensuring that stormwater training is available to ROW agents tasked with property inspection responsibilities.
- Ensuring that regular property inspections include stormwater inspections.
- Maintaining documentation of the inspection findings and corrective actions.
- Disseminating information and answering questions regarding Caltrans' stormwater policy to all ROW staff involved in stormwater inspections.
- Notifying the DSWC of discharges or situations that appear to be in gross violation of Caltrans' NPDES Permit, SWMP, or DWP.

## Engineering Services (Hydraulics) Representative

The Engineering Services (Hydraulics) Representative (HR) is a member of the District NPDES Coordination Team and is responsible for providing information on permanent control measures, except those related to erosion control, which are being planned, designed, and implemented in projects. The HR ensures that the management and staff of the Hydraulics Branch know about the DWP and water pollution control efforts and commitments to minimize or prevent pollutants from being present in discharges. The HR ensures that the design processes used by the Hydraulics Branch are consistent with the DWP and the SWMP, especially those processes related to the evaluation, selection, and design of permanent control and treatment control measures.

## Encroachment Permits Coordinator

The Encroachment Permits Coordinator is a member of the District NPDES Coordination Team and is responsible for ensuring that the District Office of Encroachment Permits complies with the Caltrans NPDES Permit, SWMP, and DWP. The Office of Encroachment Permits is responsible for issuing encroachment permits to local agencies, utility companies, and others (i.e. film production companies, marathon sponsors, etc.) requesting an encroachment into Caltrans' ROW for conducting construction, maintenance, or other activities consistent with their organization. The Encroachment Permits Coordinator ensures that all encroachment permits issued to those encroaching into Caltrans' ROW comply with the Caltrans NPDES Permit in a manner that is consistent with what is required of Maintenance, Construction, and Design.

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

*Table 2-1: District 12 Stormwater Personnel and Responsibilities*

Staff Name	Title	Phone No.	E-mail	Responsibility
Grace Piña-Garrett	District NPDES/ Stormwater Coordinator	(949) 724-2189	grace.pina-garrett@dot.ca.gov	Primary contact for all District NPDES/Stormwater issues. Oversees the District NPDES/Stormwater Unit and coordinates with the other NPDES/Stormwater functional units within the District.
Hector Salas	Environmental Specialist, Environmental Liaison	(949) 724-2625	hector.salas@dot.ca.gov	Under the direction of the District's NPDES/Stormwater Coordinator, the Environmental Specialist ensures Caltrans NPDES Permit compliance from all functional units. Contacts and submits all information to the RWQCB; Environmental Liaison to the District NPDES/ Stormwater Coordinator. Reviews projects in the planning and environmental document phase. Prepares Technical Water Quality Documents for Caltrans projects.
Mark Doroudian	Construction Stormwater Coordinator	(949) 724-2133	mark.doroudian@dot.ca.gov	Assisting Resident Engineers with review of SWPPP and WPCP. Liaison between field construction and District NPDES Stormwater coordinator.
Richard Reed/ Ray Parker	Maintenance Stormwater Coordinator	(949) 440-3413	richard.reed@dot.ca.gov	Liaison between Maintenance field crews and District NPDES/ Stormwater Coordinator. Inspects Maintenance facilities and provides training to Maintenance field personnel.

*Table 2-1: District 12 Stormwater Personnel and Responsibilities*

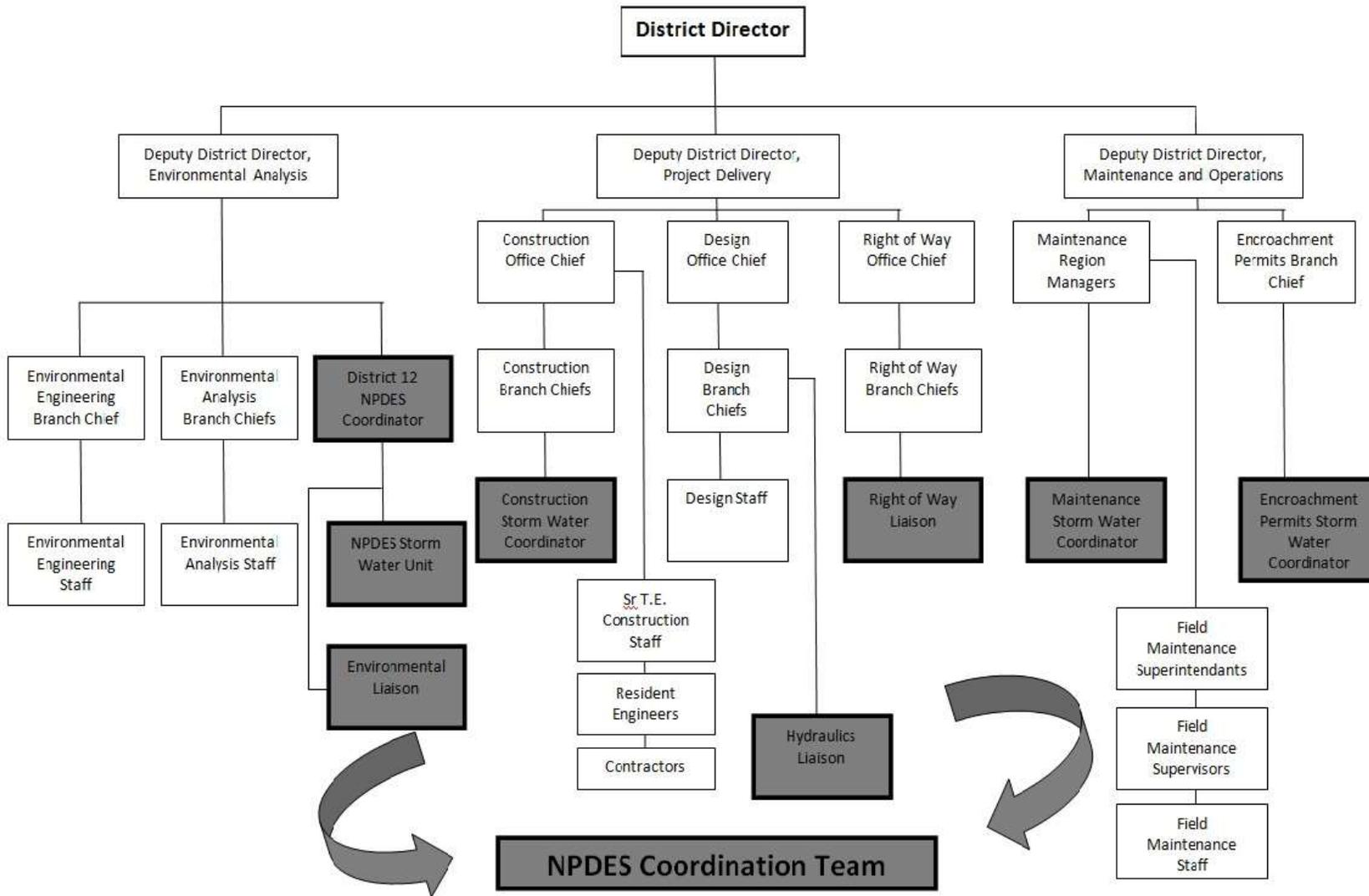
<b>Staff Name</b>	<b>Title</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Responsibility</b>
Shawn Romouzi	Permits Coordinator	(949) 724-2080	-	Permits Liaison to the District NPDES/Stormwater Coordinator. Reviews SWPPPs/WPCPs and conducts routine project inspections for Encroachment Permits. District 12 Permits liaison to Headquarters Office of Permits and other Districts Stormwater Coordinators.
-	Right of Way Coordinator	-	-	Conducts Airspace Lease Inspections for Water Quality

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 Caltrans NPDES Permit and SWMP required documents.

*Table 2-2: District 12 Signatory Authority for Key Documents*

<b>Position or Individual</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Documents Authorized for Signatures</b>
Ryan Chamberlain, District Director	(949) 440-3440	ryan.chamberlain@dot.ca.gov	All District Documents, Legally Responsible Person (LRP)
Sylvia Vega, Deputy District Director, Environmental Analysis	(949) 724-2018	sylvia.vega@dot.ca.gov	All District Documents except District Work Plan
Grace Piña-Garrett, DSWC	(949) 724-2189	grace.pina-garrett@dot.ca.gov	All District Documents except District Work Plan
Resident Engineers	-	-	SWPPP, Notice of Intent (NOI), Notice of Termination (NOT), Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification, Annual Report, Numeric Action Level (NAL) Exceedance Report
Patty Ruiz Interim Office Chief, Construction	(949) 724-2170	-	Backup Legally Responsible Person (LRP)
Reza Aurasteh, Branch Chief, Environmental Engineer	(949) 724-2738	reza.aurasteh@dot.ca.gov	Notice of Soil Reuse with Aerially Deposited Lead (ADL)
Maintenance Storm Water Coordinator	-	-	Facility Pollution Prevention Plans (FPPP)

Figure 2-1: District 12 Organizational Chart



### **3 District Facilities and Water Bodies**

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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 12 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 12 is presented in Table 4-1.

*Table 4-1: District 12 Drinking Water Reservoirs and Recharge Facilities*

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
SR-91, PM008.57/ 018.91  SR-90 PM 12.7/ 12.8	Orange	Santa Ana	Santa Ana River Recharge Basins/ Orange County Water District	<p>The Orange County Water District (OCWD) is responsible for managing the underground water reserves that supply about 500 wells within district boundaries. About 270,000 acre-feet of water is pumped for use each year. Groundwater reserves are maintained by a recharge system, which replaces water pumped from wells. OCWD's facilities have a recharge capacity of approximately 300,000 acre-feet per year. About two million people depend on this source for more than three-quarters of their water.</p> <p>Along a six-mile section of the Santa Ana River that belongs to OCWD, a system of diversion structures and recharge basins captures most of the water that would otherwise flow into the Pacific Ocean. The district has 1,500 acres of land for use in its recharge program.</p> <p>SR-91 is parallel to the Santa Ana River, upstream from the OCWD Recharge Basins and discharges directly into the Santa Ana River. SR-90 (Imperial Highway) crosses the Santa Ana River upstream from the OCWD Recharge Basins.</p>	-

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## 5 Slopes Prone to Erosion

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Section 5 of the DWP identifies the road segments within District 12 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 12'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 12 Inventory of Road Segments Prone to Erosion*

Road Segment	County	Regional Board	Watershed	Scheduled Stabilization Date
None	-	-	-	-

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## 6 Implementation

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Section 6 of the DWP identifies the specific projects in which work is planned during the fiscal year within the Project Initiation Document (PID), Project Approval/Environmental Document (PA/ED), 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 PID, 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 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
1	12-OH160	ORA	001	25.89	29.89	8	CAPITAL PREVENTIVE MAINTENANCE (CAPM) - RESURFACE PAVEMENT. N SR-1 FROM GOLDENWEST ST TO WARNER AVENUE	Huntington City Beach, Bolsa Chica State Beach	None	-	-	0.236	0	0%	WPCP	Exempt	-	8/30/2005	3/28/2014	9/16/2014	5/1/2016
2	12-OH160	ORA	001	25.9	29.9	8	CAPITAL PREVENTIVE MAINTENANCE - RESURFACE THE PAVEMENTS N SR-1 FROM GOLDENWEST ST TO LOS ANGELES/ORANGE COUNTY LINE	Huntington City Beach, Bolsa Chica State Beach	None	-	-	0.236	0	0%	WPCP	Exempt	-	8/30/2005	1/15/2014	10/1/2014	5/1/2016
3	12-OM650	ORA	001	17.4	23.7	8	0.1' RHMA TYPE G OVERLAY. OC. IN NEWPORT BEACH AND HUNTINGTON BEACH FROM JAMBOREE RD TO BEACH BLVD	Lower Newport Bay	None	-	-	0	0	0%	WPCP	Exempt	-	10/1/2016	3/15/2017	6/15/2017	12/1/2018
4	12-ON400	ORA	001	5.8	5.8	9	INSTALL LIGHT GUARD SYSTEM, SIGNING & STRIPING, AND ADA IMPROVMENT. CITY OF LAGUNA BEACH, ON PCH AT EAGLE ROCK WAY RT/TABLE ROCK DR.	Pacific Ocean	None	-	-	0.001	0	0%	SWPPP	Exempt	-	-	-	-	-
5	12-OM470	ORA	001	22.734	24.551	8	MODIFY SIGNALS, STRIPING, ADD/T SAFETY LIGHTNING, ADA IMPROVEMENTS. RTE 1 @ BROOKHURST ST. (22.090), MAGNOLIA ST (22.734), NEWLAND ST (23.271), LAKE (1ST) ST (24.551) GOLDENWEST ST (25.890) AND WARNER AVE (29.890)	Santa Ana River, Huntington Harbour, Talbert, Huntington Beach, Channel, Bolsa Chica Harbour, Wintersburg Channel	None	-	N/A	0.36	N/A	N/A	WPCP	N/A	-	6/28/2013	11/1/2016	5/1/2017	11/30/2018
6	12-OM820	ORA	001	10	10.53	9	On Route 1, upgrade sidewalk & pedestrian facilities to ADA standards (PM 7.93-10.53) On Route 1, upgrade sidewalk & pedestrian facilities to ADA standards (PM 7.93-10.53)	Boat Canyon, Laguna Canyon Channel, Blue Bird Canyon Creek	None	-	N/A	1.4	N/A	N/A	SWPPP	N/A	6/18/2014	-	-	7/1/2019	7/1/2020
7	12-OL610	ORA	001	19.1	19.1	-	PEDESTRIAN BRIDGE OVERCROSSING IN NEW PORT BCH CAMPUS AND DOVER ST PEDESTRIAN BRIDGE OVERCROSSING	Pacific Ocean	-	-	-	-	-	-	-	-	-	10/1/2014	9/8/2015	9/8/2015	9/9/2015
8	12-OM990	ORA	001	9.31	9.39	-	REPLACE DELAMINATED BOX CULVERT BRIDGE. OC. ON RTE 1 (PCH).	Pacific Ocean	-	-	-	-	-	-	-	-	-	1/15/2015	6/15/2017	1/26/2018	1/28/2019
9	12-ON260	ORA	001	11.49	11.85	-	SLOPE STABILIZATION FOR SOURCE CONTROL. OC. ALONG NB SR-1 BETWEEN IRVINE COVE UC AND MORO CREEK.	Pacific Ocean	-	-	-	-	-	-	-	-	-	1/8/2016	4/12/2017	11/9/2017	11/6/2018

<sup>1</sup> Regional Board

<sup>2</sup> Supplemental Environmental Projects designated as "SEP."

<sup>3</sup> Projects adjacent to Drinking Water Reservoirs or Ground Water Recharge Facilities are noted (DW) and (GW), respectively.

<sup>4</sup> Water bodies with designation for 303(d) designation are noted in parentheses.

<sup>5</sup> If yes, a 401 permit will be required for this project. NA = Not Available at this time.

<sup>6</sup> 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.

<sup>7</sup> 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.

<sup>8</sup> 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.

<sup>9</sup> 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 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
10	12-0N480	ORA	001	19.6	19.8	-	Reconstruction of existing intersection to the West & Adding a third WB lane & a WB right turn In on PCH; PCH and Old Newport Blvd. intersection in City of Newport Beach.	Newport Bay	None	None	-	>1.0	-	-	SWPPP	-	-	8/29/2014	11/3/2015	5/12/2016	5/16/2017
11	12-0N850	ORA	001	24.851	32.721	-	(1) Modify Signals (2) Refresh Pavement delineation (3) Safety lighting and (4) Update ADA to current Standards. Route 01 (Pacific Cost HWY ) at seal Beach BLVD. In the City of Seal Beach.	Anaheim Bay	No	-	-	< 1.0	-	-	WPCP	-	-	-	-	-	-
12	12-0N910	ORA	001	18.2	18.2	8	Remove and replace a damaged section of concrete slope paving with rock slope paving to remedy the tidal action from further deterioration. In Orange County, in the City of Newport Beach, at the North Arm Newport Bay Bridge 55-0614	Newport Bay	Yes	401 Cert	-	< 1.0	0	0%	WPCP	None	-	-	-	-	-
13	12-0N930	ORA	001	20.38	21	8	Clean and Rehab 2000 feet of 8x5 ft. RCB, from Superior Ave. to Semeniuk Slough. In the City of Newport Beach.	Santa Ana River	Yes	-	-	-	-	-	-	-	-	-	-	-	-
14	12-0C890	ORA	005	30.3	34	8	PROVIDE A SECOND HOV LANE IN BOTH DIRECTIONS IN THE CITY OF TUSTIN AND SANTA ANA	Santa Ana River Reach 2, Santiago Creek Reach 4	ACOE 404	-	-	Alt 2 - 8.56, Alt 3 - 1.03, Alt 4 - 0.60	1.45	2%	SWPPP	TBD	-	10/1/2014	11/1/2016	5/1/2017	5/1/2019
15	12-0L92U	ORA	005	0	29.6	8 and 9	Upgrade Pedestrian Facilities w/in CT R/W to Current ADA Standards. IN ORANGE COUNTY AT VARIOUS LOCATIONS FROM SAN DIEGO COUNTY LINE TO 0.7 MILE SOUTH OF ROUTE 55	Var	None	None	-	< 1.0	0	0%	WPCP	None	-	10/1/2013	6/30/2014	3/2/2015	5/2/2017
16	12-0M840	ORA	005	16.5	42	-	REMOVE & RAPLACE DAMAGED SIGNS, SIGNALS, & LIGHTS.	Santa Ana River, Reach 2; Pacific Ocean	None	-	-	0.005	0	0%	WPCP	Exempt	-	12/2/2013	2/26/2014	5/16/2014	9/28/2015
17	12-0N070	ORA	005	19.7	20	-	GROOVING, OGAC, POLYESTER CONCRETE, RESTRIPIING, AND MBGR UPGRADE. ON I-5 FR. LAKE FOREST DR. TO EL TORO RD NB/SB. I-5 ON-RAMP FR. WB AT BAKE PKWY & I-5 SB OFF TO SB SR- 55. 73/55 CONNECTOR TO SB 73.	Aliso Creek, San Diego Creek Reach 2, El Modeno Irvine Channel, Santiago Creek, Paularino Channel	None	-	-	0.0689	0	0%	WPCP	Exempt	-	6/26/2014	10/28/2015	4/1/2016	1/11/2017
18	12-0L850	ORA	005	14.79	31.6	8 and 9	12-0L850 CONTINUOUS ACCESS ON HOV	Carbon Creek Channel, Anaheim Barber Channel, Santa Ana River, Santiago Creek, El Modena Irvine Channel, Peters Canyon Wash, Agua Chinon, Serrano Creek, San Diego Creek, Aliso and Oso Creeks.	None	None	None	0	0	0%	WPCP	None	-	9/2/2014	8/25/2016	1/16/2017	1/29/2018
19	12-0M980	ORA	005	17.752	19.104	-	INTERCHANGE RECONFIGURATION.OC. ON I-5/EL TORO INTERCHANGE IN THE CITY OF LAKE FOREST, LAGUNA HILLS, AND LAGUNA WOODS.	San Diego Creek	-	-	-	-	-	-	SWPPP	-	-	3/30/2017	4/1/2020	4/2/2020	6/14/2024

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
20	12-0N330	ORA	005	12.8	21.6	-	Replace conc. slabs, overlay ramps & OC/UC FWY Lanes; Upgrade MBGRs, curb ramps, crash cushions; replace roadway signs, traffic delineations, dikes. Also overlay several under crossings, NB on/off ramps & SB on/off ramps. NB & SB Rte 5 from NB Avery Parkway gore point (PM 12.8) to I-5/405 separation (PM 21.6).	Oso Creek, Aliso Creek and San Diego Creek	None	None	None	0.29	0	0%	WPCP	None	-	5/28/2014	6/30/2015	2/2/2016	8/1/2017
21	12-0K160	ORA	005	23.58	-	8	Irvine-extend Technology Dr	San Diego Creek	None	None	None	0.68	0.53	40%	SWPPP	MS4 Treatment device maintained by city of Irvine (Biofiltration Planter Box BMP)	-	6/2/2014	-	-	5/3/2017
22	12-0L070	ORA	005	0	6.8	-	RUBBERIZED HOT MIX ASPHALT TYPE O OVERLAY IN OC. CITY OF SAN CLEMENTE FROM ORA/SAN DIEGO COUNTY LINE TO PCH	Channels tributary to San Juan Creek and Pacific Ocean	None	None	None	0	0	0%	WPCP	N/A	-	5/18/2016	3/15/2017	7/15/2017	7/1/2019
23	12-0K020	ORA	005	12.4	18.9	8 and 9	CAPACITY INCREASE AND OPERATIONAL IMPROVEMENTS TO I-5: HOV, LANE, AND AUX LANE ADDITIONS, AND INTERCHANGE RECONFIGURATIONS FROM 0.5 MILES SOUTH OF SR-73 TO 0.2 MILES NORTH OF EL TORO RD.	Oso Creek, Aliso Creek, La Paz Channel, Trabuco Creek, San Juan Creek, San Diego Creek-Reach 2.	ACOE 404	DeMinimus and 401 Certification	Pollutants of concern for the 303(d) waterbodies	137 (max.)	33 (max.)	TBD	SWPPP	Bioswales, Biostrips, and possible Det./Infilt. Basins	-	6/5/2014	12/29/2017	6/21/2018	5/6/2021
24	12-0F96A	ORA	005	3	3.7	9	ADD ONE HOV LANE OC. I-5 FROM SOUTH OF AVENIDA PICO TO SOUTH OF AVENIDA VISTA HERMOSA	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG919002, 401	No	801	3	13.04%	SWPPP	BSW, ASF	-	10/26/2011	5/2/2014	12/4/2014	9/4/2018
25	12-0F96C	ORA	005	3.7	6.2	9	ADD ONE HOV LANE OC. I-5 FROM SOUTH OF AVENIDA PICO TO SOUTH OF AVENIDA VISTA HERMOSA	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG919002	No	39.3	7.6	13.45%	SWPPP	BST, BSW	-	10/26/2011	8/30/2013	7/3/2014	9/1/2017
26	12-0F96E	ORA	005	6.2	8.7	9	ADD ONE HOV LANE OC. I-5 FROM SOUTH OF AVENIDA PICO TO SOUTH OF AVENIDA VISTA HERMOSA	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG919002	No	19.7	2.6	8.64%	SWPPP	BSW, EDB	-	10/26/2011	4/29/2013	12/20/2013	3/6/2017
27	12-0N290	ORA	005	14.5	20.5	-	REMOVE & REPLACE AC ON VARIOUS RAMPS. On RTE 5, PM: 12.8/32.5 & on RTE 57 AT PM: 13.2/19.9, on RTE 261 PM:0.05	-	-	-	-	-	-	-	-	-	-	10/16/2013	1/30/2014	5/23/2014	10/1/2015
28	12-0F060	ORA	005	5.6	6	9	WIDEN ROAD AND BRIDGE, PLACE HMA IN ORANGE COUNTY IN SAN CLEMENTE AND DANA POINT FROM 0.1 MILE SOUTH OF CAMINO DE ESTRELLA OVERCROSSING TO 0.2 MILES SOUTH OF VIA CALIFORNIA OC AT CAMINO DE ESTRALLA	San Mateo Creek and San Clemente Coastal Streams	No	No	-	5.49	1.13	3%	SWPPP	2 BSW	-	1/29/2008	9/15/2010	2/24/2012	1/2/2015
29	12-0L730	ORA	005	14.79	14.8	9	EXTEND SHORT SEAT HINGES & ADDRESS SEISMIC VULNERABILITY CONCERNS. OC. IN CITY OF MISSION VIEJO ON I-5 AT POSTMILE 14.79/14.80	Oso Creek	No	No	No	3	0.013	-	SWPPP	N/A	-	5/16/2014	2/1/2018	-	-

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No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period		
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date	
30	12-0M490	ORA	005	1.2	2.2	9	ENHANCE CURVE, BUILD UP THE APPROACH & DEPT FROM THE BRIDGE AND INSTALL OVERHEAD WARNING SIGN SB I-5 AT EL CAMINO REAL UC.	San Clemente Coastal Streams Watershed through its tributaries Los Lobos Storm Channel, Riviera Storm Channel and Alessandro Storm Channel	No	No	-	2.1	0.72	4.60%	SWPPP	N/A	-	11/1/2013	4/1/2016	12/5/2016	7/2/2019	
31	12-0K670	ORA	005	21.2	31.1	8	PROVIDE NEW LANES ON BOTH DIRECTION AND IMPROVE THE INTERCHANGE AT THE Y (EL TORO) IN OC. ON I-5 FROM SR-55 TO EL TORO INTERCHANGE.	San Diego Creek	-	-	-	> 1.0	-	-	SWPPP	-	-	12/1/2016	8/7/2019	3/11/2020	6/23/2023	
32	12-0L280	ORA	005	8.8	8.8	9	WIDENING OF SAN JUAN CREEK RD. IN CITY OF SAN JUAN CAPISTRANO ON RTE 5 @ SAN JUAN CREEK RD UNDERCROSSING.	San Juan Creek	-	-	-	-	-	-	-	-	-	5/13/2015	5/1/2016	6/30/2016	6/29/2017	
33	12-0L920	ORA	005	0	29.6	9	UPGRADE PEDESTRIAN FACILITIES W/IN CT R/W TO CURRENT ADA STANDARDS. I-5 FROM ORANGE CO/SAN DIEGO COUNTY LINE TO LAKE FOREST DRIVE.	San Clemente Coastal Streams, San Juan Creek, Oso Creek	-	-	-	-	-	-	-	-	-	10/1/2013	-	-	-	
34	12-0M120	ORA	005	28.42	28.42	8	CONVERT THE TWO-LANE ON-RAMP TO THREE-LANE ON-RAMP (ONE HOV & TWO GP LANES) NB I-5 ON-RAMP FROM TUSTIN RANCH RD , CITY OF TUSTIN	Peters Canyon Wash	-	-	-	-	-	-	-	-	-	10/31/2014	3/12/2015	11/10/2015	9/19/2016	
35	12-0M560	ORA	005	12.8	12.8	9	WIDEN OFF-RAMP & ADD DECELERATION LN NB I-5 OFF-RAMP AT AVERY PARKWAY, MISSION VIEJO.	Oso Creek	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	12-0N080	ORA	005	33.3	34.5	8	Enhance Highway worker safety with access gates and other measures. IN SANTA ANA ON RT 5 FR BROADWAY TO SANTA ANA RIVER 4600. RTE 22 FROM SANTA ANA RIVER TO MAIN ST (PM 9.8/ 11.0). ON RT 57 FR. RT 5 TO CHAPMAN (PM 10.6/11.3).	Santa Ana River	-	-	-	-	-	-	-	-	-	-	2/1/2016	10/1/2016	5/1/2017	5/1/2018
37	12-0N280	ORA	005	33.67	33.69	8	Groove PCC Pavement, drainage improvement, delineation, and lighting. NB RTE Connector to WB RTE 22 in the City of Orange.	Santiago Creek	-	-	-	-	-	-	-	-	-	-	7/30/2015	10/28/2016	3/1/2017	2/12/2018
38	12-0N510	ORA	005	31	33.3	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. On I-5: In Santa Ana from 4th St. to Broadway.	Santa Ana river	-	-	-	-	-	-	-	-	-	-	4/1/2018	4/1/2019	10/1/2019	10/1/2020
39	12-0N640	ORA	005	34.5	37.41	8	Grooving existing PCC, install new delineation, install new loops and modify MBGR as needed. In Route 05 from Santa Ana river to Harbour Blvd., in Cities of Orange and Anaheim.	Santa Ana River	No	-	-	-	-	-	-	-	-	-	6/30/2015	12/1/2016	6/1/2017	3/1/2018
40	12-0N650	ORA	005	22	24.22	-	Resurface AC surface with OGAC, install Approx. 3500 LF of MBGR, and install new delineation. In Route 05 from Bake pkwy to Jeffrey Rd. in city of Irvine.	San Diego Creek	No	No	-	<1.0	-	-	WPCP	-	-	-	7/1/2015	7/18/2017	6/2/2017	3/5/2018

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No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
41	12-0N670	ORA	005	1.8	3.4	-	Install 3 new HOV overhead sign structure per California MUTCD 2012 Edition. In City of San Clemente, on NB route 05 between Avenida Presidio off ramp to E of Avenida Palizada.	San Clemente Coastal Streams	-	-	-	-	-	-	-	-	-	2/1/2015	1/4/2016	8/29/2016	8/30/2017
42	12-0M490	ORA	005	1.2	2.2	9	ENHANCE CURVE, BUILD UP THE APPROACH & DEPT FROM THE BRIDGE AND INSTALL OVERHEAD WARNING SIGN SB I-5 AT EL CAMINO REAL UC.	San Clemente Coastal Streams Watershed through its tributaries Los Lobos Storm Channel, Riviera Storm Channel and Alessandro Storm Channel	No	No	No	2.1	0.72	4.60%	SWPPP	N/A	-	11/1/2013	4/1/2016	12/5/2016	7/2/2019
43	12-0F060	ORA	005	5.6	6	9	WIDEN ROAD AND BRIDGE, PLACE HMA IN ORANGE COUNTY IN SAN CLEMENTE AND DANA POINT FROM 0.1 MILE SOUTH OF CAMINO DE ESTRELLA OVERCROSSING TO 0.2 MILES SOUTH OF VIA CALIFORNIA OC AT CAMINO DE ESTRELLA	San Mateo Creek and San Clemente Coastal Streams	No	No	No	5.49	1.13	3%	SWPPP	2 BSW	-	1/29/2008	9/15/2010	2/24/2012	1/2/2015
44	12-0J61U	ORA	005 / 405	19.2 / 0.0	22.2 / 1.2	8	HIGHWAY PLANTING FOR STORM WATER MITIGATION ON I-5 FROM LAKE FOREST DR. TO ALTON PKWY AND ON SR-405 FROM I-5 TO 0.2 MILES NORTH OF IRVINE CENTER DRIVE.	San Diego Creek - Reach 2, Serrano Creek Channel	None	None	Pollutants of concern for 303(d) waterbodies	64	0.95	N/A (in landscape areas)	SWPPP	Biostrips and swales	-	12/1/2012	2/4/2014	10/1/2014	12/1/2018
45	12-06820	ORA	022	0.7	0.7	-	WIDEN OC BOLSA CHICA RD OC AT RTE 22 & 405	Bolsa Chica Channel	-	-	-	> 1.0	-	-	SWPPP	-	-	7/2/2019	7/2/2021	3/1/2022	8/15/2023
46	12-0716U	ORA	022	0.6	24	8	HIGHWAY REPLACEMENT LANDSCAPE IN THE CITIES OF SEAL BCH, GARDEN GROVE, LOS ALAMITOS & WESTMINSTER. I-405:PM 20.5/24.0, I-605:PM 0/1.0 SR-22:PM 0.6/1.0.	Los Alamitos Channel	-	-	-	-	-	-	-	-	-	3/26/2003	8/1/2015	2/1/2016	2/1/2020
47	12-08790	ORA	022	7.8	7.8	-	MODIFY INTERCHANGE IN GARDEN GROVE AT HARBOR BLVD UC BR #55-0376	East Garden Grove Wintersburg Channel	-	-	-	-	-	-	-	-	-	7/2/2019	12/16/2020	7/2/2021	7/4/2022
48	12-0J870	ORA	022	9.7	10.5	-	REDIRECT NB I-5 TRAFFIC FROM CDR TO SR-22 MAINLINE, RESTRICT SR-22 MAIN LINE ACCESS & SB I-5 CONNECTOR EB SR-22 & COLLETOR DISTRIBUTO ROAD, FR THE CITY DRIVE TO SR-22/I- 57 INTERCHANGE	Santa Ana River	No	-	-	<1.0	-	-	WPCP	-	-	7/2/2019	11/30/2021	7/2/2022	10/6/2025
49	12-0M900	ORA	022	8	10.7	-	IMPROVE/CONFIGURE CHANNELIZATION REMOVE APPROX 2/3 OF CONC BARRIER INSTALL, ADJUST & ADD TRAFFIC CD EB RTE 22 FROM HARBOR BLVD TO 5/57 INTERCHANGE..	Santa Ana River	No	-	-	<1.0	-	-	WPCP	-	-	12/3/2015	4/6/2017	11/5/2017	10/19/2018
50	12-0N920	ORA	022	8.7	8.7	-	Upgrade Drainage System at the Haster Off-Ramp. In the City of Garden Grove.	Santa Ana River	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
51	12-0L380	ORA	039	1.13	19.17	8	INSTALL NEW & UPGRADE CURB RAMPS AT VARIOUS LOCATIONS ON SR-39 FROM INDIANAPOLIS TO IMPERIAL HWY.	Tributaries of Talbert Channel; East Garden Grove Wintersburg, Westminster, Anaheim Barber City, and Stanton Storm Channels; Carbon Creek, Fullerton Creek and Coyote Creek.	None	None	None	1.5	1.45	420%	SWPPP	None	-	12/23/2010	9/25/2012	8/25/2013	5/25/2015
52	12-0L970	ORA	039	2.1, 3.1, 6.14	2.1, 3.1, 6.14	8	ADD SAFETY LIGHTING, MODIFY SIGNALS AND PAVEMENT MARKING, ADA UPDATE OC. ON SR-39 AT YORKTOWN AVE (PM: 2.1), MAIN/ELLIS ST. (PM: 3.1) MCFADDEN AVE (PM:6.1).	Receiving water bodies vary. Major water bodies are: East Garden Grove Wintersburg Channel and Oceanview Channel	None	None	None	0.3	0	0%	WPCP	None	-	6/22/2012	1/31/2013	10/4/2013	8/26/2015
53	12-0M520	ORA	039	20.171	20.171	-	MODIFY SIGNALS, ADD SAFETY LIGHTING REFRESH PAVEMENT & ADA UPGRADES. ON SR-39 @ INTERSECTIONS OF ATLANTA AVE (PM 0.361), LINCOLN AVE (PM 12.685), LA HABRA BLVD (PM 20.17) & ON SR-91 AT PM 1.015, PM R1.673, PM 5.398.	Huntington Beach Channel, East Garden Grove Wintersburg Channel, Carbon Creek Channel and Coyote Creek	None	None	None	0.28	0	0%	WPCP	None	-	6/30/2014	8/9/2016	1/19/2017	3/27/2018
54	12-0H270	ORA	039	9.87	10.5	-	REHABILITATE DRAINAGE SYSTEMS, ALLEVIATE FLOODING.NB SR-39 BETWEEN BEVER & KATELLA	Chapman-Beach Storm Drain, Rosalia Storm Channel tributary to Anaheim Barber city Channel as well as Stanton Storm Channel	-	-	-	0.22	0	0%	WPCP	N/A	5/4/2010	7/1/2015	12/1/2016	6/2/2017	5/25/2018
55	12-0M880	ORA	039	1	8.7	8	CULVERT CLEANING AND LINING.OC. IN MISSION VIEJO, ANAHEIM AND ORANGE.IN OC - IN THE CITY OF HUNTINGTON BEACH FROM ADAMS AVE TO MAIN ST.	Huntington Beach Storm Drain, Adam Storm Drain and Huntington Beach Channel	No	Dewatering PermitR9-2008-2002 CAG919002	No	0.1	0	0%	WPCP	N/A	-	10/8/2013	1/15/2014	4/22/2014	10/1/2015
56	12-0N240	ORA	039	0	6	-	Repair curb and gutter and sidewalk In Orange County, In Seal Beach, Newport Beach, Huntington Beach and Westminster. On route 39 PM 0/6 and on Route 1 PM 19/33.7.	Westminster Channel, East GG-Wintersburg Channel, Ocean View Channel, Midway City Storm Drain, Huntington Beach Storm Drain, Huntington Beach Pump Station and Adams Storm Drain	No	No	No	0	0	0%	WPCP	N/A	-	-	8/29/2014	1/2/2015	12/30/2015
57	12-0J640	ORA	055	7.6	9.9	8	REVEGETATION OF EXPOSED SLOPES FOR NPDES CONCERNS AND SOURCE CONTROL	Santa Ana Del Hi Channel	-	-	-	-	-	-	SWPPP	-	-	11/1/2013	6/2/2014	1/1/2015	10/1/2015
58	12-00550	ORA	055	7	7.9	8	CONST OVERCROSSING AT ATLANTA AVE OVER SR-55 & HOV ACCESS RAMPS IN SANTA ANA.	Lane Channel discharging into San Diego Creek Reach 2.	None	None	None	2.65	7.42	11%	SWPPP	None	-	4/13/2006	9/14/2016	11/9/2016	10/10/2018

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No.	EA	Co.	Route	Project Location			Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period	
				Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
59	12-0M360	ORA	055	2.02 10.98	2.40 11.79	8	CONSTRUCT CONCRETE MEDIAN BARRIER IN PLACE OF TEMPORARY K-RAIL TO CLOSE GAPS ON SR-55 BETWEEN 19TH ST AND BAY STREET OVERCROSSING IN THE COSTA MESA, AND BETWEEN 4TH STREET AND 17TH ST. OVERCROSSING IN THE CITY OF SANTA ANA.	Location 1 (Costa Mesa)-Lower Newport Bay, Location 2 (Santa Ana)-North Tustin Channel or Santa Ana-Santa Fe Channel to Peters Canyon Channel to San Diego Creek Channel	None	None	None	3	0.38	13%	SWPPP	None	-	2/8/2012	4/17/2013	9/18/2013	??
60	12-0M500	ORA	055	0	17.88	8	UPGRADE METAL BEAM GUARDRAILS, END TREATMENTS AND CURBS/DIKES ON SR-55 BETWEEN FINLEY AVE IN CITY OF NEWPORT BEACH TO JUNCTION OF RTE-91 IN ANAHEIM.	Santiago Crk, Santa Ana Santa Fe Channel, Santa Ana Delhi Channel and many cross-drainage channels.	None	None	None	4.41	-	-	SWPPP	None	-	6/28/2013	7/7/2016	12/16/2016	7/26/2018
61	12-0K720	ORA	055	10.2	17.83	8	Add new GP lanes & auxiliary lanes ON SR-55 FROM I-5 TO SR-91	Santiago Creek	-	-	-	>1.0	-	-	SWPPP	-	-	5/2/2017	7/4/2022	1/18/2023	1/22/2024
62	12-0H890	ORA	055	9.6	12	8	REPAIR EXISTING ROCK BLANKET, UPGRADE EXIST IRRIGATION, PROVIDE MTCE ACCESS & INSTALL GROUND COVER IN TUSTIN & SANTA ANA. I-5 & SR-55 FROM MCFADDEN TO 17TH ST.	Santa Ana-Santa Fe Channel	None	None	None	0.3	1.4	5%	WPCP	N/A	-	2/7/2014	3/1/2015	11/1/2015	9/1/2016
63	12-0H900	ORA	055	4.6	5.9	8	MAINTENANCE ROADSIDE SAFETY IMPROVEMENTS ON SR-55 BETWEEN BRISTOL STREET AND PAULARINO AVENUE.	Santa Ana-Delhi Channel	None	None	Pollutants of concern for the 303(d) waterbody	2	0.045 (adjusted)	n/a (in landscape areas)	SWPPP	Biostrrips, Bioswales	-	2/1/2013	2/26/2014	12/1/2014	2/1/2016
64	12-0J340	ORA	055	6.4	10.3	8	CAPACITY INCREASE AND OPERATIONAL IMPROVEMENTS TO SR-55 BETWEEN SR-405/SR-55 SEPARATION AND MACFADDEN AVENUE DEPENDING UPON CHOSEN ALTERNATIVE.	Lane Channel to San Diego Creek-Reach 1, and Santa Ana-Santa Fe Channel to Peters Canyon Channel	ACOE 404	Newport Bay Watershed DeMinimus and 401 Certification	Pollutants of concern for the 303(d) waterbodies	77.16 (MAX.)	15.28 (MAX.)	11%	SWPPP	Biostrrips, Bioswale, and possible Infiltration Basin	-	2/12/2015	9/21/2017	3/26/2018	10/31/2022
65	12-0L740	ORA	055	2	11.8	8	PAVEMENT RESURFACING INCLUDES RAMPS & APPROACH SLAB REPLACEMENT OC. ON SR-55 FR. 19TH ST. TO 17TH ST. IN THE CITIES OF COSTA MESA & TUSTIN.	-	None	-	-	-	-	-	SWPPP	-	-	12/23/2010	4/17/2013	-	-
66	12-0L74U	ORA	055	2	11.8	8	REHABILITATE PAVEMENT & CONSTRUCT PERMANENT CONCRETE MEDIAN BARRIER.OC. IN COSTA MESA, SANTA ANA AND TUSTIN, FR. 19TH ST. TO 17TH ST.	Lower Newport Bay, Paularino, Lane, SA Delhi, SA Gardens Ch.	None	-	-	1.01	0.4	20%	SWPPP	-	-	-	4/17/2013	11/7/2013	9/30/2016
67	12-0H208	ORA	055	17	17.7	8	FLATTEN THE SLOPE ABOVE THE MAINTENANCE ACCESS ROAD IN THE CITIES OF ORANGE AND ANAHEIM AT SANTIAGO BLVD AND NOHL RANCH ROAD... REGRADE SLOPE AND INSTALL DRAINAGE SYSTEM	Santa Ana River Reach 2	No	Dewatering PermitR8-2009-2003 CAG998001	-	6.5	0	0%	SWPPP	N/A	-	9/30/2010	5/25/2012	2/21/2014	10/20/2015
68	12-07810	ORA	055	16.1	16.1	8	CONSTRUCT NEW INTERCHANGE IN ORANGE AT MEATS AVE (KP26.0)	Santiago Creek	-	-	-	>1.0	-	-	SWPPP	-	-	5/1/2015	2/26/2019	5/2/2019	4/1/2021

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No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
69	12-0L520	ORA	055	1	2.7	8	CAPACITY INCREASE AND OPERATIONAL IMPROVEMENTS TO SR-55 (NEWPORT BOULEVARD) FROM 19TH STREET TO INDUSTRIAL WAY.	Lower Newport Bay	ACOE 404	Possible SARWQCB 401 Certification. Newport Bay Watershed De Minimus	Pollutants of concern for the 303(d) waterbody	25 (max.)	2.52 (max.)	8%	SWPPP	Bioswales	-	5/17/2023	7/9/2026	1/14/2027	3/6/2031
70	12-0N450	ORA	055	10.503	10.535	8	Construct type II (retrofit) noise barrier to reduce freeway traffic noise impact. I-5/SR-55 NB Connector to South of Main Street.	Santa Ana Santa Fe Channel	-	-	-	-	-	-	-	-	-	3/22/2016	-	-	
71	12-0N500	ORA	055	11.7	13.2	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. On Route 55: In Orange from 17th St. to La Veta, and On Route 22: In Tustin From Route 55 to Tustin Ave.	Santiago Creek	-	-	-	-	-	-	WPCP	-	-	10/1/2017	10/1/2018	4/1/2019	4/1/2020
72	12-0N530	ORA	055	13.2	17.8	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. On Route 55: In Orange from La Veta to Route 91.	Santiago Creek	-	-	-	-	-	WPCP	-	-	4/1/2019	4/1/2020	12/1/2020	12/1/2021	
73	12-0N630	ORA	055	10.7	10.7	8	Modify Signals and left turn Channelization. NB Rte 55 Off Ramp to 4th street in the City of Tustin.	Santa Ana Santa Fe Channel	-	-	-	-	-	WPCP	-	-	6/30/2014	4/6/2016	8/1/2016	7/11/2017	
74	12-0H208	ORA	055	17	17.7	8	FLATTEN THE SLOPE ABOVE THE MAINTENANCE ACCESS ROAD IN THE CITIES OF ORANGE AND ANAHEIM AT SANTIAGO BLVD AND NOHL RANCH ROAD... REGRADE SLOPE AND INSTALL DRAINAGE SYSTEM	Santa Ana River Reach 2	No	Dewatering Permit R8-2009-2003 CAG998001	No	6.5	0	0%	SWPPP	NA	-	9/30/2010	5/25/2012	2/21/2014	10/20/2015
75	12-0H20U	ORA	055 / 073	2.8 / 24.7	5.9 / 27.8	8	HIGHWAY PLANTING RESTORATION ON SR-55 FROM 22nd STREET TO SR 405, AND ON SR-73 FROM 0.2 MILES SOUTH OF JAMBOREE BOULEVARD TO SR-405.	San Diego Creek-Reach 1, Baker Storm Channel, Paularino Channel, Santa Ana-Delhi Channel	None	None	Pollutants of concern for the 303(d) waterbodies	51	1.6	N/A (in landscape areas)	SWPPP	Biostrrips, Bioswales	-	4/11/2013	3/27/2014	12/1/2014	11/1/2018
76	12-0N130	ORA	057	21.59	22.09	8	NB 57 Brea Safety Improvement	Loftus Channel	No	None	-	<1.0	-	-	WPCP	-	-	6/30/2014	3/15/2015	9/15/2015	10/17/2016
77	12-0N140	ORA	057	20.74	21.2	8	SHOULDER WIDENING, MODIFY CURBS, GUTTER AND DRAINAGE. ON SR-57 SB ON-RAMP FROM LAMBERT RD.	Fullerton Creek	None	-	-	0.2	0.05	-	WPCP	N/A	PS&E	2/4/2014	7/22/2014	2/1/2016	6/30/2016
78	12-0C110	ORA	057	19.9	21.5	8	RECONFIGURE RAMP AT SR-57 & LAMBERT IN BREA 0.5 MILE NORTH OF IMPERIAL HWY TO 0.5 N OF LAMBERT	Loftus Channel	-	-	-	>1.0	-	-	SWPPP	-	-	10/24/2014	2/1/2016	8/1/2016	10/31/2018
79	12-0F040	ORA	057	19.3	24.7	8	WIDEN NB ROUTE 57 AND BRIDGES IN ORANGE COUNTY IN ANAHEIM FROM 0.3 MILE SOUTH OF KATELLA AVENUE UNDERCROSSING TO 0.3 MILE NORTH OF LINCOLN AVENUE OVERCROSSING	Santa Ana River (Reach 2), Chantilly Channel	-	No	No	39	6.5	22%	SWPPP	BST, BSW, DTB	-	11/25/2009	12/10/2010	10/26/2011	2/27/2015
80	12-0M970	ORA	057	11.5	12.5	8	GEOMETRIC IMPROVEMENTS TO INCREASE CAPACITY & REDUCE CONGESTION. OC. SR-57 BETWEEN ORANGEWOOD AVE. TO KATELLA AVE, IN THE CITY OF ANAHEIM.	Santa Ana River Reach 2	No	-	-	4.4	1.7	-	SWPPP	N/A	-	9/18/2017	1/16/2020	8/18/2020	10/17/2022

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No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
81	12-0C120	ORA	057	21.2	22.6	8	RECONSTRUCT CLIMBING AUXILIARY LN & REALIGN NB OFF-RAMP @ TONNER CANYON RD & NB ON-RAMP AT LAMBERT RD IN BREA FROM LAMBERT ROAD TO ORANGE CO/LOS ANGELES CO LINE	Loftus Channel, Tonner Canyon Creek, Brea Canyon Creek	Yes	-	-	>1.0	-	-	SWPPP	-	-	7/5/2017	6/17/2019	11/15/2019	12/5/2022
82	12-0C740	ORA	057	20.9	22.5	8	WIDENING LAMBERT NB ON RAMP IN BREA FR LAMBERT TO END NORTH BND	Loftus Channel	-	-	-	<1.0	-	-	WPCP	-	-	5/1/2020	5/5/2021	2/3/2023	2/3/2025
83	12-0F03U	ORA	057	16.2	21.1	8	HIGHWAY REPLACEMENT PLANTING OC. IN PLACENTIA, FULLERTON & BREA FROM 0.2 MILES S OF ORANGETHORPE	Loftus Channel	-	-	-	-	-	-	-	-	-	12/1/2007	3/1/2015	10/1/2015	10/1/2019
84	12-0F04A	ORA	057	12.3	15.2	8	HIGHWAY REPLACEMENT PLANTING OC. NB FROM 0.3 MILE SOUTH OF KATELLA AVE. TO 0.3 MILE NORTH.	Santa Ana River	-	-	-	-	-	-	-	-	-	8/1/2009	8/1/2015	11/1/2015	11/1/2019
85	12-0J420	ORA	057	11.3	22.6	-	REMOVE EXST HOV BUFFER. RESTRIPE FREEWAY TO PROVIDE A CONTINUOUS HOV ACCESS, STANDARD GP LN & SHOULDERS IN ORANGE COUNTY. FROM SR-22/I-15/ SR-57 INTERCHANGE TO LA/OC COUNTY LINE	Santa Ana River, Coyote Creek, Loftus Channel, Brea Canyon Creek	-	-	-	-	-	-	WPCP	-	-	12/11/2020	11/30/2021	5/10/2022	10/11/2022
86	12-0L090	ORA	057	11	22.5	-	PCC PROFILE GRINDING AND SLAB REPLACEMENT.OC. IN ORANGE, Fullerton, ANAHEIM, PLACENTIA, & BREA from South of Chapman AVE. TO LA COUNTY LINE.	Fullerton Creek Channel	-	-	-	-	-	-	WPCP	-	-	12/1/2014	3/30/2015	9/1/2015	9/1/2017
87	12-0M480	ORA	057	16.39	20.88	-	ADA Improvement On SR-57 from Orangethorpe Avenue to Lambert Road	Fullerton Creek Channel	-	-	-	-	-	-	WPCP	-	-	7/1/2016	7/5/2018	1/18/2019	10/5/2020
88	12-0M110	ORA	073	23.96	25	8	ADJUST FWY CROSS-SLOPE, ADD DRAINAGE INLETS, RESURFACE RWY WITH OGAC, RESTRIPE, UPGRADE MBGRNB SR-73 FROM SAN DIEGO CREEK TO NORTH OF JAMBOREE RD OVERCROSSING AND MACARTHURE/BISON TO NB SR-73 ON-RAMP.	San Diego Creek Reach 1, Bonita Creek, Upper Newport Bay	-	-	-	1.1	0.5	-	SWPPP	N/A	-	-	10/10/2014	3/18/2015	5/4/2016
89	12-0M960	ORA	073	22.5	25.7	8	RESURFACING AC PAVEMENT ON FWY, & RAMPS, UPGRADE MBGR, CURB RAMPS AND CRASH CUSHION FROM FORD RD/BONITA UC TO NB ON-RAMP FR, N BRISTOL ST GORE POINT. EXCLUDING 0M110_PROJECT LIMIT: 23.9/25.0.	Newport Bay Watershed through its tributary Santa Ana-Delhi Channel, San Diego Creek Reach 1 and Upper Newport Bay	No	No	-	0.16	0.03	0%	WPCP	N/A	-	-	3/30/2017	12/7/2017	12/30/2019
90	12-0H034	ORA	073	25.7	28	-	NB/SB SLAB REPLACEMENT. ON/OFF RAMPS RESURFACING, SHOULDER REHAB & GRINDING IN COSTA MESA FROM CAMPUS DRIVE TO I-405	Santa Ana Delhi Channel	-	-	-	-	-	-	-	-	-	10/20/2005	4/1/2014	11/24/2014	9/1/2015
91	12-0H225	ORA	073	26.1	28	-	INSTALL FIBER OPTIC CABLES & CCTVS ON SR-405 & SR-73 IN CITY OF COSTA MESA Route 73	Santa Ana Delhi Channel	-	-	-	-	-	-	-	-	-	10/1/2014	6/30/2015	1/2/2016	1/2/2017

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
92	12-0H260	ORA	073	10.3	11.2	-	REPAIR FWY EMBANKMENT FILL DISTRESS REPAIR AC PAVEMENT, CONTROL PONDING WATER & SAT OF EMB. FILL IN CITY OF LAGUNA NIGUEL BETWEEN PASEO DE COLINAS TO S OF CABOT RD	Oso Creek	-	-	-	-	-	-	-	-	-	3/21/2016	10/12/2017	2/12/2018	5/1/2019
93	12-0H440	ORA	073	10	24.5	-	STORM WATER MITIGATION & SLOPE STABILITY IN VARIOUS LOCATIONS SR73 STORM WATER MITIGATION AND SLOPE ST	Laguna Canyon Channel	-	-	-	-	-	-	-	-	-	2/1/2009	4/22/2013	11/15/2013	2/1/2019
94	12-0M550	ORA	073	10.72	10.97	9	BUILD SHEAR PILE WALLS WITH TIEBACKS. OC. RTE-73 AT CROWN VALLEY PKWY.	Oso Creek	-	Dewatering	-	0.99	0.39	19%	WPCP	Exempt	-	2/15/2012	5/11/2012	7/9/2012	9/2/2014
95	12-0N310	ORA	073	11.3	27.3	-	METHACRYLATE DECK SEAL TREATMENT, POLYESTER CONC OVERLAY AND JOINT SEAL REPLACEMENT.OC FROM ROUTE 5 TO ROUTE 405	Var	-	-	-	-	-	-	-	-	-	9/2/2014	10/9/2014	6/4/2015	12/3/2015
96	12-0N860	ORA	073	23.958	24.158	-	Modify the existing lane configuration on the Off-Ramp from 1 lane to 1.5 lanes at the exit gore to allow 2 through lanes from the Off-Ramp onto SB MacArthur BLVD. Southbound Route 73 at MacArthur BLVD. Off- Ramp, in the City of Newport Beach.	San Diego Creek	-	-	-	-	-	-	-	-	-	-	-	-	-
97	12-0M340	ORA	073&133	-	16.609/4.173	9	WIDEN RDWY TO IMPROVE CHANNELIZATION AT GORE AREA & WIDEN RAMP, MODIFY SIGNAL OPERATIONS IN OC. COLLECTOR ROAD BETWEEN EL TORO ROAD/SR-73 NB ON-RAMP AND SR-133	Laguna Coastal Streams Watershed through its tributary Laguna Canyon Channel	No	No	-	0.9	0.4	3%	WPCP	N/A	-	6/28/2013	6/1/2015	12/1/2015	8/1/2016
98	12-0L720	ORA	074	2.93	5.06	9	CONSTRUCT 4-FOOT RIGHT SHOULDER, PAVE TURNOUTS, REPLACE/ADD MBGR SR-74 BETWEEN EAST OF ANTONIA PKWY/ LA PATA RD. (PM 2.93) AND EAST OF CONROCK ENTRANCE (PM 5.06)	San Juan Creek	-	SDRWQCB, Region 9	Potentially Increased Flow and sediment	8.4	2.1	128%	SWPPP	Biofiltration swales, Rock Catchment Area	-	12/16/2013	1/4/2016	10/3/2016	8/1/2023
99	12-0E31A	ORA	074	0	1.6	-	HIGHWAY REPLACEMENT PLANTING IN SAN JUAN CAPISTRANO FROM I-5/ EAST CITY LIMIT	San Juan Creek and Horno Creek	No	No	-	0.6	0	0%	WPCP	N/A	-	6/1/2009	2/1/2015	8/1/2015	3/1/2019
100	12-04322	ORA	074	13.2	16.2	-	ESTABLISH PLANTING AND INSTALL IRRIGATION SYSTEM IN ORANGE COUNTY NEAR SAN JUAN HOT SPRING FROM SAN JUAN CANYON BRIDGE TO RIVERSIDE COUNTY LINE	San Juan Creek	-	-	-	-	-	-	-	-	-	2/14/2006	10/22/2009	5/24/2010	12/1/2015
101	12-08692	ORA	074	1	1.9	-	WIDEN FROM 2 LANES TO 4 LANES IN THE CITY OF SAN JUAN CAPISTRANO FROM CALLE ENTRADERO TO THE CITY LIMITS/COUNTY LINE	San Juan Creek	-	-	-	-	-	-	-	-	-	11/30/2009	12/1/2017	6/5/2018	6/10/2020
102	12-0M090	ORA	074	0	1.8	-	UPGRADE PEDESTRIAN FACILITIES WITHIN THE CT ROW TO CURRENT ADA STANDARDS. RTE 74 FROM THE I-5/RTE 74 I.C. TO THE CITY OF SAN JUAN CAPISTRANO CITY LINE PM 1.8.	San Juan Creek	-	-	-	-	-	-	-	-	-	1/1/2016	4/17/2017	9/11/2017	3/23/2018

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
103	12-0M440	ORA	074 & 05	1.7/10	1.7/10	9	REPAIR DITCH OC. IN CITY OF SAN JUAN CAPISTRANO ON RTE 5 AT EL HORNO ST. UC & ON RTE 74 AT SHADE TREE LN.	San Juan Capistrano Watershed through its tributary Horno Creek	No	No	-	0.1	0	0%	WPCP	N/A	-	11/15/2012	2/1/2013	5/8/2013	7/1/2014
104	12-0E310	ORA	074 & 05	0/9.3	0.2/10	9	REPLACE BRIDGE AND WIDEN RAMP ON RTE 74 FROM 0.1 MILE WEST OF I-5/SR-74 IC TO 0.1 MILE EAST OF I-5/SR-74 IC.	San Juan Capistrano Watershed through its tributary Horno Creek and San Juan Creek	ACOE 404	401 Cert, Dewatering Permit R9-2008-0002 CAG919002	-	7.94	1.29	4%	SWPPP	5 BSW	-	6/1/2009	4/23/2012	9/18/2012	9/1/2016
105	12-0E310	ORA	074 & 05	0/9.3	0.2/10	9	REPLACE BRIDGE AND WIDEN RAMP ON RTE 74 FROM 0.1 MILE WEST OF I-5/SR-74 IC TO 0.1 MILE EAST OF I-5/SR-74 IC.	San Juan Capistrano Watershed through its tributary Horno Creek and San Juan Creek	ACOE 404	401 Cert, Dewatering Permit R9-2008-0002 CAG919002	-	7.94	1.29	4%	SWPPP	5 BSW	-	6/1/2009	4/23/2012	9/18/2012	9/1/2016
106	12-05622	ORA	090	11.8	12.5	-	HWY PLANTING INSTALL IRRIGATION SYS IN ORANGE COUNTY IN YORBA LINDA AND ANAHEIM ON ROUTE 90 FROM 0.6 MILE EAST OF KELLOGG DRIVE UNDERCROSSING TO LA PALMA AVENUE	East Richfield Channel	None	-	-	5	0.34	6.8%	SWPPP	Exempt	-	5/1/2008	2/1/2011	10/29/2011	2/1/2016
107	12-0H310	ORA	090	0	0	-	INSTALL CHANGEABLE MESSAGE SYSTEM ON SR-90 AND SR-142 AT VARIOUS LOCATION	Carbon Canyon Creek	-	-	-	-	-	-	-	-	-	1/3/2020	10/28/2026	3/29/2029	3/29/2030
108	12-0M910	ORA	090	0.61	7.95	-	CONSTRUCTION OR MODIFY CURBS, SIDEWALKS, OR WHEELCHAIR RAMPS.OC-FROM BEACH BLVD TO ROSE DV. IN THE CITIES OF LA HABRA, FULLERTON, AND BREA.	-	-	-	-	-	-	-	-	-	-	11/1/2015	6/1/2017	1/3/2018	5/31/2019
109	12-0K970	ORA	091	15.8	18.1	-	PROVIDE DIRECT CONNECTOR BETWEEN SR-241 & SR-91 In Orange County, at SR-241/SR-91 Interchange	Santa Ana River	-	-	-	-	-	-	SWPPP	-	-	4/1/2015	6/1/2016	10/1/2016	10/1/2018
110	12-0M610	ORA	091	8.9	9.4	-	INSTALL ADDITIONAL LIGHTING AT INTERCHANGE. RTE 91 AT RTE 55 INTERCHANGE AND RTE 57 INTERCHANGE.	Coyote Creek, Santa Ana River, Santiago Creek	-	-	-	-	-	-	-	-	-	-	11/1/2015	5/1/2016	5/1/2017
111	12-0M400	ORA	091	0	2.8	-	IMPROVE MAINTENANCE ACCESS & PAVING FOR ROADSIDE WORKER SAFETY. OC. IN LA PALMA & BUENA PARK ON RTE 91 FROM THE LOS ANGELES CO. LINE TO STANTON AVE.	Coyote Creek	None	None	None	0.72	0	0%	WPCP	None	-	10/1/2014	12/1/2015	7/1/2016	7/1/2017
112	12-0C570	ORA	091	0.9	5.4	8	CAPACITY INCREASE WITH WESTBOUND LANE WIDENING ON SR-91 BETWEEN SR-57 AND I-5.	Carbon Creek Channel, Houston Storm Channel	ACOE 404	DeMinimus, and 401 Certification	Minimal	23.51	6+	5%+	SWPPP	Biostrrips, Bioswales	-	6/17/2010	8/30/2012	2/6/2013	11/12/2015
113	12-0G331	ORA	091	9.1	15.6	8	HIGHWAY REPLACEMENT PLANTING FOR PARENT PROJECT 0G3304 ON SR-91 FROM THE SR-55/91 SEPARATION TO SR-241/91 SEPARATION.	Santa Ana River-Reach 2	None	None	Minimal	95	0	N/A (in landscape areas)	SWPPP	Biostrrips, Bioswales with parent project	-	4/30/2012	4/15/2013	11/1/2013	11/1/2017
114	12-0K330	ORA	091	17.8	18.2	8	NEW HIGHWAY PLANTING ON SR-91 FROM 0.2 MILE WEST TO 0.3 MILE EAST OF DECOMMISSIONED COAL CANYON ROAD UNDERCROSSING.	Santa Ana River-Reach 2	None	None	Minimal	7	0	N/A (in landscape areas)	SWPPP	Existing Bioswales	-	9/1/2011	7/31/2012	4/18/2013	7/1/2017
115	12-0C560	ORA	091	8.1	9.3	8	PROVIDE AN AUXILIARY LANE FROM NB SR-55 TO TUSTIN AVE OFF-RAMP IN ANAHEIM FROM 0.2 KM W OF N OLIVE UP TO 0.2 KM OF TUSTIN AVENUE OC	Santa Ana River, R2	-	401/404, 402, 1602	-	6.12	5.49	31.21%	SWPPP	BSW	-	5/20/2011	4/25/2013	11/1/2013	1/31/2017

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date	
116	12-0K980	ORA	091	6	9.3	8	IMPROVE COMPLEX INTERCHANGES, INCLUDING NEARBY LOCAL INTERCHANGES ON SR-91 FROM SR-55 INTERCHANGE TO SR-57 INTERCHANGE	Santa Ana River, R2	-	401/404, 402, 1602	-	TBD	TBD	TBD	SWPPP	TBD	-	7/1/2017	4/1/2020	9/1/2020	9/1/2021	
117	12-0N360	ORA	091	1.015	5.398	-	Overlay with OGAC. Enhance MBGR, lighting, drainage and signing if needed. Rte-91 at Valley View Street EB on-ramp.	Carbon Creek Channel	-	-	-	-	-	-	-	-	-	-	3/1/2016	8/1/2016	8/1/2017	
118	12-0C571	ORA	091	0.8	5.5	-	REPLACEMENT LANDSCAPE PROJECT. IN FULLERTON AND ANAHEIM WB DIRECTION FROM SR-57 TO I-5 PM .9/5.4	Carbon Creek Channel	-	-	-	-	-	-	-	-	-	-	6/17/2010	12/1/2015	7/1/2016	8/1/2020
119	12-0H243	ORA	091	0	2.8	-	INSTALL FIBER OPTICS & CCTV FR LOS ANGELES COUNTY LINE TO STANTON AVE UNDERCROSSING IN OC	Carbon Creek Channel	-	-	-	-	-	-	-	-	-	-	2/1/2015	2/1/2016	7/1/2016	2/3/2017
120	12-0H530	ORA	091	2.15	7.27	-	IN ORANGE COUNTY ON SR-91 AT VARIOUS LOCATIONS. Upgrade deficient bridge barrier rails SR91	Carbon Creek, Fullerton Creek	-	-	-	-	-	-	-	-	-	-	10/31/2014	7/12/2019	12/19/2019	10/7/2020
121	12-0J410	ORA	091	14.6	18.9	-	BIKE PATH RELINQUISHMENT CITY OF YORBA LINDA. FROM SAVI RANCH TO COUNTY LINE	Santa Ana River	-	-	-	-	-	-	-	-	-	-	-	-	-	-
122	12-0L400	ORA	091	15.9	18.9	-	CORRIDOR IMPROVEMENT WIDENING SR-91 FROM SR-241 TO PIERCE STREET CITY OF ANAHEIM & CORONA	-	-	-	-	-	-	-	-	-	-	-	6/30/2012	-	-	7/1/2018
123	12-0N090	ORA	091	5.2	6.4	-	Relocate facilities, construct roadside paving, access roads and improve worker safety. IN ANAHEIM ON RT 91 FROM STATE COLLEGE TO LA PALMA AND ON RTE 57 FROM LA PALMA TO ORANGETHORPE.	Fullerton Creek Channel, Carbon Creek Channel	-	-	-	-	-	-	-	-	-	-	8/1/2016	10/1/2017	4/1/2018	4/1/2019
124	12-0N270	ORA	091	13.8	13.8	-	TO RENEW AND UPGRADE FACILITY. RTE 91 PERALTA WB WEIGH STATION.	Santa Ana River	-	-	-	-	-	-	-	-	-	-	7/1/2015	6/1/2017	12/1/2017	12/1/2018
125	12-0N320	ORA	091	9.8	19	-	CAPM project to address pavement needs on mainline and ramps Rte-91 at Lakeview Avenue OC to Orange/Riverside county line.	Santa Ana River	-	-	-	-	-	-	-	-	-	-	7/1/2017	4/1/2018	10/1/2018	12/1/2019
126	12-0N490	ORA	091	13.6	13.6	-	Rehabilitate Commercial Vehicle Enforcement Facility (CVEF). Rte-91 near Anaheim, at EB Peralta Weigh Station.	Santa Ana River	-	-	-	-	-	-	-	-	-	-	7/1/2018	8/1/2019	1/1/2020	12/1/2020
127	12-0M720	ORA	091&405	0.85/7.80	2.61/9.89	8	SEISMIC RETROFIT FOUR (4) BRIDGES OC. RTE 405 BETWEEN 7.8 TO 9.9 & RTE 91 BETWEEN 0.85 TO 2.61.	San Gabriel River/Coyote Creek Watershed through its tributaries Orangethorpe Storm Drain, Fullerton Creek; Newport Bay Watershed through Santa Ana-Delhi Channel; Santa Ana River Watershed through Gisler Storm Channel	No	Dewatering Permit R8-2009-2003 CAG998001	0.12	0	0%	WPCP	N/A	-	-	6/28/2013	6/20/2014	11/15/2014	8/1/2016	

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
128	12-0N100	ORA	133	7.8	13.7	-	Relocate facilities, construct roadside paving, access roads and improve worker safety IN IRVINE ON RTE 133 FROM RTE 405 TO RTE 241.	Marshburn Channel	-	-	-	-	-	-	-	-	-	12/1/2016	4/1/2018	9/1/2018	9/1/2019
129	12-0N110	ORA	133	8.8	10.9	8	DEEP INJECTION GROUTING AT THREE LOCATIONS AT THE CONNETOR.OC. IN CITY OF IRVINE, RTE-133/I-5 CONNECTOR INTERCHANGE.	Marshburn Channel	-	-	-	-	-	-	-	-	-	2/7/2014	4/30/2015	12/21/2015	12/20/2017
130	12-0N060	ORA	133	3.1	3.6	-	SAFETY IMPROVEMENT PROJECT.WIDEN ROADWAY TO IMPROVE CHANNELIZATION. OC. EL TORO ROAD, CITY OF LAGUNA BEACH.	Laguna Canyon Channel	-	-	-	1.2	0.55	-	SWPPP	N/A	7/15/2014	-	-	3/12/2018	2/12/2019
131	12-0G009	ORA	133	10	11	-	TRABUCO ROAD INTERCHANGE ADD NEW IC ON EASTERN TRANS. COORD EAST LEG IN IRVINE AND IN ORANGE COUNTY	Marshburn Channel	-	-	-	-	-	-	-	-	-	1/1/2018	1/31/2020	8/1/2020	8/1/2022
132	12-0K410	ORA	133	4.1	8.5	-	RHMA Type G Overlay In Orange County, in Laguna Beach from Rte 73 to Rte 405.	Laguna Canyon Channel	-	-	-	-	-	-	-	-	-	-	3/1/2015	7/2/2015	7/1/2016
133	12-0M570	ORA	133	3.4	3.85	-	DITCH CLEARING AND RECONSTRUCTION. LN OC. CITY OF LAGUNA BEACH, SB SR-133 FROM EL TORO RD TO SR-73	Laguna Canyon Channel	-	401 Cert	-	>1.0	-	-	-	-	-	6/22/2016	5/26/2017	10/27/2017	3/14/2018
134	12-0N660	ORA	133	3.416	13.644	-	Replace damaged and outdated MBGR, non-standard AC dikes. Install permanent crash cushions. install new electroiler, fill/regrade slopes, relocate controller cabinets, headwalls, replace temp railing. SR-133, from El Toro Road to Route 241 ( Toll Road )	Marshburn Channel	-	-	-	-	-	-	-	-	-	-	1/3/2017	7/3/2017	8/1/2018
135	12-0N870	ORA	133	0.86	1.16	-	Extend #2 lane to allow proper lane drop signage, and widen lane and shoulder to permit standard lane transition taper. Will also require four utility poles to be relocated. NB SR 133. n/o Canyon Acres Road in the City of Laguna Beach.	Laguna Canyon Channel	-	-	-	-	-	-	-	-	-	-	-	-	-
136	12-0N890	ORA	133	8.5	9.3	-	Extend the No. 4 lane on SBSR-133 from SB I-5 Connector & add a second lane to NB 405 Connector. In the City of Irvine, SB RTE 133 between I-405 and I-5.	San Diego Creek	-	-	-	-	-	-	-	-	-	9/18/2014	5/1/2017	9/27/2017	8/21/2019
137	12-0N730	ORA	142	3.5	4.7	-	Slope Stabilization Project. On Route 142 from PM 3.5 to PM 4.7	Carbon Canyon Creek	-	-	-	-	-	-	-	-	-	1/19/2016	8/21/2015	2/19/2016	2/17/2017
138	12-0N600	ORA	142	0.8	2.6	-	Resurface conventional highway lanes. EB/WB SR 142 from Imperial HWY to Carbon Canyon, regional Park entrance/Santa Fe road.	Carbon Canyon Creek	No	-	-	>1.0	-	-	SWPPP	-	-	7/17/2014	3/30/2017	1/5/2018	10/1/2019
139	12-0H246	ORA	142	4.7	4.8	8	CONSTRUCT DEBRIS CATCHMENT WALL TO PREVENT LANDSLIDE DEBRIS FROM ENTERING THE ROADWAY IN CITY OF BREA ON SR-142 BETWEEN PM 4.71/4.78	No	-	No	No	0.15	0	0%	SWPPP	TBD	-	11/18/2015	11/30/2021	6/27/2025	6/29/2026
140	12-11102	ORA	241	0	13.8	-	FOOTHILL TRANS CORRIDOR (SOUTH) FOOTHILL TRANSP CORRIDOR (SOUTH) FROM RTE 5 TO OSO PKWY	-	-	-	-	-	-	-	-	-	-	2/1/2015	1/5/2015	2/2/2015	1/2/2018

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date	
141	12-OJ680	ORA	241	27.6	32.3	8	CONSTRUCT THREE GENERAL PURPOSE LANES ON SB SR-241 IN ORANGE COUNTY ON SR-241 BETWEEN SR-133 CONFLUENCE AND 0.6 MILE NORTH OF SR-261 CONFLUENCE.	Peter Canyon, Santiago Creek, Peters Canyon Channel and San Diego Creek Reach 2	No	No	-	70	34.5	?	SWPPP	4 Detention Basin, 6 Biostrrips and 2 Bioswales and 1biostrip/swale combination	-	1/17/2012	11/30/2017	6/1/2018	1/31/2020	
142	12-OM710	ORA	241	17.5	25	8 and 9	0.1' RHMA TYPE O. OC. IN MISSION VIEJO, LAKE FOREST & IRVINE FROM PORTOLA PKWY TO ANTONIO PKWY.	Tijeras Canyon Creek, Trabuco Creek, L03P24, L02P26, Aliso Creek Channel, Jo1P06	No	No	No	0	0	0%	WPCP	N/A	-	9/1/2013	4/3/2014	7/15/2014	10/1/2015	
143	12-OC821	ORA	241	32.9	32.9	-	CONSTRUCT D STREET OVERCROSSING IN ORANGE COUNTY. AT THE 241/261 IC	Peter Canyon, Santiago Creek, Peters Canyon Channel and San Diego Creek Reach 2	-	-	-	-	-	-	-	-	-	-	11/1/2018	3/11/2019	9/11/2020	
144	12-OG010	ORA	241	37.2	37.5	-	WEIR CANYON ROAD IC ADD TWO RAMPS ON THE SOUTH IN ANAHEIM AT WEIR CANYON ROAD	Santa Ana River	-	-	-	-	-	-	-	-	-	-	11/15/2005	2/1/2018	6/1/2018	6/1/2020
145	12-OG012	ORA	241	18.5	22.5	8 and 9	FTC SB WIDENING. ADD ONE LN SB FR S OF SANTA MARGARITA PKWY TO N OF BAKE PKWY & REESTABLISH NB AUX LN IN MISSION VIEJO, LAKE FOREST AND RANCHO SANTA MARGARITA	-	-	-	-	-	-	-	-	-	-	-	1/11/2006	1/1/2018	10/1/2018	12/31/2020
146	12-OG850	ORA	241	38.4	38.4	-	PREPARE PSR/PR, PS&E & CONSTRUCTION OF MOUNTAIN PARK OVERCROSSING ON SR-241 IN ORANGE COUNTY 1/2 MILE SOUTH OF 241/91 INTERCHANGE	Santa Ana River	-	-	-	-	-	-	-	-	-	-	1/24/2006	11/30/2015	6/2/2016	6/5/2017
147	12-OH047	ORA	241	25	39	8	NB/SB RESURFACING OF ALL LANES AND ALL ON-RAMPS, OFF-RAMPS WITHIN THE PROJECT LIMITS IN ANAHEIM FROM PORTOLA PARKWAY TO SR-91	Santiago Creek (R1)	-	No	No	0.1	0	0%	WPCP	N/A	-	8/31/2005	6/8/2020	1/2/2021	1/1/2022	
148	12-OJ660	ORA	241	14.5	32.5	-	REVEGETATION OF EXPOSED SLOPES FOR NPDES CONCERNS AND SOURCE CONTROL IN ORANGE COUNTY - FROM OSO PKWY TO SANTIAGO CANYON RD.	-	-	-	-	-	-	-	-	-	-	-	12/1/2014	2/1/2016	6/2/2016	8/2/2020
149	12-ON300	ORA	241	18.3	18.32	-	IMPROVE OFF RAMP CORNER SIGHT DISTANCE NB RTE 241 off-ramp to Santa Margarita Pkwy in the City of Santa Margarita.	-	-	-	-	-	-	-	-	-	-	-	1/1/2015	10/17/2016	4/3/2017	3/15/2018
150	12-OC820	ORA	261	0	0	-	E ORANGE IC IMPROVEMENTS NEW SR-241 SB ON-RAMP, WIDENING & GRADING CHAPMAN AVE. IN ORANGE @ SR 241/261 AND SANTIAGO CYN ROAD	Santiago Creek	-	-	-	-	-	-	-	-	-	-	1/25/2006	8/4/2017	10/2/2017	10/3/2019
151	12-OH450	ORA	261	0	0.6	-	SELENIUM TREATMENT FACILITY CITY OF IRVINE. IN WALNUT AVE PUMPING PLANT	Peters Canyon Wash	-	-	-	-	-	-	-	-	-	-	7/3/2014	7/3/2014	-	-
152	12-OJ650	ORA	261	0	6.2	8	REVEGETATION OF EXPOSED SLOPES FOR NPDES CONCERNS AND SOURCE CONTROL IN ORANGE COUNTY - FROM WALNUT AVE TO ROUTE 241	San Diego Creek-Reach 2	None	None	Pollutants of concern for the 303(d) waterbody	TBD	TBD	TBD	SWPPP	None	-	12/1/2014	12/1/2015	6/1/2016	6/1/2020	

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
153	12-0N810	ORA	261	0.24	0.24	-	Remove and replace a damaged section of advance accelerated roadway pavement failure. In Orange County, in the City of Irvine, adjacent to Jamboree Road.	Peters Canyon Wash	-	-	-	-	-	-	-	-	-	-	-	-	-
154	12-07163	ORA	405	22.6	24	8	RECONSTRUCT INTERCHANGE IN ORANGE COUNTY IN SEAL BEACH, LONG BEACH AND LOS ALAMITOS ON ROUTES 22, 405 AND 605	San Gabriel River, Los Alamitos Channel, Kempton Storm Channel, Montecito Storm Channel, Bixby Storm Channel, Federal Storm Channel, Rossmoor Storm Channel	-	-	-	116	19	24.05%	SWPPP	17 bioswales, 5 biostrips	-	3/26/2003	9/3/2009	10/12/2010	6/7/2015
155	12-0H226	ORA	405	0.2	8.7	-	UPGRADE FIBER OPTICS, CCTV AND COMMUNICATION EQUIPMENTS IN CITY OF IRVINE ON NB/SB I-405 & SR-55	-	-	-	-	-	-	-	-	-	-	9/15/2014	6/15/2015	1/20/2016	1/25/2017
156	12-0M300	ORA	405	0	12.9	8	REMOVE & REPLACE RHMA TYPE G.O.C. ON RTE 405 FROM I-5 TO NB EUCLID ON-RAMP.	San Diego Creek Reach 1, Lane Channel, Santa Ana Delhi, Greenville Banning, Santa Ana River Reach 1, Fountain Valley Channel	-	-	-	0	0	0%	WPCP	Exempt	-	9/4/2013	10/9/2013	4/17/2014	7/1/2015
157	12-0F550	ORA	405	6.4	7.4	-	HIGHWAY PLANTING & IRRIGATION IN ORANGE COUNTY IN IRVINE FROM SAN DIEGO CREEK TO VON KARMAN AVE OVERCROSSING.	San Diego Creek	None	None	None	-	-	-	-	-	-	11/3/2011	3/16/2012	7/15/2013	8/1/2017
158	12-0N230	ORA	405	6.917	6.917	8	Improve SouthBound I-405 at Jamboree Exit Ramp in City Of Irvine I-405 at Jamboree interchange.	San Diego Creek, Upper Newport Bay, Lower Newport Bay, Pacific Ocean	-	-	-	0.6	0.28	-	WPCP	N/A	-	12/19/2013	-	8/1/2015	2/1/2016
159	12-0H100	ORA	405	10.3	24.1	8	ONE-LANE WIDENING IN EACH DIRECTION & ADDING AUXILIARY LANES AT VARIOUS LOCATIONS FR SR-73/I-405 INTERCHANGE TO I-605 I-405 INTERCHANGE	Santa Ana (R2), East Fountain Valley Channel, Ocean View Channel, East Garden Grove-Winterburg Channel, Westminster Channel, Newland Channel, Edinger Storm Drain, Anaheim-Barber City Channel, Milan Storm Drain, Bolsa Chica Channel.	-	401/404, 1601, R8-2009-0003	TBD	432 acres (based on Alt. 3)	104 acres (based on Alt. 3)	22% (based on Alt. 3)	SWPPP	TBD	-	11/1/2014	4/21/2015	4/7/2016	8/4/2020
160	12-0J440	ORA	405	0	24.178	8	REMOVE EXISTED HOV BUFFER. RESTRIPE FREEWAY TO PROVIDE A CONTINUOUS HOV ACCESS, STANDARD GP LN & SHOULDERS IN ORANGE COUNTY. I-5 IN IRVINE TO I-605 IN SEAL BEACH	Culver Storm Channel, San Diego Creek Reach 1 and Reach 2, Lane Channel, Santa Ana River Reach 1, East Garden Grove Wintersburg Channel, Anaheim Barber City Channel, Bolsa Chica Channel	-	-	-	0	0	0%	WPCP	Exempt	-	1/31/2014	6/23/2020	11/24/2020	5/18/2021

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
161	12-0K710	ORA	405	0	9.1	8	ADD ONE LN ON BOTH N/B & S/B I-405 IMPROVE CHOKEPOINTS AT INTERCHANGES AND ADD MERGING LNS ON & OFF RAMP ORANGE COUNTY. RTE 405 FROM SANTA ANA FREEWAY I-5 TO SR-55	Airport Channel, San Diego Creek	None	None	-	43	30	?	SWPPP	3 Bioswale and 7 Detention Basin	-	5/1/2017	5/18/2020	1/4/2021	1/6/2023
162	12-0M350	ORA	405	2.6	6.5	8	EXTEND THE 2ND AUX LN ON SB I-405 & REPLACE EXIST TEMP RAILING TO TYPE 60/60C CONCRETE BARRIER. SOUTH OF SAND CANYON TO SB CULVER DRIVE OFF-RAMP.	Newport Bay through Culver Storm Channel, Culver Storm Drain and San Joaquin Channel	401	0	-	13.5	12.5	?	SWPPP	Bioswales	-	6/30/2013	5/1/2016	9/1/2016	3/1/2018
163	12-0N540	ORA	405	8.4	8.4	-	Stabilize embankment in Red Hill Avenue on the south side of I-405 Interstate-405 on Red Hill Avenue Overcrossing (OC) in the City of Costa Mesa in Orange County	Airport Channel, San Diego Creek	-	-	-	-	-	-	-	-	-	10/1/2014	5/1/2015	10/30/2015	12/1/2016
164	12-00542	ORA	405	6.8	7.6	-	CONST HOV DROP RAMPS AT VON KARMAN AVE OC	Airport Channel, San Diego Creek	-	-	-	-	-	-	-	-	-	7/2/2019	6/30/2020	11/15/2020	11/14/2023
165	12-00543	ORA	405	9.6	10.3	8	CONST HOV DROP RAMP 00540K SPL: 005410/20/30 AT BEAR STREET OC BR #55-0433	Santa Ana River	None	None	-	> 1.0 acre	-	-	-	-	-	7/2/2019	4/15/2020	11/15/2020	11/14/2023
166	12-09820	ORA	405	22.3	22.7	8	WIDENING RAMPS, RAMP INTERSECTIONS, AND BRIDGE APPROACHES IN SEAL BEACH SEAL BEACH BLVD OC	Federal Storm Channel	-	-	-	1.3	0.34	40%	SWPPP	BST	-	4/18/2003	11/17/2005	7/2/2018	12/5/2019
167	12-0F240	ORA	405	0.9	1.5	-	REMOVE EXISTING OUTSIDE SHOULDER, CONSTRUCT AUXILIARY LANE & STANDARD SHOULDER IN IRVINE ON RTE 405 FROM SR-133 TO IRVINE CENTER DR	San Diego Creek	-	-	-	-	-	-	-	-	-	6/29/2018	8/12/2019	4/8/2020	1/13/2022
168	12-0H036	-	405	2.2	2.2	8	WIDEN LAGUNA CANYON ROAD OVERCROSS IN CITY OF IRVINE AT LAGUNA CANYON ROAD	San Diego Creek	-	-	-	>1.0	-	-	SWPPP	-	-	3/22/2006	7/2/2018	12/15/2018	7/2/2020
169	12-0H045	ORA	405	3.1	3.8	8	ADD AUXILIARY LANE ON SOUTH BOUND I-405 FR UNIVERSITY ON-RAMP TO SAND CANYON OFF-RAMP	San Diego Creek Reach 2	-	-	-	1.51	0.83	3.73%	SWPPP	TBD	-	3/1/2016	8/1/2018	11/1/2018	11/1/2019
170	12-0H046	ORA	405	11.4	16.9	8	RESURFACING OF ALL LANES AND ALL ON-RAMPS AND OFF-RAMPS WITHIN THE PROJECT LIMITS ON ROUTE 405 FROM HARBOR BLVD TO BEACH BLVD	Santa Ana River	-	-	-	<1.0	-	-	WPCP	-	-	7/1/2017	7/1/2018	2/1/2019	2/4/2020
171	12-0H242	ORA	405	20.8	24.2	-	INSTALL FIBER OPTIC CABLES, CCTV & COMMUNICATION EQUIPMENT ON I-405 & I-605 IN CITY OF SEAL BEACH & ROSSMOOR	San Gabriel River, Los Alamitos Channel	-	-	-	-	-	-	-	-	-	6/13/2015	6/14/2018	12/13/2018	12/13/2019
172	12-0H320	ORA	405	2.4	2.9	8	CONSTRUCT AN AUXILIARY LANE IN SB DIRECTION IN CITY OF IRVINE FR SAND CANYON AVE ON-RAMP TO SR-133	San Diego Creek, Reach2	None	-	-	1.04	TBD	TBD	SWPPP	TBD	-	9/28/2015	4/1/2017	9/1/2017	9/1/2018
173	12-0H770	ORA	405	4.1	4.4	8	ADD 400 METER AUX. LANE ON SB I-405 & WIDENING THE OFF-RAMP TO PROVIDE A TWO LANE EXIT IN ORANGE COUNTY, CITY OF IRVINE AT JEFFREY & UNIVERSITY	San Diego Creek	-	-	-	-	-	-	-	-	-	7/1/2018	8/2/2019	4/1/2020	8/20/2021

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location				Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period		
		Co.	Route	Begin PM	End PM											RB <sup>1</sup>	PID Date	PA&ED Date	PS&E Date	Start Date	End Date
174	12-0L910	ORA	405	7.5	7.8	8	REPAIR SLOPE EMBANKMENT & DISTRESSED ASPHALT CONCRETE ROADWAY ON-RAMPS. OC. IN THE CITY OF IRVINE ON I-405 FOR NB & SB MACARTHUR ON-RAMPS.	Airport Channel, San Diego Creek	-	-	-	-	-	-	-	-	1/30/2016	11/1/2018	6/15/2019	7/15/2020	
175	12-0M630	ORA	405	6.9	20.3	8	GAP CLOSURE, REPLACE TEMPORARY RAILING (TYPE K) WITH PERMANENT CONCRETE BARRIER. I-405 BETWEEN JAMBOREE RD & VALLEY VIEW BLVD.	-	-	-	-	-	-	-	-	-	6/20/2016	6/16/2016	11/17/2016	10/22/2018	
176	12-0M940	ORA	405	13.6	14.7	8	OVERLAY WITH HFST; MODIFY GUARDRAIL, CURB & GUTTER; REMOVE & INSTALL GUARDRAIL; IMPROVE ADA.OC. I-405 NB LOOP OFF-RAMP TO SB BROOKHURST.	-	-	<1.0	-	-	WPCP	-	-	-	6/29/2013	8/30/2014	1/30/2015	1/30/2016	
177	12-0N250	ORA	405	22.52	14.7	-	RESURFACE RAMP WITH HIGH FRICTION SURFACE TREATMENT (HFST).ROUTE 405 SB ON-RAMP FROM SEAL BEACH BLVD PM 22.52. RTE 405 SB ON-RAMP FROM EB WARNER AVE PM: 14.70. RTE 133 ON-RAMP FR. SB RTE 405 PM: 8.32.	-	-	-	-	-	-	-	-	-	12/2/2014	7/15/2015	1/15/2016	1/15/2017	
178	12-0N520	ORA	405	7.3	11.8	-	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. O I-405: In Irvine and Costa Mesa, from Von Karman to Harbor Blvd.	Airport Channel, San Diego Creek	-	-	-	-	-	-	-	-	10/1/2018	10/1/2019	6/1/2020	8/1/2021	
179	12-10911	ORA	405	4.7	4.7	-	WIDEN OC IN IRVINE AT YALE AVE POC	-	-	-	-	-	-	-	-	-	4/9/1993	2/5/2017	2/5/2017	4/14/2018	
180	12-0H100	ORA	405	10.3	24.1	8	ONE-LANE WIDENING IN EACH DIRECTION & ADDING AUXILIARY LANES AT VARIOUS LOCATIONS FR SR-73/I-405 INTERCHANGE TO I-605 I-405 INTERCHANGE	Santa Ana (R2), East Fountain Valley Channel, Ocean View Channel, East Garden Grove-Winterburg Channel, Westminster Channel, Newland Channel, Edinger Storm Drain, Anaheim-Barber City Channel, Milan Storm Drain, Bolsa Chica Channel.	-	401/404, 1601, R8-2009-0003	TBD	432 acres (based on Alt. 3)	104 acres (based on Alt. 3)	22% (based on Alt. 3)	SWPPP	TBD	-	11/1/2014	4/21/2015	4/7/2016	8/4/2020
181	12-0M300	ORA	405	0	12.9	8	REMOVE & REPLACE RHMA TYPE G.O.C. ON RTE 405 FROM I-5 TO NB EUCLID ON-RAMP.	San Diego Creek Reach 1, Lane Channel, Santa Ana Delhi, Greenville Banning, Santa Ana River Reach 1, Fountain Valley Channel	-	-	-	0	0	0%	WPCP	Exempt	-	9/4/2013	10/9/2013	4/17/2014	7/1/2015
182	12-0K870	ORA	605	0.96	1.64	8	IMPROVE FREEWAY ACCESS & ARTERIAL CONNECTION TO I-605.IN THE CITIES OF ALAMITOS & CYPRESS ON I-605	San Gabriel River	-	-	-	-	-	-	-	-	1/1/2018	4/1/2021	10/20/2021	5/6/2024	

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
183	12-0N040	ORA	VAR	7.5	18.9	-	Rehabilitate 40-In mile AC Pavement and Replace 6 CMS. This project proposes to rehabilitate the existing pavement within the Express Lane facility of Route 91 and to replace the existing Changeable Message Sign (CMS) on Route 91 and Route 55.	Santa Ana River	-	-	-	0.331	None	-	WPCP	N/A	4/30/2014	-	-	1/15/2017	12/1/2017
184	12-08200	ORA	VAR	-	-	-	MODIFY RAMP IN ORANGE AT LAVITA AVE/TOWN & COUNTRY RD IC	-	-	-	-	-	-	-	-	-	-	5/24/2016	5/12/2017	11/14/2017	1/14/2019
185	12-09321	ORA	VAR	-	-	-	ADD AUXILIARY LANE IN IRVINE FROM JEFFREY ROAD CULVER AVE	-	-	-	-	-	-	-	-	-	-	7/1/2015	9/13/2017	3/28/2018	4/22/2020
186	12-09800	ORA	VAR	-	-	-	SB I-5 Laguna Hills realign on & off ramps	-	-	-	-	-	-	-	-	-	-	1/11/2017	8/15/2019	2/22/2020	2/22/2023
187	12-0A950	ORA	VAR	11.5	11.5	-	Caltrans Maintenance Facility SR 133 at Rte 5 and Marine Way	San Diego Creek	-	-	-	-	-	-	-	-	-	8/4/2017	10/1/2018	12/6/2018	12/6/2019
188	12-0E620	ORA	VAR	-	-	-	Extend 1 Auxiliary Lane SB I-5 Laguna Hills at Alicia Pkwy	-	-	-	-	-	-	-	-	-	-	6/17/2016	5/25/2017	2/2/2018	6/5/2019
189	12-0E972	ORA	VAR	0	0	8	CONSTRUCTION OF D-12 EQUIPMENT SERVICE CENTER (PS&E, CONSTRUCTION) IN ORANGE COUNTY	San Diego Creek	None	None	None	8.0 acres	6.7 acres	83%	SWPPP	2 BSWS	-	7/2/2019	7/27/2021	3/30/2022	9/29/2023
190	12-0G260	ORA	VAR	29.6	31.1	-	ROUTE 5/ROUTE 55 INTERCHANGE IMPROVEMENT IN SANTA ANA AND TUSTIN ON ROUTE 5 FROM NEWPORT BLVD/4TH ST. & RTE 55	Santa Ana Santa Fe Channel	-	-	-	-	-	-	-	-	-	4/26/2017	4/2/2018	4/10/2019	4/10/2020
191	12-0J800	ORA	VAR	-	-	-	SR 405 at Red Hill OC repair damaged and collapsed slope	Airport Channel, San Diego Creek	-	-	-	-	-	-	-	-	-	-	-	-	-
192	12-0K470	ORA	VAR	-	-	-	ON I-5 AT ALTON PARKWAY IN THE CITY OF IRVINE. Widening of Alton Parkway overcrossing at I-5	San Diego Creek	-	-	-	-	-	-	-	-	-	6/30/2017	10/1/2018	2/26/2019	7/26/2019
193	12-0L350	ORA	VAR	1.8	39	-	Roadside safety improvements (5, 55, 91) ON I-5 FR EL CAMINO REAL TO LINCOLN AVE. ON SR-55 FR SYCAMORE TO LINCOLN AVE. ON I-405 FROM CULVER DRIVE TO HEIL AVE.	Var	-	-	-	-	-	-	-	-	-	-	-	-	-
194	12-0N820	ORA	VAR	0	0	-	Design and Install traffic detection devices on PCH. Various routes, 133, 01, 74 & 142	-	-	-	-	-	-	-	-	-	-	9/1/2014	6/15/2015	1/15/2016	12/14/2016
195	12-0L520	ORA	055	1	2.7	8	CAPACITY INCREASE AND OPERATIONAL IMPROVEMENTS TO SR-55 (NEWPORT BOULEVARD) FROM 19TH STREET TO INDUSTRIAL WAY.	Lower Newport Bay	ACOE 404	Possible SARWQCB 401 Certification. Newport Bay Watershed De Minimus	Pollutants of concern for the 303(d) waterbody	25 (max.)	2.52 (max.)	8%	SWPPP	Bioswales	-	5/17/2023	7/9/2026	1/14/2027	3/6/2031
196	12-0C570	ORA	091	0.9	5.4	8	CAPACITY INCREASE WITH WESTBOUND LANE WIDENING ON SR-91 BETWEEN SR-57 AND I-5.	Carbon Creek Channel, Houston Storm Channel	ACOE 404	DeMinimus, and 401 Certification	Minimal	23.51	6+	5%+	SWPPP	Biostrrips, Bioswales	-	6/17/2010	8/30/2012	2/6/2013	11/12/2015
197	12-0G331	ORA	091	9.1	15.6	8	HIGHWAY REPLACEMENT PLANTING FOR PARENT PROJECT 0G3304 ON SR-91 FROM THE SR-55/91 SEPARATION TO SR-241/91 SEPARATION.	Santa Ana River-Reach 2	None	None	Minimal	95	0	N/A (in landscape areas)	SWPPP	Biostrrips, Bioswales with parent project	-	4/30/2012	4/15/2013	11/1/2013	11/1/2017

Table 6-1: District 12 Anticipated Project Development and Construction Schedule

No.	EA	Project Location			Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	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) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule			Construction Period			
		Co.	Route	Begin PM											End PM	RB <sup>1</sup>	PID Date	PA&ED Date	PS&E Date	Start Date	End Date
198	12-OK330	ORA	091	17.8	18.2	8	NEW HIGHWAY PLANTING ON SR-91 FROM 0.2 MILE WEST TO 0.3 MILE EAST OF DECOMMISSIONED COAL CANYON ROAD UNDERCROSSING.	Santa Ana River-Reach 2	None	None	Minimal	7	0	N/A (in landscape areas)	SWPPP	Existing Bioswales	-	9/1/2011	7/31/2012	4/18/2013	7/1/2017
199	12-OC560	ORA	091	8.1	9.3	8	PROVIDE AN AUXILIARY LANE FROM NB SR-55 TO TUSTIN AVE OFF-RAMP IN ANAHEIM FROM 0.2 KM W OF N OLIVE UP TO 0.2 KM OF TUSTIN AVENUE OC	Santa Ana River, R2	-	401/404, 402, 1602	-	6.12	5.49	31.21%	SWPPP	BSW	-	5/20/2011	4/25/2013	11/1/2013	1/31/2017
200	12-OK980	ORA	091	6	9.3	8	IMPROVE COMPLEX INTERCHANGES, INCLUDING NEARBY LOCAL INTERCHANGES ON SR-91 FROM SR-55 INTERCHANGE TO SR-57 INTERCHANGE	Santa Ana River, R2	-	401/404, 402, 1602	-	TBD	TBD	TBD	SWPPP	TBD	-	7/1/2017	4/1/2020	9/1/2020	9/1/2021
201	12-OH310	ORA	090	0	0	-	INSTALL CHANGEABLE MESSAGE SYSTEM ON SR-90 AND SR-142 AT VARIOUS LOCATION	Carbon Canyon Creek	None	-	-	0.007	0	0%	WPCP	Exempt	-	1/3/2020	10/28/2026	3/29/2029	3/29/2030

Treatment Control Status Legend	
<b>BMP Device Types:</b>	
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 12 Anticipated Maintenance Projects*

Significant Road Maintenance Projects															
No.	Co.	Route	PM	Regional Board	Description	Water Bodies Affected <sup>10</sup>	Other Regional Water Board Permits Required <sup>11</sup>	Potential and Actual Impacts of Project's Discharge <sup>12</sup>	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) <sup>13</sup>	Post-Construction Treatment Control Type, Quantity <sup>14</sup>	Start Date	Completion Date
None	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Treatment Control Status Legend	
<b>BMP Device Types:</b>	
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

<sup>10</sup> 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.”

<sup>11</sup> 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.

<sup>12</sup> 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.

<sup>13</sup> 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.

<sup>14</sup> 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 6-3 lists the District’s planned monitoring activities.

*Table 6-3: District 12 Monitoring Activities*

<b>Statewide Monitoring Program Activities</b>
<p>The District plans to:</p> <ul style="list-style-type: none"> <li>• Conduct monitoring activities in accordance with the statewide 3-year Stormwater Action Plan Supporting Study as described in the Stormwater Monitoring Plan</li> </ul>
<p><b><i>ASBS Core Monitoring Sites</i></b></p>
<p>District sites include the following:</p> <ul style="list-style-type: none"> <li>• Crystal Cove (Irvine Coast ASBS)</li> </ul>
<p><b><i>ASBS Ocean Receiving Water and Reference Monitoring Sites</i></b></p>
<p>District sites include the following:</p> <ul style="list-style-type: none"> <li>• Crystal Cove (Irvine Coast ASBS)</li> </ul>

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## **7 Region-Specific Activities**

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Section 7 of the DWP identifies the applicable region-specific activities that District 12 has planned for the fiscal year to comply with Attachment V of the Caltrans NPDES Permit. District 12 has not been identified in Attachment V of Order 2012-0011-DWQ and does not have other region-specific requirements.

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