

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

Fiscal Year

**2019-2020**

CTSW-RT-18-379.06.2



California Department of Transportation  
Division of Environmental Analysis  
Stormwater Management Program  
1750 East 4<sup>th</sup> Street, Santa Ana, California 92705

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

**October 1, 2018**



For individuals with sensory disabilities, this document is available in alternate formats upon request. Please call or write to the Stormwater Liaison, Caltrans Division of Environmental Analysis, MS-27, P.O. Box 942874, Sacramento, CA 94274-0001, (916) 653-8896 Voice, or dial 711 to use a relay service.

**California Department of Transportation  
District 12 Certification  
District Work Plan 2019-20**

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



---

**Gerardo De Santos**

**Acting District 12 Director**

9/4/18

**Date**

This page was intentionally left blank.

# Table of Contents

<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>
<b>8</b>	<b>DWP Noncompliance and Improvements .....</b>	<b>8-1</b>

## Figures

Figure 2-1: District 12 Organizational Chart .....	2-7
Figure 5-1: District 12 2018 Areas Prone to Erosion.....	5-3

## Tables

Table 2-1: District 12 Stormwater Personnel and Responsibilities.....	2-5
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 Significant Road Maintenance Activities .....	6-24
Table 6-3: District 12 Monitoring Activities .....	6-25

This page was intentionally left blank.

## General Information about the District Work Plan

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

This DWP presents information about District 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 2019-20. Implementation activities will be conducted in accordance with the procedures presented in the SWMP. In addition, this DWP fulfills Provision E.3.b of the *National Pollutant Discharge Elimination System (NPDES) Statewide Storm Water Permit Waste Discharge Requirements (WDRs) for State of California Department of Transportation* (Order Number 2012-0011-DWQ, NPDES Number CAS000003, Effective July 1, 2013) (NPDES Permit). The NPDES Permit was amended by Orders WQ 2014-0006-EXEC (January 17, 2014), WQ 2014-0077-DWQ (May 20, 2014), and WQ 2015-0036-EXEC (April 7, 2015). A conformed NPDES Permit was issued on April 7, 2015 (Conformed NPDES Permit), available on the California State Water Resources Control Board's (SWRCB) website:

[http://www.waterboards.ca.gov/board\\_decisions/adopted\\_orders/water\\_quality/2012/wq2012\\_0011\\_dwq\\_conformed\\_signed.pdf](http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2012/wq2012_0011_dwq_conformed_signed.pdf)

The NPDES Permit was further amended by Order WQ 2017-0026-EXEC on November 27, 2017. This permit amendment describes the primary modifications to several Areas of Special Biological Significance (ASBS) sampling locations and incorporation of compliance units crediting due to the SWRCB's adoption of the trash provisions on April 7, 2015 (effective on December 3, 2015).

The DWP's eight 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 Conformed NPDES Permit. Section 8 identifies deviations that occurred from the prior DWP that resulted or will result in noncompliance with the Conformed NPDES Permit or SWMP and describes improvements performed in response to the incidents of noncompliance.

## District Goals and Commitments

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 implementing the Statewide Stormwater Management Plan (SWMP), TMDL Coordination, and the Areas of Special Biological Significance (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. This includes any updates to the TMDL program, the Caltrans SWMP, and the Project Planning and Design Guide (PPDG).

The District will also:

- Continue to develop projects in the SHOPP 335 program for storm water mitigation projects.
- Maintain an exchange of information with municipalities and the County of Orange to discuss regional water quality issues and resolve these storm water issues with municipalities per the Caltrans NPDES permit requirements for municipal coordination.
- Attend Orange County Transportation Authority (OCTA) Measure M2 committee meetings for water quality retrofits.
- Work as a partner with OCTA, the Design Builder, and adjacent municipalities on the I-405 widening Design Build Project.
- Continue storm water training on the 2016 PPDG, infiltration tool, ongoing construction, and SWPPP training.
- Review and update Facility Pollution Prevention Plans (FPPPs) for maintenance facilities.
- 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.

Per the Caltrans Statewide NPDES permit Section E.3.b, District staff shall meet with the RWQCB staff on an annual basis prior to submittal of the workplans. District 12 staff met with the Santa Ana RWQCB staff on August 27, 2018 and the San Diego RWQCB staff on August 28, 2018 at the San Diego RWQCB offices to discuss the draft DWP and address any comments.



## **2 District Personnel and Responsibilities**

---

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

### **District NPDES Stormwater Coordinator**

Under the general direction of the 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 Reports (WQARs) as determined by the Environmental Document.

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

## **Maintenance Stormwater 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 Stormwater 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:

- Reviews projects from the PID phase through the PS&E phase for concurrence with the temporary construction site BMPs strategy outlined in the SWDR.
- Coordinates and tracks water pollution control training of construction staff.
- Assists Resident Engineers with review of the 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 Independent Quality Assurance (IQA) inspections (CCEP) 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 the Construction Resident Engineer in preparing reports to the DSWC for submittal to the RWQCBs as requested.
- Attends or schedules CSWC representatives to attend Quality Assurance Level II (QAII) 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 as defined in the SWMP.
- Attends the Headquarters quarterly Construction Industry Storm Water Subcommittee (CISWS) meetings.
- Attends or schedules CSWC representatives to attend Pre-Construction meetings to inform the contractors of SWPPP/WPCP requirements for the projects.

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 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 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	(657) 328-6159	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	(657) 328-6163	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	657) 328-6031	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	Maintenance Stormwater Coordinator	(949) 279-9473	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.
Shahryar Deravi	Permits Coordinator	(657) 328-6403	shahryar.deravi @dot.ca.gov	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.
James Thornburg	Right of Way Coordinator	(657) 328-6347	james.thornburg@dot.ca.gov	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 Conformed NPDES Permit and SWMP required documents.

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

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
Jerry De Santos, District Director (Acting)	(657) 328-6001	j.de.santos@dot.ca.gov	All District Documents
Chris Flynn, Deputy District Director, Environmental Analysis	(949) 279-8559	chris.flynn@dot.ca.gov	All District Documents except District Work Plan
Grace Piña-Garrett, DSWC	(657) 328-6159	grace.pina-garrett@dot.ca.gov	All District Documents except District Work Plan

<b>Position or Individual</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Documents Authorized for Signatures</b>
Resident Engineers			SWPPP, Notice of Intent (NOI), Notice of Termination (NOT), Notice and Non-Compliance Reporting, Discharge or threat of Discharge Notification, Incident Report Form
Frank Lin Office Chief Construction	(949) 289-3551	frank.lin@dot.ca.gov	Backup Legally Responsible Person (LRP)
Reza Aurasteh, Branch Chief, Environmental Engineer	(657) 328-6138	reza.aurasteh@dot.ca.gov	Notice of Soil Reuse with Aerially Deposited Lead (ADL)
Richard Reed/ Maintenance Storm Water Coordinator	(949) 279-9473	richard.reed@dot.ca.gov	Facility Pollution Prevention Plans (FPPP)

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



This page was intentionally left blank.



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

---

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

This page was intentionally left blank.

## 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>	-

This page was intentionally left blank.

## 5 Slopes Prone to Erosion

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*


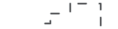

Road Segment	County	Regional Board	Watershed	Scheduled Stabilization Date
74 (PM 12.0-015.7)	Orange	9	San Juan Creek	TBD

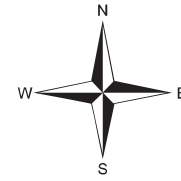
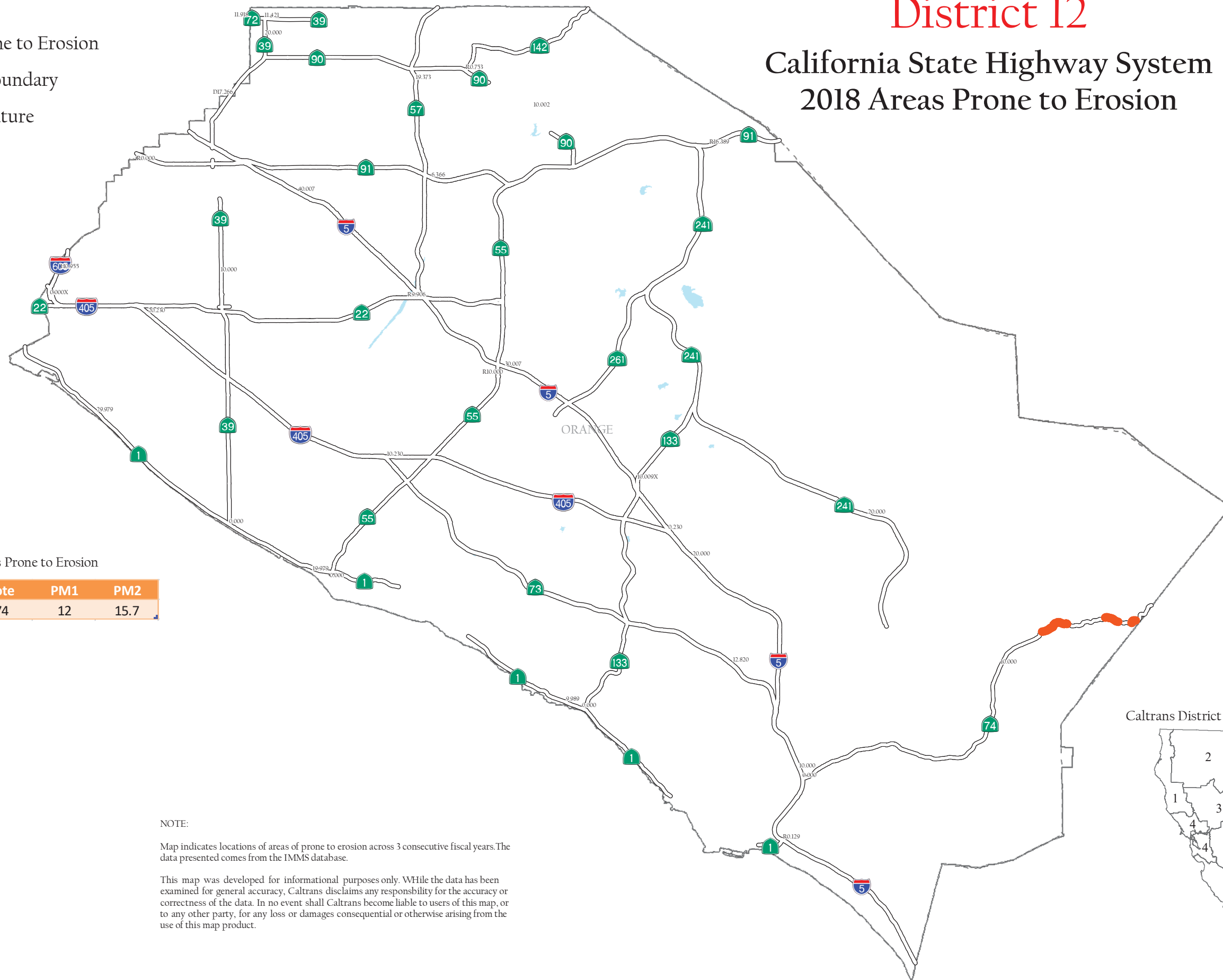
Figure 5-1 is a map showing California State Highway System areas that required maintenance within District 12 in 2018, including rock cut slopes, landslides, and moderate soil erosion.

This page was intentionally left blank.

# District 12

## California State Highway System 2018 Areas Prone to Erosion

-  Areas Prone to Erosion
-  County Boundary
-  Water Feature



Slopes Prone to Erosion

County	Route	PM1	PM2
ORA	74	12	15.7

NOTE:

Map indicates locations of areas of prone to erosion across 3 consecutive fiscal years. The data presented comes from the IMMS database.

This map was developed for informational purposes only. While the data has been examined for general accuracy, Caltrans disclaims any responsibility for the accuracy or correctness of the data. In no event shall Caltrans become liable to users of this map, or to any other party, for any loss or damages consequential or otherwise arising from the use of this map product.

Caltrans District Boundary



State of California  
Department of Transportation  
Division of Maintenance GIS  
July 19, 2018



Figure 5-1

This page was intentionally left blank.



## 6 Implementation

---

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

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

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

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

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

This page was intentionally left blank.

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
1	12-OH150	ORA	1	4.7	14.1	8	Upgrade ADA curb access ramp to current standards. In Orange County, SR-1 from 0.19 Mile South of Vista Del Sol to Newport Coast Dr.	Aliso Creek			0.84	0		WPCP	n/a	8/31/2009	7/30/2024	3/6/2025	3/2/2028	
2	12-OL610	ORA	1	19.1	19.1	8	Construct Pedestrian Crossing. In Newport Beach, PCH at Maritime Training Center.	Pacific Ocean								12/30/2016			03/09/2020	
3	12-OM470	ORA	1	22.7	24.6	8	Modify TFC Signals & add Lighting.	Satna Ana River, Huntington Harbour, Talbert Channel, Huntington Beach Channel, Bolsa Chica Channel, Winterberg Channel	n/a	none	0.36	0		WPCP		6/29/2017	5/14/2020	11/10/2020	5/29/2023	
4	12-ON480	ORA	1	19.6	19.8	8	Reconstruct intersection West of its Current Location.	Newport Bay	n/a	none	1.63 (Alt 1) 0.73 (Alt 2)	0.04 (Alt 1) 0.17 (Alt 2)	2.5% (Alt 1) 10.4% (Alt 2)	WPCP/ SWPPP	TBD	05/11/2018	08/01/2019		04/08/2021	
5	12-ON850	ORA	1	24.85	32.72	8	Modify Signals & add Lighting In Seal Beach, at 6th St. & at Seal Beach BLVD.	Anaheim Bay								01/30/2018	02/01/2019	11/25/2019	04/21/2021	
6	12-ON910	ORA	1	18.4	18.4	8	Rebuild Failed Slope Paving & Bike Trail & Construct Slope Paving with Steel Sheet Pile.	Newport Bay	yes	401/404	0.16	0	0	WPCP	n/a	3/31/2020	11/2/2020	7/25/2021	12/25/2023	
7	12-ON930	ORA	1	20.5	20.9	8	Drainage cleaning, Maint. Access & BMP Controls. In Newport beach from Superior Ave. to Semeniuk Slough.	Semeniuk Slough	Yes	401, 404		none	-	TBD	none	10/20/2017	12/13/2018	10/10/2019	05/08/2020	
8	12-OP020	ORA	1	24.3	24.3	8	Modify Signal & Lighting, ADA Improvement.	Huntington Beach Channel	no	n/a	< 1.0	0		WPCP	n/a	12/30/2016	04/05/2017	09/25/2017	07/10/2019	
9	12-OP020	ORA	1	24.3	24.3	8	Modify Signal & Lighting, ADA Improvement. In Huntington Beach, at PCH & Huntington St.	Huntington Beach Channel	no	n/a	< 1.0	0		WPCP	n/a	12/31/2020	4/6/2021	11/11/2021	3/11/2024	
10	12-OP140	ORA	1	19.8	21.5	8	Enc. per. to replace ex. planting & Irrigation, reconfigure left turn lane pocket and traffic signal at Hoag Dr.	Newport Bay	n/a	n/a	> 1.0	0		SWPPP	n/a	8/2/2021			8/2/2023	
11	12-OP590	ORA	1	29.9	33.7	8	Resurface & rehabilitate 27 lane miles. In Seal Beach, from Warner Ave. to Los Angeles/Orange County line.	Bolsa Chica Channel, Huntington Harbour	n/a	n/a	0.7	0		WPCP	n/a	01/05/2019	01/30/2021	12/30/2021	04/30/2023	
12	12-OP660	ORA	1	12.2	13.3	8	Along NB PCH in the City of Newport Beach Stabilize bioswales.	Los Trancos Creek, Muddy Creek	No	none		0	0			08/01/2019	03/01/2020	02/01/2021	08/01/2023	
13	12-OP710	ORA	1	12.9	33	8	Replace Existing Vehicle Signals and Mountings Various Intersections.	Los Trancos Creek, Muddy Creek, Newport Bay, Bolsa Bay and Anaheim Bay	n/a	n/a	< 1.0	0		WPCP	n/a					

<sup>1</sup> Supplemental Environmental Projects designated as "SEP."

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

<sup>3</sup> Water bodies with designation for 303(d) designation are noted in parentheses.

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

<sup>5</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>6</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>7</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>8</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.

<sup>9</sup> Regional Board

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
14	12-0Q280	ORA	1	27.04	29.89	8	Install outer Separation barrier, add shoulder rumble stripe, add AC dike and place delineators on the AC dikes. In Huntington Beach, at Bolsa Chica State Beach.	inner Bolsa Bay									05/01/2019	10/15/2019	05/15/2020	06/15/2021
15	12-0Q470	ORA	1	29.9	33.7	8	Sidewalks, alleys, driveways, and some bus stop pads will be upgraded to maximum feasible., ADA standards. In Huntington Beach and Seal Beach, from Warner Avenue to Los Angeles/Orange County line.	Huntington Harbour			0.1	0		WPCP	n/a		01/05/2022	07/10/2023	05/29/2024	03/30/2026
16	12-0Q480	ORA	1	31.7	32.2	8	Plant installation/maintenance, weed removals, irrigation, monitoring/reporting	Anaheim Bay											12/24/2018	01/20/2022
17	12-0Q610	ORA	1	14.1	14.2	8	Widen shoulder 6 feet to construct Class II Bike Lane South of Intersection.	Los Tancos creek									08/31/2018	12/20/2018	05/15/2019	03/12/2020
18	12-0Q830	ORA	1	20.37	20.37	8	Upgrade signals and signal timing of SB SR 1 left turn movement onto EB Superior Ave	Newport Bay									11/01/2019	02/02/2021	11/10/2021	02/23/2023
19	12-0R410	ORA	1	17.4	21.5	8	0.2 'AC overlay and cold plane, upgrade ADA curb ramps and safety devices, re stripe pavement, remove and replace traffic loops	Santa Ana River/ Newport Bay									10/01/2019	05/05/2021	04/04/2022	10/03/2023
20	12-08990	ORA	1	5.3	5.4	9	DRAINAGE IMPROVEMENTS IN LAGUNA BCH FR 10TH AV TO 9TH AV	Pacific Ocean									2/1/2022	1/12/2022	7/12/2022	4/22/2024
21	12-0H150	ORA	1	4.7	14.1	9	Upgrade ADA curb access ramp to current standards.	Pacific Ocean									08/30/2005	08/22/2019	10/22/2020	04/01/2022
22	12-0M820	ORA	1	7.9	10.5	9	Upgrade sidewalk & pedestrian facilities to ADA standards. In Orange County, on Route 1, between Ruby street and Ledroit street.	Boat Canyon, Laguna Canyon Channel, Bluebird Canyon Creek	n/a	none	1.4			SWPPP	n/a		01/18/2018	01/08/2020	07/15/2020	02/23/2022
23	12-0M990	ORA	1	9.31	9.39	9	Replace Box Culvert (Bridge) FCO										08/31/2018	05/17/2019	04/10/2020	11/03/2020
24	12-0N260	ORA	1	11.6	11.68	9	Storm Water Mitigation. Remove and Replace K- Rail to contain source control pollutants of eroding fines, sediments and rocks from bluff slopes	Pacific Ocean	n/a	none	0.29	0		WPCP	n/a		10/31/2019	2/3/2021	11/16/2021	12/22/2022
25	12-0N400	ORA	1	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	n/a	none	0.01	0		WPCP	N/A					8/17/2032
26	12-0P690	ORA	1	5.5	7.9	9	Upgrade existing ADA curb ramps, widen sections of sidewalk and add APS systems.	Aliso Creek, Hobo Canyon	n/a	n/a	1.72			SWPPP	n/a		11/01/2018	07/22/2020	03/03/2021	01/30/2023
27	12-0Q990	ORA	1	0	0.9	9	Improve roadside worker safety, provide slope stabilization, and prevent soil erosion	San Juan Creek									11/01/2021	11/01/2022	12/01/2023	04/01/2028
28	12-0R090	ORA	1	8.37	9.96	9	Curb ramps, Sidewalk and Low wall improvements	Pacific Ocean											03/26/2019	10/21/2019
29	12-0R170	ORA	1	8.5	8.5	9	Modify traffic signal, add safety lighting and ladder striping, refresh delineation, bring ADA to standard, and add protected left turn signal heads	Pacific Ocean									03/20/2020	05/19/2021	03/01/2022	12/30/2022

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
30	12-0P680	ORA	1	13	33.6	8, 9	Upgrade of the Traffic Signals equipment. In County of Orange, in the Cities of Newport Beach, Huntington Beach and Seal Beach, at 21 locations.	Anaheim Bay, Huntington Harbour, Newport Slough, Newport Bay, Upper Newport Bay, Santa Ana River, San Gabriel River	n/a	n/a		0.89	0		WPCP	n/a	01/05/2019	01/30/2021	12/30/2021	04/30/2023
31	12-0R440	ORA	5	21.9	22.6	8	New planting and irrigation systems (PEER) Installed by City of Irvine	San Diego Creek									05/24/2018		06/29/2018	
32	12-0R510	ORA	5	36.1	36.1	8	Install new drainage system, HFST, and loop detectors. Upgrade safety devices and bring ADA to standard.	East Garden Grove Wintersburg Channel												
33	12-0R560	ORA	5	20.89	30.11	8	Replace concrete pavement panels with Precast PCC, upgrade MBGR and signs, replace 0.2 ft AC on shoulders	San Diego Creek, Peters Canyon Wash, Santa Ana Santa Fe Channel												
34	12-0N080	ORA	5	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 RIVER4600. 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).	Santiago Creek, Santa Ana River				4.5	2.3		SWPPP		03/11/2016	12/01/2016	02/16/2018	10/01/2020
35	12-0N280	ORA	5	33.67	33.69	8	providing additional safety lighting, new pavement delineation, replace damaged pavement with RSC.	Santa Ana River, Santiago Creek				< 1.0	0			n/a	8/2/2019	7/26/2020	2/23/2021	11/6/2022
36	12-0P740	ORA	5	43.61	43.61	8	This project consists of removing and replacing three defective pumps from the pump plants.	Carbon Creek Channel									7/28/2019		7/30/2019	10/2/2022
37	12-0P790	ORA	5	18.6	30.5	8	MBGR Upgrade on Route 5 from Route 405 to Route 55	Canada Channel, San Diego Creek, Serrano Creek, Agua Chinon, Bee Canyon Channel, Marshburn Channel, Tustin Newport Storm Drain	n/a			0.75	0		WPCP	n/a	03/02/2020	12/01/2021	09/01/2022	12/22/2028
38	12-0H028	ORA	5	23.2	30.3	8	Upgrade fiber optic cables, CCTV & communication equipment	Marshburn channel, San Diego creek									03/01/2017	02/01/2018	12/27/2018	06/01/2020
39	12-0C890	ORA	5	30.3	34	8	PROVIDE A SECOND HOV LANE IN BOTH DIRECTIONS	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	06/30/2015	03/30/2017	06/20/2018	08/29/2020
40	12-0L850	ORA	5	33.9	43.4	8	RTE 5 HOV lane access conversion. In Orange County, city of Fullerton and Buena park from 5/57 separation to 0.1 mile south of route 5/39 separation.	Carbon Creek Channel, Anaheim Barber Channel, Santa Ana River, Santiago Creek, El Modena Irvine Channel, Peters Canyon Wash, Agua Chinon, Serrano Creek, San Dirgo Creek, Aliso and Oso Creeks.	None	None	None	0	0	0	WPCP	None		5/27/2020	1/11/2022	10/3/2027
41	12-0N370	ORA	5	24.873	24.873	8	Construction of an elevated pedestrian/bike trail overcrossing of I-5 and Jeffrey off-ramp.	Peters Canyon Channel, San Diego Creek	no	none		0.23	0	0	WPCP	TBD	07/28/2017	11/14/2018	09/11/2019	10/07/2020
42	12-0N510	ORA	5	31	33.3	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety.	Santa Ana Santa Fe Channel									02/21/2018	12/01/2018	10/01/2019	02/01/2021

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
43	12-ON640	ORA	5	34.5	37.41	8	Grooving existing PCC, install new delineation, install new loops and modify MBGR as needed.	Santa Ana River									04/01/2016	03/03/2017	02/16/2018	05/21/2020
44	12-ON650	ORA	5	22	24.3	8	Resurface AC surface with OGAC, install Approx. 3500 LF of MBGR, and install new delineation. In Route 05 from Bake pkyw to Jeffrey Rd. in city of Irvine.	Marshburn Channel									11/01/2016	11/29/2017	06/04/2018	10/28/2019
45	12-ON950	ORA	5	29.1	42.54	8	METHACRYLATE TREATMENT AND JOINT SEAL REPLACEMENT	Santa Ana River, East Garden Grove Wintersburg, Westminster Channel									9/25/2019	1/5/2020	4/23/2020	8/2/2022
46	12-ON960	ORA	5	22.8	27.6	8	METHACRYLATE TREATMENT AND JOINT SEAL REPLACEMENT	Marshburn Channel, San Diego Creek									7/10/2019	10/29/2019	4/23/2020	8/2/2022
47	12-OP130	ORA	5	31.09	32.46	8	Add one through lane in each direction from 4th St. and 17th St.	Santa Ana Santa Fe Channel												
48	12-OP350	ORA	5	23.9	23.9	8	Relocation of Marine Way to create a new 4- way intersection with NB I-5 ramp. one additional NB exit ramp terminus lane at the new Sand Cyn. intersection, and Sand Cyn. roadway widening.	San Diego Creek												
49	12-OP390	ORA	5	35.023	35.023	8	Modify existing signals, Install high visibility LED, refresh pavement delineation, and ADA if needed. On Route 05 NB off State College Blvd. / The City Drive.	Spinnaker Storm Drain	n/a	n/a	0.005	0		WPCP	n/a		06/24/2016	03/30/2018	10/15/2018	02/04/2020
50	12-OP900	ORA	5	34.5	37.4	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails. In the cities of Santa Ana and Anaheim, from Santa Ana River to Harbor Boulevard.	Santa Ana river									08/01/2019	07/01/2020	06/01/2021	10/01/2022
51	12-OP910	ORA	5	37.4	40.9	8	Relocate facilities away from traffic. Construct roadside paving, access gates and trails. In city of Anaheim, from Harbor Boulevard to La Palma Avenue.	Carbon Creek Channel									12/01/2019	11/01/2020	09/01/2021	12/01/2022
52	12-OP920	ORA	5	40.9	41.9	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails. In city of Anaheim, from La Palma Avenue to Magnolia Avenue.	Carbon Creek Channel									08/01/2020	07/01/2021	07/01/2022	09/01/2023
53	12-OP930	ORA	5	41.9	43.1	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails. In the cities of Anaheim, Fullerton and Buena Park from Magnolia Avenue to Stanton Avenue.	Carbon Creek Channel									01/01/2021	01/01/2022	02/01/2023	10/01/2024
54	12-0Q300	ORA	5	37.4	37.4	8	High friction surface treatment. In Anaheim, SB Rte. 05 on-ramp from Harbor BLVD.	Anaheim Baber Channel			0.0125			WPCP	n/a			03/01/2019	12/02/2019	01/13/2021
55	12-0Q330	ORA	5	30.2	44.4	8	replace all overhead sign panels that have lost reflectivity new retro-reflective materials that are in compliance with current TOPD and current MUTCD standards.	Santa Ana River, San Gabriel River, Coyote Creek, Carbon Creek, Fullerton Creek Santiago Creek			TMDLs	0	0	WPCP	na		03/11/2020	03/01/2021	12/15/2021	08/14/2023

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
56	12-0J61U	ORA	5	19.2	22.2	8	REVEGETATION OF EXPOSED SLOPES FOR NPDES CONCERNS AND SOURCE CONTROL IN ORANGE COUNTY - ON RTE 5 FROM LAKE FOREST DR. TO ALTON PKWY AND ON RTE 405 FROM RTE 5 TO 0.2M 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	12/2/2016	10/2/2017	8/13/2018	6/2/2023
57	12-0F060	ORA	5	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 Clemente Coastal Streams Watershed				5.49	1.13		SWPPP	BSW	1/30/2012	7/16/2014	2/25/2016	7/3/2022
58	12-0N670	ORA	5	2.1	3	9	Install 3 new HOV overhead sign structure per California MUTCD 2012 Edition. In City of San Clemente, on NB route 05 between Avenide Presidio off ramp to E of Avenide Palizada.	Segunad Deshecha Channel									9/29/2019	4/26/2021	4/26/2021	7/3/2023
59	12-0F96A	ORA	5	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	10/27/2015	11/12/2016	11/26/2018	2/29/2024
60	12-0F96C	ORA	5	3.7	6.2	9	ADD ONE HOV LANE OC. I-5 FROM SOUTH OF AVENIDA VISTA HERMOSA TO S OF PACIFIC COAST HWY.	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek		R9-2000-002, NPDES #CAG919002, 401		39.3	7.6		SWPPP	BSW, BST	10/27/2015	5/23/2017	6/18/2018	12/13/2023
61	12-0F96E	ORA	5	6.2	8.7	9	ADD ONE HOV LANE	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	07/07/2012	12/04/2013	07/01/2019
62	12-0F96G	ORA	5	3	8.7	9	ESTABLISH EXISTING PLANTING FOR REPLACEMENT PLANTING WITH ROADWAY PROJECTS OF96A, C & E	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek									11/08/2017	07/01/2018	12/01/2018	10/01/2021
63	12-0H530	ORA	5	0	0	9	Bridge Rail Upgrade & Deck Replacement.	San Juan Creek, Bee Canyon Channel	n/a	n/a		0.11	0			WPCP	11/20/2018	6/2/2020	11/11/2020	10/2/2022
64	12-0K021	ORA	5	12.4	14.5	9	Add one lane in each direction between SR-73 and Oso PKWY, Reconstruct Avery PKWY IC and add Aux lane where needed.	Oso Creek, San Juan Creek				49.88	8.12			BSW	06/05/2014	06/13/2018	08/01/2019	09/01/2024
65	12-0K022	ORA	5	14.5	17.1	9	Add one lane in each direction between Oso PKWY and Alicia PKWY, Reconstruct La Paz Rd IC and add Aux lane where needed.	Oso Creek, San Juan Creek		SDRWQCB, NPDES No. CAG919003, Order R9- 2015-0013, 401 Cert		70.7	30.8		SWPPP	TBD	06/05/2014	12/29/2017	12/11/2018	08/01/2024
66	12-0K023	ORA	5	17.1	18.9	8, 9	Add one lane in each direction between Alicia PKWY and El Toro Rd, Extend the 2nd HOV lane in both direction to Alicia PKWY and add Aux lane where needed.	Aliso Creek, San Diego Creek		SDRWQCB, NPDES No. CAG919003, Order R9- 2015-0013, 401 Cert		45.3	6.07		SWPPP	TBD	06/05/2014	05/30/2019	06/12/2020	04/04/2024
67	12-0K024	ORA	5	12.4	18.9	9	Landscape project from SR-73 to El Toro Rd.	Oso Creek, San Juan Creek									09/01/2021	05/01/2022	02/01/2023	08/01/2026
68	12-0K670	ORA	5	21.2	31.1	8, 9	PROVIDE NEW LANES ON BOTH DIRECTION AND IMPROVE THE INTERCHANGE AT THE Y (EL TORO)	Aliso Creek, San Diego Creek	yes	401/404		195	12		SWPPP	TBD		07/01/2021	07/15/2022	09/17/2024

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
69	12-0L070	ORA	5	0	6.8	9	RUBBERIZED HOT MIX ASPHALT TYPE O OVERLAY IN OC. CITY OF SAN CLEMENTE FROM ORA/SAN DIEGO COUNTY LINE TO PCH	Segunda Deshecha Channel, Capistrano Beach Channel			< 1.0			WPCP	n/a	5/19/2020		6/2/2021	5/2/2024	
70	12-0L280	ORA	5	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								7/4/2022			3/7/2029	
71	12-0L730	ORA	5	14.79	14.8	9	EXTEND SHORT SEAT HINGES & ADDRESS SEISMIC VULNERABILITY CONCERNS.	Oso Creek			3	0.013		SWPPP		5/17/2018				
72	12-0L920	ORA	5	0	29.6	8, 9	UPGRADE PEDESTRIAN FACILITIES W/IN CT R/W TO CURRENT ADA STANDARDS.									10/2/2017				
73	12-0M490	ORA	5	1.2	2.2	9	ENHANCE CURVE, BUILD UP THE APPROACH & DEPT FROM THE BRIDGE AND INSTALL OVERHEAD SIGN. IN ORA CO IN SAN CLEMENTE 0.1 MI N OF AVE MENDOCINO OC TO 0.2 MI S OF AVE PRESIDIO 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	NA	11/2/2017	2/26/2020	9/21/2020	1/4/2024	
74	12-0M980	ORA	5	17.752	19.104	8, 9	INTERCHANGE RECONFIGURATION. OC. ON I-5/EL TORO INTERCHANGE IN THE CITY OF LAKE FOREST, LAGUNA HILLS, AND LAGUNA WOODS.	San Diego Creek, Aliso Creek	no		Alt 1-10.05 Alt 2- 9.79, Alt 3 16.33, Alt 4- 17.48	> 1.0		SWPPP	TBD	11/01/2019	08/02/2022	07/06/2023	02/02/2027	
75	12-0N330	ORA	5	12.8	21.6	8, 9	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.	Oso Creek, Aliso Creek and San Diego Creek			0.29					5/29/2018	4/3/2019	1/7/2020	7/3/2022	
76	12-0P090	ORA	5	10.14	10.55	9	Install erosion control features, passive drainage system and linear barriers at toe of slop. I-5 near Junipera Serra Rd. in the city of San Juan Capistrano and on I-5 and SR-133 IC in the city of Irvine.	San Juan Creek								03/01/2019	02/25/2020	04/26/2021	09/20/2024	
77	12-0P700	ORA	5	3.29	3.29	9	Drainage restoration at the Segunda Deshecha Channel. NB side just of the Avenida Pico off- ramp in the City of San Clemente.	Segunda Deshecha channel,	none	401/404	1.15	0		WPCP	n/a	03/01/2019	04/01/2020	12/01/2020	02/01/2023	
78	12-0Q370	ORA	5	6.62	6.62	9	Bridge Rails Upgrade. On Route 05 at PM6.62 (Bridge #5 -0225) and Route 73 at PM 26.56 (Bridge #55-0539 L/R)	Oso Creek								01/06/2020	09/01/2021	08/01/2022	02/10/2025	
79	12-0Q550	ORA	5	19.7	20	8	Embankment failure. In OC S/B Lake Forest Dr. On-Ramo to I-5 in the City of Lake Forest	San Diego Creek												
80	12-0Q820	ORA	5	30.3	31.4	8	Wet pavement mitigation	Santa Ana Santa Fe Channel								12/20/2019	05/05/2021	01/31/2022	02/27/2023	
81	12-0Q850	ORA	5	34.5	37.4	8	Place polyester concrete on 3 bridges, ensure new bridge decks have grooves, install new delineation and new sign panels, modify guardrail as needed.	Santa Ana river								02/01/2019		12/16/2020	09/15/2022	
82	12-0Q950	ORA	5	30	45	8	Interstate 5 Managed HOT Lanes Project	Santa Ana River, Carbon Canyon Creek								04/27/2021	10/24/2022	08/21/2023	12/31/2024	



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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
83	12-OR200	ORA	5	0	1.6	9	Slab replacement on inner lanes and total lane replacement of truck lanes	San Clemente Coastal Creeks									10/01/2019	07/01/2020	05/01/2021	08/01/2023
84	12-OR270	ORA	5	21.4	31.4	8	Resurface mainline NB only with RHMA	San Diego Creek									11/01/2018	11/01/2018	05/01/2019	06/01/2020
85	12-06820	ORA	22	0.7	0.7	8	WIDEN OC BOLSA CHICA RD OC AT RTE 22 & 405	Bolsa Chica Channel									7/3/2023	7/3/2025	3/2/2026	8/16/2027
86	12-0716U	ORA	022	0.6	24	8	HIGHWAY REPLACEMENT PLANTING IN THE CITIES OF SEAL BCH, GARDEN GROVE, LOS ALAMITOS & WESTMINSTER. I-405:PM 20.4/24.0, I-605:PM 3.0/R1.6, SR22 PM R0.3/R2.9.	San Gabriel River, Bolsa Chica Channel			< 1.0			WPCP	n/a		8/10/2019	10/2/2019	7/13/2020	8/2/2025
87	12-08790	ORA	022	7.8	7.8	8	MODIFY INTERCHANGE IN GARDEN GROVE AT HARBOR BLVD UC BR #55-0376	Carbon Canyon Creek									7/3/2023	12/17/2024	7/3/2025	7/5/2027
88	12-OJ870	ORA	022	9.7	10.5	8	REDIRECT NB I-5 TRAFFIC FROM CDR TO SR-22 MAINLINE, RESTRICT SR-22 MAIN LINE ACCESS & SB I-5 CONNECTOR EB SR-22 & COLLECTOR DISTRIBUTO ROAD, FR THE CITY DRIVE TO SR-22/I-57 INTERCHANGE	Santiago Creek									7/3/2023			10/9/2030
89	12-0M900	ORA	022	5.6	10.9	8	Improve/Reconfigure Channelization, Shortening the existing Collector-Distributor (CD) Road Concrete Barrier	Santa Ana River, East Garden Grove Wintersburg, Westminster Channel			2.3	0.98		SWPPP	exempt		04/15/2017	04/16/2018	01/02/2019	02/01/2021
90	12-0N500	ORA	022	11.7	13.2	8	RELOCATE FACILITIES AWAY FROM NONE TRAFFIC, CONSTRUCT ROADSIDE PAVING, AND TRAILS TO IMPROVE WORKER SAFETY.	Santiago Creek									09/28/2017	04/01/2018	02/01/2019	08/01/2020
91	12-0N920	ORA	022	9.1	9.1	8	Upgrade Drainage System at the Haster Off- Ramp.	Santa Ana River			0.15	0.0		WPCP	exempt		08/01/2017	01/14/2019	12/01/2019	07/01/2021
92	12-0P520	ORA	022	12.03	12.636	8	Enhance safety by installing lighting and modify traffic control device. W/B at Glassell St. in OC	Lewis Channel			0.17	0.17		WPCP	exempt		08/07/2018	11/01/2019	10/01/2020	11/01/2021
93	12-0P530	ORA	022	9.916	9.916	8	Enhance safety by additional safety lighting and installing TCD's	Santa Ana River												
94	12-0P980	ORA	022	6.9	6.9	8	OGAC, drainage, delineation, ADA	Westminster Channel			0.15	0		WPCP	n/a		09/13/2017	12/03/2018	07/30/2019	09/30/2020
95	12-0Q320	ORA	022	10.7	12.7	8	Improve drainage in both dir. grading PCC; resurface AC pavement with OGAC; pavement delineation. Install safety lighting. repic med barrier; new OH sign structure.	Santa Ana River, Santiago Creek			0.69			WPCP	n/a			04/01/2020	03/01/2021	04/01/2023
96	12-0Q650	ORA	022	1.2	1.2	8	Modify signal, add safety lighting, refresh striping and pavement markings and ADA if needed.	Bolsa Chica Channel						WPCP			09/30/2019	09/07/2020	07/19/2021	01/23/2023
97	12-OR290	ORA	022	5.5	5.5	8	Place HFST, loop detectors and delineation; remove and replace MBGR and concrete barrier; and bring safety devices to standard.	Westminster Channel						WPCP						
98	12-0F970	ORA	039	15.15	15.91	8	Remove/Replace Curbs & Gutters, and install Storm Drains	Coyote Creek						WPCP	n/a			07/15/2019	05/15/2020	09/30/2021

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
99	12-0H270	ORA	039	9.87	10.5	8	REHABILITATE DRAINAGE SYSTEMS, ALLEVIATE FLOODING. IN ORANGE COUNTY IN STANTON FROM 0.1 MI SOUTH OF BEVER PLACE TO 0.1 MI NORTH OF STANTON STORM CHANNEL	Anaheim Barber city channel			.31			WPCP	Exempt	06/25/2015	05/31/2016	11/01/2016	07/10/2019	
100	12-0J400	ORA	039	12.4	17.4	8	PAVEMENT REHABILITATION FROM ACACIA BLVD TO IMPERIAL HIGHWAY IN CITIES OF STANTON, ANAHEIM, BUENA PARK, LA MIRADA AND LA HABRA	carbon Creek								02/17/2014	01/12/2017	09/25/2017	08/15/2019	
101	12-0M520	ORA	039	0.6	22.2	8	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, Talbert Channel, East Garden Grove Wintersburg Channel, Carbon Creek			0.31	0.008		WPCP		05/20/2015	07/18/2017	12/13/2017	07/10/2019	
102	12-0N590	ORA	039	11.681	12.2	8	On Route 39, install new traffic signal, center median, wrought iron fence, modify crosswalk, and updating ADA to current standard (PM 11.68-12.69)	Carbon Creek			0.3	0.16		WPCP	n/a	6/16/2019	2/2/2020	8/30/2020	8/1/2024	
103	12-0N710	ORA	039	5.7	14.4	8	1-Modify Signals 2- Refresh Stripping and Pavement Markings 3- Install Lighting 4-Update ADA to current Standards.	San Gabriel River/ Coyote Creek			0.04	0		WPCP	n/a	01/29/2016	03/01/2017	10/04/2017	12/20/2019	
104	12-0N990	ORA	039	1.881	1.881	8	Modify Signals, Safety Lighting, bring ADA to standard, and refresh Striping if needed. Route 39 at Utica Street in the City of Huntington Beach.	Talbert Channel, Huntington Beach Channel			0.06	0		WPCP	n/a	06/01/2016	04/01/2018	10/01/2018	11/01/2019	
105	12-0P010	ORA	039	5.301	5.301	8	Modify Signals, add safety lighting, ADA, and refresh striping if needed. In Orange County Route 39 at Trask Avenue, in the City of Westminster.	Winersburg Channel, Santa Ana River, Westminster Channel, Loftus Channel, Fullerton Creek East Garden Grove Wintersburg Channel, Coyote Creek			0.1	0		WPCP	n/a	12/04/2017	04/15/2019	11/12/2019	05/03/2021	
106	12-0P060	ORA	039	5.141	5.141	8	Modifying Signal, Safety Lighting, ADA, Striping if needed. In Orange County, City of Huntington Beach, Hail Avenue.	Huntington Beach Channel								2/9/2021	9/28/2021	5/12/2022	5/9/2024	
107	12-0P460	ORA	039	3.64	7.14	8	CLEAN, LINE, REMOVE AND PLACE CULVERTS IN HUNTINGTON BEACH AND WESTMINSTER FROM TALBERT AVE TO 11TH ST	Huntington Harbour, Anaheim Bay			0.1	0		WPCP	n/a	12/8/2019	1/16/2020	4/23/2020	8/2/2022	
108	12-0Q030	ORA	039	0	12.9	8	Construct PCC concrete bus pads on Beach Blvd. at 22 locations. In Huntington Beach, Westminster, Stanton and Anaheim, from PCH to Stanton Ave.	Carbon Creek, East Garden Grove Wintersburg Channel, Ocean View Channel			0.5	0.5		WPCP	n/a	12/31/2020	2/22/2021	6/8/2021	12/12/2022	
109	12-0Q640	ORA	039	9.671	9.671	8	Modify signal, add safety lighting, ladder stripes on cross walk, refresh delineation and ADA if needed.	Anaheim Barber city channel								05/01/2019	08/01/2020	04/01/2021	05/01/2022	
110	12-0Q880	ORA	039	17.25	17.25	8	Modify signals, safety lighting, refresh striping and bring ADA to standard	Coyote Creek												
111	12-0R100	ORA	039	10.17	10.17	8	Add protected Left Turn Phase for the Westbound and Eastbound directions	Anaheim Barber city channel										03/26/2019	10/21/2019	

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
112	12-OR250	ORA	039	0	0	8	Culvert cleaning lining	Huntington Beach Channel									11/01/2018	11/01/2018	05/01/2019	06/01/2020
113	12-OR280	ORA	039	17.4	19.2	8	Resurface mainline with RHMA. ADA updates.	Coyote Creek									11/01/2018	11/01/2018	05/01/2019	06/01/2020
114	12-OR350	ORA	039	0	20.7	8	Upgrade pavement (class II), drainage system, bridge rail, TMS elements, and reconstruct District Materials Lab.	Huntington Beach Channel, Talbert Channel, East Garden Grove Wintersburg Channel, Carbon Creek									07/15/2021	05/12/2025	12/19/2025	02/23/2028
115	12-OR360	ORA	039	15.1	22.7	8	Remove/replace pavement and rehabilitate trapezoidal channel.	coyote creek									09/27/2019	07/23/2021	05/25/2022	07/11/2023
116	12-00550	ORA	055	7.5	7.6	8	CONST OC & HOV ACCESS RAMPS IN SANTA ANA AT ALTON AVE	Lane Channel discharging into San Diego Creek Reach 2.	None	None	None	2.65	7.42	11	SWPPP	None	4/14/2010	9/13/2022	11/8/2022	10/1/2025
117	12-01430	ORA	055	9.2	9.4	8	RECONSTRUCT NB RAMPS	Santa Ana Santa Fe Channel									05/19/1998			01/04/2021
118	12-07810	ORA	055	15.5	16.8	8	Construct new IC In Orange, at SR-55 & Meats Ave.	Santa Ana River			> 1.0	1.44		SWPPP	TBD		6/2/2021	8/2/2023		10/13/2026
119	12-0G950	ORA	055	8	9.2	8	Construct Auxiliary lane. In SR-55 NB direction from Dyer Road on ramp to Edinger Avenue off ramp.	Santa Ana Santa Fe Channel									09/11/2017	12/05/2019	12/03/2020	05/28/2021
120	12-OJ340	ORA	055	6.2	10.3	8	Increase Capacity & Improve Ops. In Irvine, Santa Ana, & Tustin, from MacArthur to I-5	Lane Channel to San Diego Creek-Reach 1, and Santa Ana- Santa Fe Channel to Peters Canyon Channel	ACOE 404	Newport Bay Watershed De Minimis 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	09/11/2017	12/02/2019	11/13/2020	07/25/2024
121	12-OK720	ORA	055	10.5	17.8	8	Increase Capacity & Improve Ops. In Tustin, Santa Ana, Orange & Anaheim, from I-5 to SR- 91	Santa Ana Santa Fe Channel, Santiago Creek									12/11/2019	01/04/2022	11/06/2022	01/22/2024
122	12-OL520	ORA	055	0	2.4	8	INCREASE CAPACITY AND IMPROVE ACCESS TO SR-55 ON SR-55 FROM 19TH STREET TO INDUSTRIAL WAY	Lower Newport Bay	ACOE 404	Possible SARWQCB 401 Certification. Newport Bay Watershed De Minimis	Pollutants of concern for the 303(d) waterbody	25 (max.)	2.52 (max.)	8%	SWPPP	Bioswales	08/12/2020	01/17/2023	12/26/2023	04/12/2028
123	12-OL740	ORA	055	2	11.8	8	PAVEMENT RESURFACING INCLUDES RAMPS & APPROACH SLAB REPLACEMENT.	Newport Bay, Delhi channel, Santa Ana Santa Fe channel									12/24/2014			
124	12-OM360	ORA	055	2.02	11.78	8	CONSTRUCT CONCRETE MEDIAN BARRIER IN PLACE OF TEMPORARY K-RAIL TO CLOSE GAPS.	Santa Ana del hi channel									2/9/2016			
125	12-OM500	ORA	055	1.2	17.9	8	Upgrade Safety Devices In Orange County in various cities at various locations from 0.9 Mile North of Route 1 to Route 55/91 Separation.	Santiago Crk, Santa Ana Santa Fe Channel, Santa Ana Delhi Channel and many cross- drainage channels.	None	None	None	4.41			SWPPP	None	06/28/2013	05/13/2016	01/10/2017	07/01/2019
126	12-ON450	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										7/19/2022		1/23/2024
127	12-ON530	ORA	055	13.2	17.8	8	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety.	Santa Ana River									03/29/2019	11/01/2019	11/01/2020	12/01/2021
128	12-ON630	ORA	055	10.7	10.7	8	Modify Signal & left turn Channelization.	Santa Ana Santa Fe Channel									12/21/2017	12/10/2018	08/01/2019	09/01/2020

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&E Date	PS&E Date	Start Date	End Date
129	12-0Q350	ORA	055	16.98	16.98	8	Construct roundabout at Lincoln Ave/Santiago Blvd. intersection, signal optimization/coordination, and construct Park&Ride lot.	Santa Ana river									05/08/2019	06/27/2019	11/27/2019	05/01/2020
130	12-0Q460	ORA	055	17	17	8	Propose Park and Ride Lot for a total of 182 spaces including handicapped parking and bicycle lockers/storage.	Santa Ana River	none		2.3	1.51		SWPPP	TBD		03/15/2018	02/27/2018	06/11/2018	03/02/2020
131	12-0Q660	ORA	055	6.46	6.46	8	Cold plane AC pavement, shoulder, gore and replace with RHMA. Remove and replace broken PCC slabs.	Airport Channel									9/12/2021	11/23/2021	5/22/2022	11/15/2023
132	12-0R150	ORA	055	13.9	13.9	8	Upgrade signals, guardrail, ADA and safety lighting and blackout sign										12/17/2019	03/16/2021	12/24/2021	04/06/2023
133	12-0R320	ORA	055	0	18.2	8	Work on pavement, OH signs, TMS, roadside, bridge, rail, drainage, stormwater, and ZEV station.	Santa Ana Del hi channel, airport channel, Santa Ana Santa Fe channel, Santiago creek									04/01/2020	08/02/2022	03/15/2023	11/07/2024
134	12-0R500	ORA	055	0.6	0.6	8	Enhance safety by modifying signals, adding safety lighting, bring safety devices to standard, and refresh delineation	Newport bay									11/01/2019	02/02/2021	11/10/2021	02/23/2023
135	12-0C110	ORA	057	20.3	21.6	8	12-0C110 Rte 57 Reconfigure Ramp IN BREA 0.5 MILE NORTH OF IMPERIAL HWY TO 0.5 N OF LAMBERT	Loftus Channel			25	2.56		SWPPP	TBD		11/25/2015	07/01/2018	11/03/2018	01/02/2022
136	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	Loftus Channel									12/31/2021	04/08/2024	03/17/2026	05/19/2028
137	12-0C740	ORA	057	20.9	22.5	8	WIDENING LAMBERT NB ON RAMP IN BREA FR LAMBERT TO END NORTH BND	Loftus Channel									5/2/2024	7/8/2024	2/12/2026	1/1/2032
138	12-0F03U	ORA	057	16.2	21.1	8	HIGHWAY REPLACEMENT PLANTING OC. IN PLACENTIA, FULLERTON & BREA FROM 0.2 MILES S OF ORANGETHORPE	Carbon Canyon Creek, Loftus Channel									12/01/2013	08/21/2017	02/15/2018	07/01/2022
139	12-0F04A	ORA	057	12.25	15.17	8	HIGHWAY REPLACEMENT PLANTING OC. NB FROM 0.3 MILE SOUTH OF KATELLA AVE. TO 0.3 MILE NORTH.	Santa Ana River						WPCP			09/29/2016	05/03/2017	09/20/2017	02/01/2022
140	12-0L090	ORA	057	11	22.5	8	PCC Profile grinding and replacing damaged concrete slabs.	Santa Ana River						WPCP			9/16/2018	2/3/2019	11/7/2019	9/1/2022
141	12-0M480	ORA	057	16.39	20.88	8	Upgrade pedestrian facilities to meet current ADA standard and refresh stripping	Santa Ana River									05/19/2017	05/01/2018	11/14/2018	05/01/2020
142	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			4.4, 2.4, 1.2	1.7, 1.2, 0.8		SWPPP	TBD		12/17/2018	01/02/2021	12/14/2021	03/04/2024
143	12-0N140	ORA	057	20.74	21.2	8	SHOULDER WIDENING, MODIFY CURBS, GUTTER AND DRAINAGE.	Loftus Channel			0.2	0.05		WPCP	n/a		6/28/2018	5/1/2019	9/9/2019	4/2/2023
144	12-0N340	ORA	057	10.8	21.8	8	Project consist of repairing concrete bridge deck spalls, placement of polyester concrete, installation of Type B seals and expansion joint neoprene gland, remove and replace existing damaged approach slabs and methacrylate seal deck.	Santa Ana river									7/29/2018	2/6/2019	10/7/2019	9/6/2022

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period				
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date			
145	12-ON580	ORA	057	14.9	15.2	8	Install cantilever guide sign and regulatory sign within an auxiliary lane	Santa Ana river											10/22/2019	08/27/2020			
146	12-ON900	ORA	057	10.7	16.6	8	Integrated Corridor Management (ICM). TOS life cycle replacement (Platinum Triangle project) On Route 57 between SR-22 & Oglethorpe Ave.	Santa Ana river										7/6/2021	4/20/2023	12/11/2023	5/27/2026		
147	12-OP450	ORA	057	11	22.5	8	PCC groove and slab replacement. OC. in Orange, Fullerton, Anaheim, Placentia & Brea from south of Chapman Avenue to LA County line.	Satna Ana River, Placentia Storm Channel, Chantilly Storm Drain, Loftus Channel, Carbon Creek			0	0		WPCP	n/a			7/25/2019	1/1/2020	6/4/2020	8/2/2022		
148	12-OP560	ORA	057	11.06	11.47	8	Install Safety lighting and modify striping. From SB off WB22/La Veta/Bristol to SB off to Chapman Ave. in the City of Orange.	Santiago Creek											9/14/2023	6/2/2020	10/4/2020	5/19/2031	
149	12-OP820	ORA	057	11.4	11.4	8	Modify Signals, Refresh Pavement Delineation, ADA	Santiago Creek												05/28/2019	12/24/2019		
150	12-OQ110	ORA	057	15.6	22.5	8	Grind and groove NB lane. In OC, In Anaheim, Fullerton, Brea & Placentia from 57/91 IC to LA County Line.	Tonner Canyon Creek, Loftus Channel, Coyote Creek			0	0		WPCP	n/a				8/23/2020	2/1/2021	6/6/2021	4/2/2024	
151	12-OQ270	ORA	057	20.8	22.6	8	Regrade slopes, add Design pollution Prevention; add landscape vegetation; treatment site BMPs if criteria are met. NB and SB SR-57 from Lambert Road to Tonner Canyon.	Coyote Creek			5.18	0		SWPPP	n/a				05/01/2020	09/01/2021	07/19/2022	08/09/2024	
152	12-OQ790	ORA	057	15.6	15.6	8	Install HFST, loop detectors, safety devices & localized slope paving												12/01/2019	09/16/2020	04/27/2021	05/20/2022	
153	12-OR130	ORA	057	11.05	11.05	8	Update Signing and Striping along ramp and at terminus intersection													06/26/2019	01/27/2020		
154	12-OR370	ORA	057	0	22.5	8	Upgrade approach slabs, roadside safety, TMS, OH signs and structures; improve bridge decks and ramp storage; install WIM												07/15/2021	05/12/2025	12/19/2025	02/23/2028	
155	12-ON680	ORA	072	11.917	11.917	8	Modify Signals. Add safety Lighting. Update ADA to current standards. Refresh Pavement Delineation.													5/14/2019	11/2/2019	8/17/2020	1/16/2023
156	12-OH034	ORA	073	25.7	28	8	NB/SB SLAB REPLACEMENT. ON/OFF RAMPS RESURFACING, SHOULDER REHAB & GRINDING													10/21/2009		9/13/2018	11/29/2022
157	12-OH225	ORA	073	26.1	28	8	INSTALL FIBER OPTIC CABLES & CCTVS ON SR-405 & SR-73													10/2/2018	3/26/2019	1/21/2020	2/12/2023
158	12-OH260	ORA	073	10.3	11.2	8	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													5/2/2022			3/25/2026
159	12-OH440	ORA	073	10	24.5	8	STORM WATER MITIGATION & SLOPE STABILITY IN VARIOUS LOCATIONS SR73 STORM WATER MITIGATION AND SLOPE ST	Laguna Creek, Aliso Creek, San Diego Creek	none		34	0	0	SWPPPP	none					2/2/2013	10/2/2016	10/31/2017	4/2/2023
160	12-OM110	ORA	073	23.6	25.2	8	ADJUST FWY CROSS- SLOPE, ADD DRAINAGE INLETS, RESURFACE RWY WITH OGAC, RESTRIPE, UPGRADE MBGR.	San Diego Creek, Bonita Creek			1.18	0		SWPPP	n/a					5/6/2017	6/11/2018	2/11/2019	7/25/2022

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
161	12-OM340	ORA	073	16.457	16.609	8	WIDEN RDWY TO IMPROVE CHANNELIZATION AT GORE AREA & WIDEN RAMP, MODIFY SIGNAL OPERATIONS.				1.1	0.43		SWPPP	N/a	6/29/2017	3/11/2019	3/30/2020	12/2/2022	
162	12-OM960	ORA	073	22.5	25.7	8	RESURFACING AC PAVEMENT ON FWY, & RAMPS, UPGRADE MBGR, CURB RAMPS AND CRASH CUSHION.									06/30/2013	10/28/2016	12/01/2017	02/10/2020	
163	12-ON720	ORA	073	10	28.016	8	Upgrade safety devices to enhance safety, reduce possible collision severity and limit maintenance personnel exposure to traffic									08/31/2017	10/31/2019	07/20/2020	12/17/2021	
164	12-ON840	ORA	073	16.859	17.059	8	Cold plane & resurface roadway with Open Graded Asphalt Concrete (OGAC) and Restripe all traffic lanes and right/left edge lines.										10/01/2018	07/01/2019	01/25/2021	
165	12-ON860	ORA	073	23.958	24.158	8	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.	Bonita Channel		401, 404	1.41	0.74		SWPPP	n/a	03/01/2018	12/02/2019	09/16/2020	08/02/2022	
166	12-OQ020	ORA	073	24.5	24.6	8	Cold plane and pave with asphalt concrete to correct roadway superelevation condition with gradual transition to existing pavement.									6/24/2020	12/1/2020	4/7/2021	10/10/2022	
167	12-08692	ORA	074	1	1.9	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								12/01/2019	06/11/2021	02/01/2023	02/01/2030	
168	12-0E310	ORA	074	0	1.6	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 Creek	ACOE 404					SWPPP	TBD	6/2/2013	10/13/2015	8/23/2016	1/1/2023	
169	12-0E31A	ORA	074	0	1.6	9	HIGHWAY REPLACEMENT PLANTING	San Juan Creek								06/01/2009	10/01/2014	09/22/2015	10/01/2019	
170	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	401	SDRWQCB, Region 9	Potentially Increased Flow and sediment	8.4	2.1	128	SWPPP	Biofiltration swales,	12/16/2013	02/01/2016	09/06/2016	07/01/2019
171	12-0L722	ORA	074	2.9	5.1	9	PE for Mitigation planting for Roadway project 0L720	San Juan Creek								03/21/2018	10/01/2018	07/01/2019	11/01/2023	
172	12-OM090	ORA	074	0.04	1.8	9	Upgrade Pedestrian Facilities Within to Current ADA Standards	San Juan Creek								07/03/2017	01/03/2019	02/07/2020	03/01/2021	
173	12-OM090	ORA	074	0.04	1.8	9	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								7/4/2021	3/2/2023	11/2/2023	12/2/2027	
174	12-OP030	ORA	074	11.5	16.599	9	Super Elevation Corrections, Safety Lighting, Shoulder widening and OGAC Overlay. In Orange County, City of San Juan Capistrano, San Juan fire station.	San Juan Creek	yes	401		6.55	1.01	SWPPP	TBD	01/02/2019	03/02/2020	12/03/2020	01/08/2029	

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
175	12-0P070	ORA	074	11.5	12.3	9	Open grade Asphalt Concrete Overlay and Shoulder Widening. In OC, City of San Juan Capistrano, West of San Juan Fire Station.	San Juan Creek									3/2/2020	3/9/2021	1/3/2022	2/4/2024
176	12-0P330	ORA	074	6	6.4	9	Re-establish Plant per Permit requirements	San Juan Creek											06/21/2016	10/01/2019
177	12-0P730	ORA	074	13.29	13.29	9	Upgrade existing non- standard concrete bridge railing.	San Juan Creek									07/01/2021	06/16/2022	05/02/2024	07/14/2027
178	12-0Q490	ORA	074	13.3	16.6	9	Plant installation/maintenance, weed removals, irrigation	San Juan Creek											09/21/2018	10/21/2019
179	12-0Q570	ORA	074	3.1	5.6	9	Ortega Highway Slope embankment Repairs.	San Juan Creek												8/1/2022
180	12-05620	ORA	090	11.8	12.5	8	CONSTRUCT GRADE SEPARATION IN YORBA LINDA AND ANAHEIM AT ORANGETHORPE AVE & ESPERANZA ROAD													10/2/2022
181	12-0H310	ORA	090	0	0	8	INSTALL CHANGEABLE MESSAGE SYSTEM ON SR-90 AND SR-142 AT VARIOUS LOCATION										1/4/2024			3/30/2036
182	12-0K560	ORA	090	0	0	8	R/W ACQ, STREET TRAFFIC SIGNING, STRIPING & LANDSCAPE MEDIAN IMPROVEMENTS	Carbon Creek Channel,			3.01	0		SWPPP			10/2/2013			8/31/2022
183	12-0M910	ORA	090	0.6	8	8	CONSTRUCTION OR MODIFY CURBS, SIDEWALKS, OR WHEELCHAIR RAMPS. OC-FROM BEACH BLVD TO ROSE DV. IN THE CITIES OF LA HABRA, FULLERTON, AND BREA.	Coyote Creek, Fullerton Creek, Carbon Creek			0.11	0.012		WPCP			11/03/2015	05/19/2017	12/29/2017	10/01/2019
184	12-0P320	ORA	090	5.93	5.93	8	Modify Signals, add Safety lighting, ADA and refresh pavement delineation. In Route 90 at Castlegate L/Placentia, in the City of Brea.	Coyote Creek, Fullerton Creek, Carbon Creek									6/29/2021	10/5/2022	9/22/2022	12/25/2022
185	12-0P580	ORA	090	2.6	5.1	8	Upgrade curb ramps, replace roadway signs when reflectivity is compromised, replace/restore existing and missing traffic delineation and overlay WB and EB general purpose and left turning Ins From Harbor Blvd. to Randolph Ave. in the cities of Fullerton and Brea.	Fullerton Creek, Coyote Creek			0.002	0		WPCP	n/a		11/01/2018	11/04/2019	07/31/2020	09/30/2022
186	12-0Q420	ORA	090	6.231	6.231	8	Modify Signal, Install LED, Add safety lighting, refresh pvmnt delineation and ADA if needed. In Brea, on Route 90 at the Shopping Center.	Fullerton Creek, Coyote Creek									03/01/2019	02/01/2020	08/01/2020	09/01/2021
187	12-0Q500	ORA	090	11.8	12.98	8	Plant installation/maintenance, weed removal, irrigation	Santa Ana River												07/28/2021
188	12-0Q900	ORA	090	3.5	3.5	8	Modify signals, add safety lighting, bring ADA facilities to standard, refresh striping	Fullerton Creek									12/23/2019	10/06/2020	08/04/2021	10/05/2022
189	12-0R180	ORA	090	1.43	1.43	8	Install new signals, add safety lighting, bring ADA to standard, and refresh striping	Coyote Creek												
190	12-0R260	ORA	090	5.5	12.8	8	REMOVE AND REPLACE RHMA (TYPE G)	Loftus Channel									11/01/2018	11/01/2018	05/01/2019	06/01/2020
191	12-0C560	ORA	091	7.9	9.5	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	yes	401/404	4.41	3.78		SWPPP	BSW		5/21/2015	12/2/2016	10/12/2017	7/2/2022

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
192	12-OC571	ORA	091	0.9	5.4	8	REPLACEMENT HIGHWAY PLANTING IN ORANGE COUNTY IN ANAHEIM AND FULLERTON FROM 0.3 MILES WEST OF BROOKHURST STREET UNDERCROSSING TO 0.2 MILES EAST OF STATE COLLEGE BOULEVARD UNDERCROSSING	Carbon Creek, Houston Channel,									03/16/2016	08/29/2016	03/20/2017	12/01/2020
193	12-OG331	ORA	091	9.1	15.6	8	HIGHWAY REPLACEMENT PLANTING	Santa Ana river									5/1/2016	12/2/2016	9/6/2017	10/2/2022
194	12-OK970	ORA	091	15.8	18.1	8	PROVIDE DIRECT CONNECTOR BETWEEN SR-241 & SR-91	Santa Ana River			43	20.5		SWPPP	TBD		08/02/2018	05/01/2019		11/01/2020
195	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		05/17/2019	07/01/2020	02/01/2021	08/01/2023
196	12-OM610	ORA	091	8.9	9.4	8	INSTALL ADDITIONAL LIGHTING AT INTERCHANGE AND UPGRADE GUARDRAIL.	Santa Ana river			0.27			WPCP	n/a		2/3/2019	5/3/2020	12/22/2020	2/2/2023
197	12-ON090	ORA	091	5.2	6.4	8	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.	Carbon Creek, Santa Ana River			< 1.0	0		WPCP	n/a		09/15/2016	07/11/2017	02/21/2018	08/01/2019
198	12-ON270	ORA	091	13.4	14.1	8	RENEW AND UPGRADE PERALTA WB WEIGH STATION	Santa Ana River	none		0.25			WPCP	none		05/27/2016	10/30/2017	10/08/2018	11/06/2019
199	12-ON27U	ORA	091	13	14.2	8	In Orange County Peralta Weigh Stations	Santa Ana River									8/2/2021	10/2/2022	7/2/2023	8/2/2025
200	12-ON320	ORA	091	9.8	18.9	8	CAPM project to address pavement needs on mainline and ramps.	Santa Ana River									06/03/2015	04/01/2019	01/05/2020	12/01/2020
201	12-ON360	ORA	091	1.015	5.398	8	Overlay with OGAC. Enhance MBGR, lighting, drainage and signing if needed.	Carbon Creek Channel			0.093	0.02		WPCP	n/a		10/3/2017	12/2/2019	7/1/2020	9/2/2022
202	12-ON490	ORA	091	12.5	13.9	8	Rehabilitate Commercial Vehicle Enforcement Facility (CVEF). Rte-91 near Anaheim, at EB Peralta Weigh Station.	Santa Ana River			0.59	0.59		WPCP	n/a		08/01/2017	11/09/2018	08/01/2019	08/14/2020
203	12-ON750	ORA	091	11.3	11.3	8	Remove and Replace a damaged section of Soundwall as a result of vehicle hit.	Santa Ana River												
204	12-OP480	ORA	091	9.2	17.2	8	Refresh striping, remove and replace markers. In Anaheim & Yorba Linda on Rte 55 (PM 17.4/R17.9) from Lincoln Ave UC to Rte 91 (PM R9.2/R17.2) from 55/91 Sep to 0.8 mi east of Gypsum Canyon Rd UC	Santa Ana River									12/16/2019	1/1/2020	4/23/2020	8/2/2022
205	12-OP510	ORA	091	2.6	2.8	8	In Buena Park, at SR91 WB off-ramp to Beach Blvd.	Coyote Creek										10/30/2015		11/01/2020
206	12-OP650	ORA	091	0.314	0.314	8	Add a lane and install overhead sign at the ramp terminus; increase left-turn storage lane; revise traffic signal system at the intersection. E/B SR-91 Off-ramp at Orangethorpe Ave.	Carbon Creek Channel									09/19/2018	04/01/2021	02/28/2024	06/21/2028
207	12-OQ040	ORA	091	2.78	2.78	8	OGAC resurfacing, loop detectors, delineation, bringing ADA to standard and guard rail. In the City of Buena Park on EB Rte 91 on-ramp from NB39	Carbon Creek Channel									06/30/2017	08/01/2018	06/01/2019	01/05/2021



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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
208	12-0Q310	ORA	091	1.9	3.4	8	Overhead Sign Structure. In Orange County, EB 91 between Rte 91 and Rte 05 in Buena park	Carbon Creek Channel									06/01/2019	05/01/2020	12/01/2020	09/01/2021
209	12-0Q510	ORA	091	9.1	15.6	8	Plant installation/maintenance, weed removals, irrigation, monitoring/reporting	Santa Ana river												07/28/2021
210	12-0Q960	ORA	091	0	18.9	8	Operational Mobility - Reconfigure ramp terminal and modify signal, upgrade existing analog CCTV's to HD CCTV's; Sign Panel - replace OH sign and bring signs to current font standards	Santa Ana River, Carbon Canyon Creek												
211	12-0R450	ORA	091	17.8	17.8	8	Replace existing CMS 7 at WB 91 near Coal Canyon	Santa Ana River											04/02/2019	01/27/2020
212	12-0R480	ORA	091	0	10.3	8	REMOVE AND REPLACE PAVEMENT DELINEATION	Santa Ana River, Carbon Canyon Creek									10/23/2018	10/23/2018	04/22/2019	08/20/2020
213	12-0G009	ORA	133	10	11	8	TRABUCO ROAD INTERCHANGE ADD NEW IC ON EASTERN TRANS. COORD EAST LEG	San Diego Creek									05/06/2020	03/26/2021	06/06/2022	12/09/2024
214	12-0M570	ORA	133	3.4	3.85	9	DITCH CLEARING AND RECONSTRUCTION. LN OC. CITY OF LAGUNA BEACH, SB SR-133 FROM EL TORO RD TO SR-73	Laguna Canyon Channel									12/9/2021	8/14/2022	4/17/2023	7/14/2024
215	12-0N060	ORA	133	3.1	3.6	9	Widen Roadway To Improve Channelization	Laguna Canyon Channel			1.2	0.79		SWPPP	n/a		09/01/2017	02/27/2020	11/01/2020	04/18/2023
216	12-0N100	ORA	133	7.8	13.7	8, 9	Relocate facilities, construct roadside paving, access roads and improve worker safety	San Diego Creek									04/21/2017	11/15/2017	06/28/2018	08/01/2020
217	12-0N110	ORA	133	9.5	9.5	8	DEEP INJECTION GROUTING.	San Diego Creek									2/8/2018	1/1/2019	1/6/2020	4/15/2025
218	12-0N660	ORA	133	3.9	13.644	8, 9	Replace damaged and outdated MBGR, non- standard AC dikes. Install permanent crash cushions. install new electrolier, fill/regrade slopes, relocate controller cabinets, headwalls, replace temp railing.	Marshburn Channel, San Diego Creek, Laguna Canyon Channel			>1.0			SWPPP			12/15/2017	02/01/2019	12/02/2019	03/15/2021
219	12-0N870	ORA	133	0.8	1.2	9	Extend #2 lane to allow proper lane drop signage and Utility Poles relocation. NB SR 133. n/o Canyon Acres Road in the City of Laguna Beach.	Laguna Canyon Channel			0.4	0.1		WPCP	n/a		01/04/2016	03/23/2018	07/01/2019	03/18/2020
220	12-0N890	ORA	133	8.5	9.3	8	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			2.41	2.4		SWPPP	TBD		02/01/2020	05/25/2021	02/10/2022	03/25/2024
212	12-0P940	ORA	133	3.3	4.1	9	Widening shoulders for Bikeway Class III, SCE utilities relocation, drainage improvements, and additional lane at El Toro / SR 133 intersection.	Laguna Canyon Channel			3	1.24		SWPPP	TBD		10/02/2018	04/27/2020	10/22/2020	01/20/2023
213	12-0P94U	ORA	133	3.1	4.3	9	Construct trapezoidal concrete channel adjacent to SB El Toro Rd to SR-73. Also, construct concrete buttress dam & detention basin adjacent to SB SR- 133 to SB SR-73 on ramp. Extend existing earthen ditch adjacent to NB SR-133.	Laguna Canyon Channel	yes	401	7.8	1.64		SWPPP	TBD		10/01/2018	01/02/2020	11/02/2020	05/31/2023

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
214	12-0Q360	ORA	133	3.1	4.1	9	Establish a detention basin, construct trapezoidal concrete channel along the southbound, and regrade the flow path to prevent flooding.	Laguna Canyon Channel				1.6		SWPPP	TBD	10/02/2018	03/19/2020	10/13/2020	08/08/2023	
215	12-0Q520	ORA	133	8.29	8.29	9	Remove and replace 7 electroliers, install 650 lf Optical Speed bars, replace controller cabinet and AC dike											10/10/2018	08/07/2019	
216	12-0Q670	ORA	133	0.96	3.42	9	In Laguna Beach, on SR 133 from Canyon Acres Drive to El Toro Road	Laguna Canyon Channel			3	1.6		SWPPP	BSW	12/14/2020	06/15/2022	04/12/2023	08/19/2024	
217	12-0R060	ORA	133	11.3	11.3	8	The City of Irvine proposes to construct a new Class 1 two way off- street bikeway and pedestrian bridge that will span over the State Route 133	Marshburn Channel								08/30/2019	03/11/2021	08/13/2021	04/14/2023	
218	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	Carbon Canyon Creek								5/9/2021			9/28/2023	
219	12-0N600	ORA	142	0.8	2.9	8	Resurface Conventional Highway Lanes	Carbon Creek			0.1	0.1		WPCP	n/a	06/29/2014	04/28/2017	11/16/2017	12/02/2019	
220	12-0N730	ORA	142	3.5	4.7	8	Address the issue of sediment being transported from adjacent to SR 142 to areas outside of State Right of Way, to comply with Department Storm Water Program.	Carbon Canyon Creek	none		1.46	0	0	SWPPP	n/a	04/15/2019	04/01/2020		12/07/2022	
221	12-0R380	ORA	142	0	6.4	8	Replace pavement (Class II) and drainage systems.	Carbon Creek Channel								09/27/2019	07/23/2021	05/25/2022	07/11/2023	
222	12-0C821	ORA	241	32.9	32.9	8	CONSTRUCT D STREET OVERCROSSING IN ORANGE COUNTY. AT THE 241/261 IC												1/12/2026	
223	12-0G010	ORA	241	37.2	37.5	8	WEIR CANYON ROAD IC ADD TWO RAMPS ON THE SOUTH									11/16/2009			9/24/2025	
224	12-0G012	ORA	241	18.5	22.5	8	FTC SB WIDENING. ADD ONE LN SB FR S OF SANTA MARGARITA PKWY TO N OF BAKE PKWY & REESTABLISH NB AUX LN									1/12/2010			1/10/2028	
225	12-0G850	ORA	241	38.4	38.4	8	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								1/25/2010			10/17/2024	
226	12-0H047	ORA	241	24.5	39	8	NB/SB RESURFACING OF ALL LANES AND ALL ON-RAMPS, OFF-RAMPS WITHIN THE PROJECT LIMITS	Santiago Creek (R1)		No	No	0.1	0	0	WPCP	N/A	03/01/2018	11/01/2020	05/15/2021	12/01/2022
227	12-0J660	ORA	241	14.5	32.5	8	REVEGETATION OF EXPOSED SLOPES FOR NPDES CONCERNS AND SOURCE CONTROL.	Aliso Creek, Trabuco Creek, San Juan Creek			28	0.7		SWPPP	n/a	12/2/2018	10/2/2019	8/27/2020	8/2/2022	
228	12-0J680	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.	Peters Canyon Wash, San Diego Creek		401	70	34.5		SWPPP	BSW, BST,	1/18/2016			9/22/2024	
229	12-0N300	ORA	241	18.3	18.32	8	IMPROVE OFF RAMP CORNER SIGHT DISTANCE									09/29/2017	01/30/2018	09/01/2018	07/01/2019	

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
230	12-0N300	ORA	241	18.3	18.32	8	IMPROVE OFF RAMP CORNER SIGHT DISTANCE NB RTE 241 off-ramp to Santa Margarita Pkwy in the City of Santa Margarita.										10/3/2021	12/2/2021	8/2/2022	6/2/2024
231	12-0Q260	ORA	241	18.07	33.7	8	Methacrylate Deck Seal Treatment and Joint Seal Replacement											11/21/2017	02/26/2018	
232	12-0Q340	ORA	241	14.1	15.1	8	Construct Oso Parkway Interchange.	Oso Creek			18	5.76			TBD				04/24/2018	12/01/2019
233	12-0Q700	ORA	241	14.5	27.4	8	Upgrade existing Metal Beam Guardrail (MBGR) with Midwest Guardrail System (MGS) and new Terminal Systems, Replace AC dikes and relocate electroliers.										02/01/2019	04/15/2020	10/02/2020	08/02/2021
234	12-0Q810	ORA	241	23.1	23.1	8	Construct Retaining Walls, Curb Ramps and Sidewalk										08/02/2018	12/31/2018	10/02/2019	08/03/2020
235	12-0Q980	ORA	241	14.5	25.7	8	Bridge Rehab, Install fiber optic cable and upgrade guardrail										10/01/2020	04/01/2022	12/01/2022	03/01/2024
236	12-11102	ORA	241	0	13.8	9	FOOTHILL TRANS CORRIDOR (SOUTH) FOOTHILL TRANSP CORRIDOR (SOUTH) FROM RTE 5 TO OSO PKWY										12/31/2022			1/8/2025
237	12-0C820	ORA	261	0	0		E ORANGE IC IMPROVEMENTS NEW SR-241 SB ON-RAMP, WIDENING & GRADING CHAPMAN AVE.	Peters Canyon Wash, San Diego Creek									01/25/2006			10/05/2022
238	12-0J650	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	12/2/2018	10/2/2019	6/18/2020	4/2/2023
239	12-0Q130	ORA	261	0	0.24	8	Install double throe Beam Median Barrier. In Irvine between Walnut Ave. and Jamboree RD.	Peters Canyon Channel			2.26	0		SWPPP	n/a	06/19/2017	08/30/2018	06/01/2019	03/15/2020	
240	12-0R390	ORA	261	6.2	6.2	8	Relocate facilities away from traffic and improve worker safety.	Peters Canyon Wash, San Diego Creek									06/01/2020	01/08/2021	06/17/2021	04/13/2022
241	12-00542	ORA	405	6.8	7.6	8	CONST HOV DROP RAMPS 00540K SPL:005410/20/30 AT VON KARMAN AVE OC AT VON KARMAN AVE OC	Airport Channel, San Diego Creek									7/3/2023	7/1/2024	11/16/2024	11/15/2028
242	12-00543	ORA	405	9.6	10.3	8	CONST HOV DROP RAMP AT BEAR STREET OC BR #55- 0433 AT BEAR STREET OC BR #55-0433	Santa Ana River	None	None	> 1.0 acre						7/3/2023	4/16/2024	11/16/2024	11/15/2028
243	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									4/19/2007	11/18/2009	7/3/2022	12/6/2024
244	12-0C78U	ORA	405	12.63	15.13	8	Add Auxiliary lanes. On NB and SB 405, from Euclid to Warner On NB and SB 405, from Euclid to Warner	East Garden Grove Wintersburg Channel									04/20/2015			07/20/2023
245	12-0E790	ORA	405	13.4	13.4	8	WIDEN OC IN FOUNTAIN VALLEY AT TALBERT AVE OC/I-405	Santa Ana River									7/3/2023			9/30/2028
246	12-0F240	ORA	405	0.9	1.5	8	REMOVE EXISTING OUTSIDE SHOULDER, CONSTRUCT AUXILIARY LANE & STANDARD SHOULDER IN IRVINE ON RTE 405 FROM SR-133 TO IRVINE CENTER DR	San Diego Creek									6/30/2022		3/10/2024	1/14/2027
247	12-0H036	ORA	405	2.2	2.2	8	WIDEN LAGUNA CANYON ROAD OVERCROSS IN CITY OF IRVINE AT LAGUNA CANYON ROAD	San Diego Creek									03/22/2006			07/02/2020

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
248	12-OH045	ORA	405	2.4	3.9	8	Construct Aux. lanes. In Irvine, on Rte 405 SB at PM 2.4/2.9; between SR-133 and Sand Canyon Ave. and at PM 3.1/2.8; between Sand canyon Ave. and University DR./Jeffrey Rd.	San Diego Creek Reach 2				16	1.67		SWPPP	TBD	03/22/2016	02/16/2017	09/28/2018	12/01/2019
249	12-OH046	ORA	405	11.4	16.9	8	RESURFACING OF ALL LANES AND ALL ON- RAMP AND OFF- RAMP WITHIN THE PROJECT LIMITS ON ROUTE 405 FROM HARBOR BLVD TO BEACH BLVD	Santa Ana River, East Garden Grove Wintersburg, Westminster Channel									7/2/2021		1/2/2023	2/5/2025
250	12-OH100	ORA	405	10.2	24	8	ONE-LANE WIDENING IN EACH DIRECTION & ADDING AUXILIARY LANES AT VARIOUS LOCATIONS	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	06/16/2015		11/14/2016	08/25/2023
251	12-OH242	ORA	405	20.8	24.2	8	INSTALL FIBER OPTIC CABLES, CCTV & COMMUNICATION EQUIPMENT ON I-405 & I-605 IN CITY OF SEAL BEACH & ROSSMOOR										4/21/2021	2/14/2022		1/30/2025
252	12-OH320	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										9/29/2019	6/22/2020		3/2/2023
253	12-OH770	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										11/8/2021	5/22/2022	12/27/2022	4/22/2025
254	12-OJ440	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	2/1/2018	12/25/2023		4/20/2026
255	12-OK710	ORA	405	0.2	8.7	8	Increase Capacity & Improve Ops. In Irvine, on Rte 405 from I-5 to SR-55	Airport Channel, San Diego Creek	none	none		111	45		TBD		10/01/2018	10/13/2026	10/15/2027	01/23/2030
256	12-OL910	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									7/30/2020	2/1/2021	11/30/2021	6/14/2023
257	12-OM350	ORA	405	2.6	6.5	8	Replace K-Rail & Extend SB Aux Lane. In Irvine, from 1700 S. of Sand Cyn to 2100 S. of Jamboree Rd.	Culver Storm Channel, San Joaquin Channel, Peters Canyon Channel, San Diego Creek				14.97	10.12		SWPPP	BSW, BTS	06/30/2013	05/15/2016	11/29/2016	12/01/2019

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
258	12-OM630	ORA	405	11.4	20.3	8	GAP CLOSURE, REPLACE TEMPORARY RAILING (TYPE K) WITH PERMANENT CONCRETE BARRIER. I-405 BETWEEN JAMBOREE RD & VALLEY VIEW BLVD.	Bolsa Chica Channel, Milan Storm Drain, Anaheim Barber Channel, Westminster Channel, East Garden Grove Wintersburg Channel			< 1.0	0		WPCP	n/a	8/2/2021	7/2/2022	12/30/2022	2/15/2025	
259	12-ON230	ORA	405	6.917	6.917	8	Improve Interchange.	San Diego Creek			0.7	0.25		WPCP	n/a	06/15/2014			05/26/2020	
260	12-ON520	ORA	405	7.3	11.8	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, Santa Ana River								10/2/2022	6/2/2023	5/3/2024	4/2/2026	
261	12-OP080	ORA	405	16.9	24.2	8	Pavement Rehabilitation for I-405, within postmile 16.9 to 24.2 In Orange County, in the City of Westminster, Huntington Beach and Seal Beach, along Interstate 405.	East Garden Grove Wintersburg Channel, Bolsa Chica Channel, Westminster channel								01/15/2022	01/16/2023	11/01/2023	06/30/2025	
262	12-OP110	ORA	405	19.012	19.012	8	Enhance safety by improving HFST, Safety Lighting, and bring Guardrail to standard. SB 405 on-ramp from Westminster Avenue in the City of Westminster.	Anaheim Barber city channel								7/11/2023	2/11/2025	9/17/2026	6/20/2028	
263	12-OP120	ORA	405	16.384	16.384	8	HSFT, Optical speed Bars, Guardrail. Route 405 NB Off Ramp to SB Route 39 in Huntington Beach.	Westminster Channel								5/2/2020	7/2/2021	2/28/2022	6/5/2023	
264	12-OP220	ORA	405	6.9	10.3	8	Gap Closure, replace temporary railing ( Type K ) with perm. conc. barrier. In Irvine, Santa Ana, & Costa Mesa, I- 405 between Jamboree Rd. & Valley View BLVD.	Santa Ana del hi channel			0.196	0		WPCP	n/a	08/31/2017	08/14/2018	04/02/2019	07/27/2020	
265	12-OP400	ORA	405	5.831	5.831	8	Modify existing signals, install high visibility LED for improved visibility, refresh pavement delineation, and ADA if needed. On Route 405 SB off Culver Drive, in the City of Irvine.	Culver Storm Channel			0.1	0.05		WPCP		03/01/2019	03/04/2020	09/21/2020	10/14/2021	
266	12-OP990	ORA	405	5.73	5.73	8	Modify signals, widen shoulder, improve drainage, refresh pavement delineation and ADA.	San Diego Creek												
267	12-OQ970	ORA	405	0	11.4	8	Replace Slab, grinding, cold plane, replace shoulders, place Methacrylate deck seal and operational improvement at WB Culver Dr On-Ramp to NB I-405 and WB Jeffrey Rd On-Ramp to NB I-405									12/29/2020	10/22/2024	06/05/2025	08/11/2027	
268	12-OR330	ORA	405	11.4	24.1	8	Replace AC and OH signs and upgrade bridge rails.													
269	12-OR570	ORA	405	16.9	24.2	8	Upgrade pavement, roadside safety and rehab, and WIM scales.													
270	12-10911	ORA	405	4.7	4.7	8	WIDEN OC IN IRVINE AT YALE AVE POC									4/10/1997		8/2/2022	9/15/2025	
271	12-OK870	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			5.3 alt 2 8.0 Alt 3	1.12/ 2.08		SWPPP	TBD	09/01/2018	06/01/2032	03/29/2033	02/01/2035	

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

No.	EA	Project Location					Project Description <sup>1,2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Other Regional Water Board Permits Required <sup>5</sup>	Potential and Actual Impacts of Project's Discharge <sup>6</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>7</sup>	Post-Construction Treatment Control Type, Quantity <sup>8</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>9</sup>											PA&ED Date	PS&E Date	Start Date	End Date
272	12-08200	ORA	VAR			8	MODIFY RAMP IN ORANGE AT LAVITA AVE/TOWN & COUNTRY RD IC										5/25/2020	5/13/2021	11/2/2021	11/1/2023
273	12-09321	ORA	VAR			8	Aux Lane. In Irvine, from NB Jeffery Rd/Univ. Dr. Loop On-Ramp to 1,400' S. of Culver Dr. Off- Ramp.										8/2/2023	9/9/2024	9/30/2025	9/21/2028
274	12-09800	ORA	VAR			8	RELOCATE SB I-5 ON & OFF RAMPS REALIGN FRONTAGE RD INSTALL SIGNALS DRAINAGE LANDSCAPE & R/W IN LAGUNA HILLS SB ON & OFF RAMPS EL TORO RD PM 18.7 AVENIDA DE CARLOTA RAMP RELOCATION										1/12/2021	8/16/2023	2/8/2024	12/31/2027
275	12-0A950	ORA	VAR	11.5	11.5	8	Caltrans Maintenance Facility SR 133 at Rte 5 and Marine Way										8/5/2021	10/2/2022	12/7/2022	10/9/2024
276	12-0E620	ORA	VAR			8	Extend 1 Auxiliary Lane SB I-5 Laguna Hills at Alicia Pkwy										6/18/2020	3/3/2021		6/26/2024
277	12-0E972	ORA	VAR	0	0	8	CONSTRUCTION OF D- 12 EQUIPMENT SERVICE CENTER (PS&E, CONSTRUCTION)	San Diego Creek	none	none	none	8.0 acres	6.7 acres	83%	SWPPP	2 BSWs	9/13/2011	12/2/2014	2/13/2022	10/7/2024
278	12-0G260	ORA	VAR	29.6	31.1	8	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									8/2/2009	2/5/2024		8/9/2026
279	12-0H026	ORA	VAR	0.3	13.6	8	IN IRVINE, LAGUNA BEACH FROM SR-001 TO OSO CREEK. Capital preventive maintenance for pavement preservation 133	Laguna Canyon Creek									8/18/2009			2/2/2024
280	12-0K470	ORA	VAR			8	ON I-5 AT ALTON PARKWAY IN THE CITY OF IRVINE. Widening of Alton Parkway overcrossing at I-5										7/1/2021			5/26/2024
281	12-0P490	ORA	VAR	0	0	8	Resurface at VAR. ramps. In Costa Mesa, SR55 @ SB55/SB405 connector. In Irvine, 405 @ MacArthur to 55/405 IC, SB 55/Airport exit. In Orange, Anaheim, on 57 from 22 to Toner Canyon and VAR ramps; RR 0.1' RHMA "G"	Airport Channel, Santa Ana River									1/8/2020	1/1/2020	6/4/2020	8/2/2022
282	12-0P720	ORA	VAR	0	0	8	On SR-55- HFST Overlay, safety lighting, optical speed bars, ADA to standard, high visibility striping. On SR-91- OGAC resurfacing, pavement delineation, slope stabilization, ADA ramps, guard rail enhancement as needed. In City of Tustin on Rte 55 SB off to Lincoln and in the City of Orange on Rte 91 EB off to Tustin Ave.				0.4	0		WPCP	n/a		04/15/2018	11/01/2018	11/01/2020	

<b>Treatment Control Status Legend</b>	
<b>BMP Device Types:</b>	
BIOSTP	Biofiltration Strips
BIOSWL	Biofiltration Swales
C	Under Consideration
CNTBOX	Gross Solids Removal Devices (Inclined Screen)
DETBAS	Detention Basins
DPPIA	Design Pollution Prevention Infiltration Area*
DWFD	Dry Weather Flow Diversion
E	Exempt
INDBAS	Infiltration Basins*
INDTRE	Infiltration Trench*
LNGTBE	Gross Solids Removal Devices (Linear Radial)
MCTT	Multi-Chambered Treatment Trains
MF-ADS	Austin Sand Filters
MF-DSF	Delaware Sand Filters
Other	Other (specify type)
SA	Stabilization Areas
TRCSND	Traction Sand Traps
WETBAS	Wet Basins

\* 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.)

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

**Table 6-2: District 12 Anticipated Significant Road Maintenance Activities**

No.	Co.	Route	Beg PM	End 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>	
BIOSTP	Biofiltration Strips
BIOSWL	Biofiltration Swales
C	Under Consideration
CNTBOX	Gross Solids Removal Devices (Inclined Screen)
DETBAS	Detention Basins
DPPIA	Design Pollution Prevention Infiltration Area*
DWFD	Dry Weather Flow Diversion
E	Exempt
INDBAS	Infiltration Basins*
INDTRE	Infiltration Trench*
LNGTBE	Gross Solids Removal Devices (Linear Radial)
MCTT	Multi-Chambered Treatment Trains
MF-ADS	Austin Sand Filters
MF-DSF	Delaware Sand Filters
Other	Other (specify type)
SA	Stabilization Areas
TRCSND	Traction Sand Traps
WETBAS	Wet Basins

\* 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.)

<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>TMDL Monitoring Sites</b></p> <ul style="list-style-type: none"> <li>• SR 73 Austin Sand Filter and Bioretention Basin:               <ul style="list-style-type: none"> <li>○ San Diego Creek and Newport Bay, including Rhine Channel (Metals (Cu, Pb, and Zn)) TMDL</li> <li>○ San Diego Creek and Upper Newport Bay (Cadmium) TMDL</li> <li>○ San Diego Watershed (Organochlorine Compounds, (DDT, Chlordane, PCBs, and Toxaphene)) TMDL</li> </ul> </li> </ul>

This page was intentionally left blank.

## **7 Region-Specific Activities**

---

Section 7 of the DWP identifies the applicable region-specific activities that District 12 has planned for the fiscal year 2018-19 to comply with Attachment V of the Conformed NPDES Permit. District 12 has not been identified in Attachment V of Order 2012-0011-DWQ and does not have other region-specific requirements.

This page was intentionally left blank.

## **8 DWP Noncompliance and Improvements**

---

Section 8 of the DWP identifies the deviations that occurred from the prior DWP that resulted or will result in noncompliance with the Conformed NPDES Permit or SWMP. In addition, it describes the improvements that were performed in response to the incidents of noncompliance. District 12 had no DWP noncompliance incidents or improvements that were identified.

This page was intentionally left blank.