

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

Fiscal Year

**2017-2018**

CTSW-RT-16-316.11.1



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

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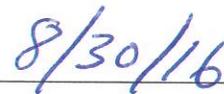
For individuals with sensory disabilities, this document is available in alternate formats upon request. Please call or write to the Stormwater Liaison, Caltrans Division of Environmental Analysis, MS-27, P.O. Box 942874, Sacramento, CA 94274-0001, (916) 653-8896 Voice, or dial 711 to use a relay service.

**California Department of Transportation  
District 12 Certification  
District Work Plan 2017-18**

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



**Ryan Chamberlain**



**Date**

**District 12**

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# 1 Introduction

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## 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 2017-18. Implementation activities will be conducted in accordance with the procedures presented in the SWMP. In addition, this DWP fulfills Provision E.3.b of the *National Pollutant Discharge Elimination System (NPDES) Statewide Storm Water Permit Waste Discharge Requirements (WDRs) for State of California Department of Transportation* (Order Number 2012-0011-DWQ, NPDES Number CAS000003, Effective July 1, 2013) (NPDES Permit). The NPDES Permit was amended by Orders WQ 2014-0006-EXEC (January 17, 2014), WQ 2014-007-DWQ (May 20, 2014), and WQ 2015-0036-EXEC (April 7, 2015). A conformed NPDES Permit was issued on April 7, 2015 (Conformed NPDES Permit), available on the California State Water Resources Control Board's (SWRCB) website:

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

The DWP's seven sections describe how the District plans to implement the stormwater program during the upcoming fiscal year. Section 1 introduces the DWP, describes its organizational structure, and identifies the key goals and commitments made by the District for the upcoming fiscal year. Section 2 describes the personnel with stormwater operations responsibilities in the District. In Section 3, the District'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.

## District Goals and Commitments

District 12 has a continuous training program for Design, Construction, Encroachment Permits, and Maintenance staff on stormwater issues. This training includes tailgate meetings and formal classes on specific stormwater management strategies and activities. The District will be coordinating with Caltrans Headquarters to ensure that the District will be in compliance with the Caltrans NPDES Permit in addition to 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, the new Project Planning and Design Guide (PPDG).

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## **2 District Personnel and Responsibilities**

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

### **District NPDES Stormwater Coordinator**

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

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

## **NPDES Stormwater Unit**

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

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

## **Environmental Liaison**

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

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

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

## **Maintenance 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:

- Coordinates and tracks water pollution control training of construction staff.
- Assists Resident Engineers with review of SWPPP and Water Pollution Control Program (WPCP).
- Assists the Construction Resident Engineer in providing the DSWC approved SWPPPs to the RWQCBs as requested.
- Attends or schedules CSWC representatives to participate in 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 Construction Resident Engineer in preparing reports to DSWC for submittal to the RWQCBs as requested.
- Conduct Quality Assurance (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 defined in the SWMP.
- Attends Headquarters quarterly Construction Industry Storm Water Subcommittee (CISWS) meetings.
- Attends 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 gross violation of Caltrans’ NPDES Permit, SWMP, or DWP.

### Engineering Services (Hydraulics) Representative

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

### Encroachment Permits Coordinator

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

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

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

Staff Name	Title	Phone No.	E-mail	Responsibility
Grace Piña-Garrett	District NPDES/ Stormwater Coordinator	(949) 724-2189	grace.pina-garrett@dot.ca.gov	Primary contact for all District NPDES/Stormwater issues. Oversees the District NPDES/Stormwater Unit and coordinates with the other NPDES/Stormwater functional units within the District.
Hector Salas	Environmental Specialist, Environmental Liaison	(949) 724-2625	hector.salas@dot.ca.gov	Under the direction of the District’s NPDES/Stormwater Coordinator, the Environmental Specialist ensures Caltrans NPDES Permit compliance from all functional units. Contacts and submits all information to the RWQCB; Environmental Liaison to the District NPDES/ Stormwater Coordinator. Reviews projects in the planning and environmental document phase. Prepares Technical Water Quality Documents for Caltrans projects.

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

Staff Name	Title	Phone No.	E-mail	Responsibility
Mark Doroudian	Construction Stormwater Coordinator	(949) 724-2133	mark.doroudian@dot.ca.gov	Assisting Resident Engineers with review of SWPPP and WPCP. Liaison between field construction and District NPDES Stormwater coordinator.
Richard Reed	Maintenance Stormwater Coordinator	(949) 440-3413	richard.reed@dot.ca.gov	Liaison between Maintenance field crews and District NPDES/ Stormwater Coordinator. Inspects Maintenance facilities and provides training to Maintenance field personnel.
Shawn Romouzi	Permits Coordinator	(949) 724-2080	Shawn.Romouzi@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.
-	Right of Way Coordinator	-	-	Conducts Airspace Lease Inspections for Water Quality

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

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

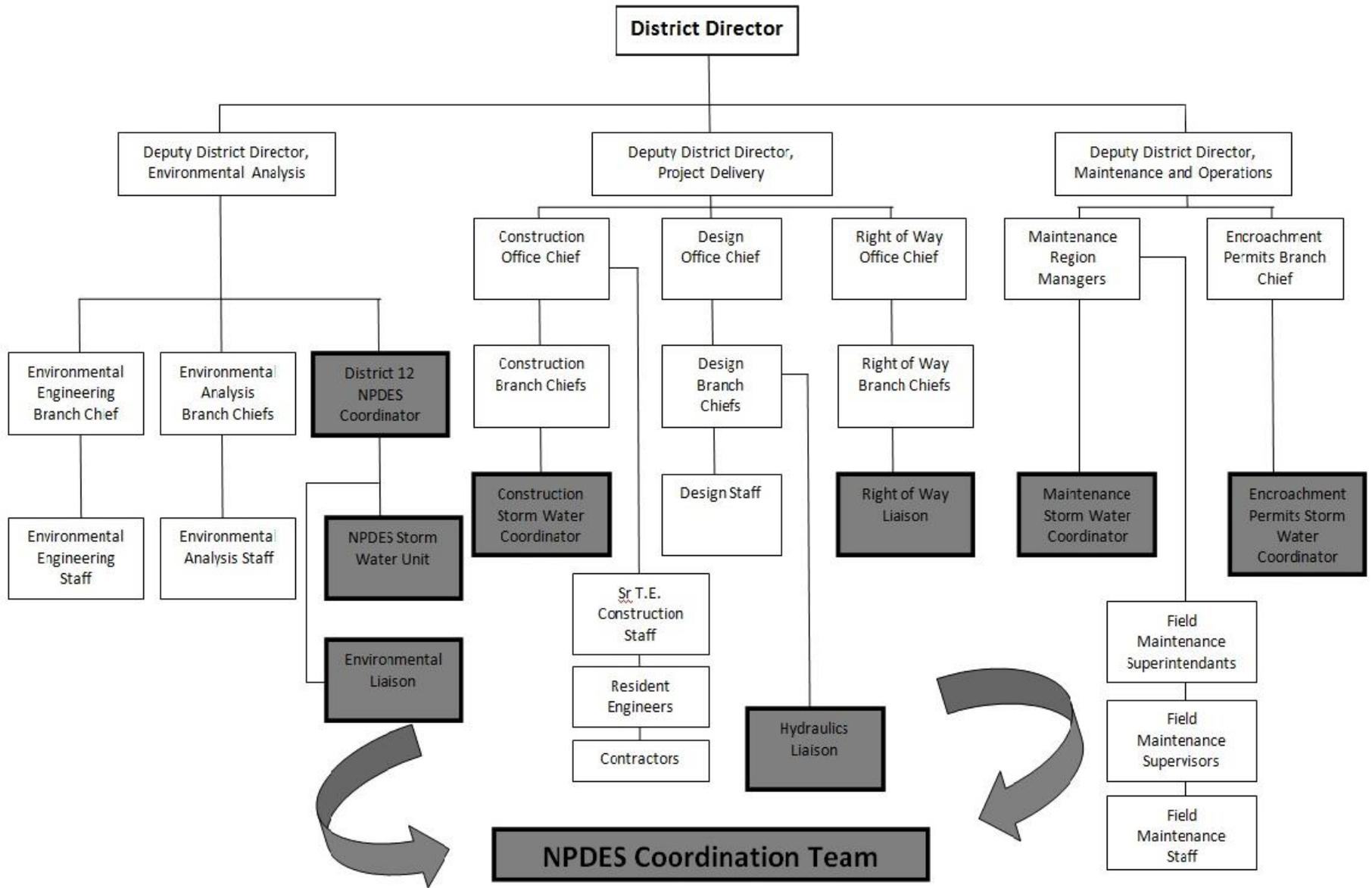
Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
Ryan Chamberlain, District Director	(949) 440-3440	ryan.chamberlain@dot.ca.gov	All District Documents, Legally Responsible Person (LRP)
Chris Flynn, Deputy District Director, Environmental Analysis	(949) 724-2018	chris.flynn@dot.ca.gov	All District Documents except District Work Plan
Grace Piña-Garrett, DSWC	(949) 724-2189	grace.pina-garrett@dot.ca.gov	All District Documents except District Work Plan
Resident Engineers	-	-	SWPPP, Notice of Intent (NOI), Notice of Termination (NOT), Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification, Annual Report, Numeric Action Level (NAL) Exceedance Report
Frank Lin, Office Chief, Construction	(949) 724-2126	Frank.Lin@dot.ca.gov	Backup Legally Responsible Person (LRP)
Reza Aurasteh, Branch Chief, Environmental Engineer	(949) 724-2738	reza.aurasteh@dot.ca.gov	Notice of Soil Reuse with Aerially Deposited Lead (ADL)

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

<b>Position or Individual</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Documents Authorized for Signatures</b>
Richard Reed/ Maintenance Storm Water Coordinator	-	-	Facility Pollution Prevention Plans (FPPP)

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

Figure 2-1: District 12 Organizational Chart



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

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

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## 4 Drinking Water Reservoirs and Recharge Facilities

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

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

When planning projects within these defined areas, District 12 considers project design features for aiding in the prevention of accidental spills that could impact the area; these features are typically commensurate with safety improvements for reducing vehicle accidents. Examples of these features may include, but are not limited to, median barrier, guardrail, signalization, and vehicle restrictions. Features considered for improving spill response time typically include elongated drainage paths, call boxes, signage, or video surveillance.

A list of drinking water reservoirs and recharge facilities within District 12 is presented in Table 4-1.

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

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

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## **5 Slopes Prone to Erosion**

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Section 5 of the DWP identifies the road segments within District 12 that have slopes which are prone to erosion and sediment discharge. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, will be prioritized for implementing appropriate controls to the maximum extent practicable. District 12 has no slopes prone to erosion.

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## 6 Implementation

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

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

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

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

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

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
1	12-08990	ORA	001	5.3	5.4	-	DRAINAGE IMPROVEMENTS IN LAGUNA BCH FR 10TH AV TO 9TH AV	-	-	-	-	-	-	-	-	-	1/31/2018	3/15/2018	7/11/2018	7/15/2019
2	12-0H150	ORA	001	4.7	14.1	-	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, Pacific Ocean	No	-	-	0.84	0	0	WPCP	exempt	8/30/2005	10/21/2020	6/7/2021	6/1/2023
3	12-0L610	ORA	001	19.1	19.1	-	Construct Pedestrian Crossing. In Newport Beach, PCH at Maritime Training Center.	-	-	-	-	-	-	-	-	-	7/1/2018	2/28/2020	2/28/2020	3/2/2021
4	12-0M470	ORA	001	22.7	24.6	-	Modify TFC Signals & add Lighting. In Orange County in Huntington Beach at various locations from Brookhurst street to Warner Avenue.	Santa Ana River, Huntington Harbour, Talbert Channel, HB Channel, Bolsa Chica and Wintersburg Channel	No	-	-	0.36	0	0	WPCP	exempt	6/28/2013	6/15/2016	1/3/2017	5/29/2018
5	12-0M820	ORA	001	10	10.53	-	Upgrade sidewalk & pedestrian facilities to ADA standards. In Orange County, on Route 1, between Ruby Street and Ledroit Street.	Boat Canyon, Laguna Canyon Channels, and Blue Bird Creek	No	-	-	1.4	-	-	SWPPP	exempt	10/20/2017	12/4/2019	6/8/2020	1/3/2022
6	12-0M990	ORA	001	9.31	9.39	-	Replace Box Culvert (Bridge) FCO In Laguna Beach near Broadway St.	-	-	-	-	-	-	-	-	-	8/1/2016	8/1/2017	11/1/2017	6/1/2018
7	12-0N260	ORA	001	11.49	11.85	-	Storm Water Mitigation. Near Laguna Beach, from Irvine Cove Dr. to Moro Ridge Rd.	-	-	-	-	-	-	-	-	-	10/30/2015	6/15/2017	12/1/2017	6/1/2018
8	12-0N400	ORA	001	5.8	5.8	-	INSTALL LIGHT GUARD SYSTEM, SIGNING & STRIPING, AND ADA IMPROVMENT. CITY OF LAGUNA BEACH, ON PCH AT EAGLE ROCK WAY RT/TABLE ROCK DR.	-	-	-	-	-	-	-	-	-	-	-	-	7/14/2026

<sup>1</sup> Regional Board

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

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

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

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

<sup>6</sup> Regional Water Board Permits required other than Construction General Permit and Clean Water Act Section 401 water quality certification, such as Waiver of Discharge Requirements, Dewatering Permits, Bridge Painting WDRs, etc.

<sup>7</sup> This information may come from the Water Quality Assessment Report prepared for each project, a Water Quality Technical Memorandum, or other document that evaluates the water quality impacts of a project.

<sup>8</sup> A description of the Construction Controls is available in the project's Storm Water Pollution Prevention Plan (SWPPP), Water Pollution Control Plan (WPCP), or is To Be Determined (TBD) if the Disturbed Soil Area is unavailable.

<sup>9</sup> Treatment Control Status identified by: device type/number of devices, exempt ("E"), or under consideration ("C"). See Treatment Control Status Legend below for device type abbreviations.

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
9	12-ON480	ORA	001	19.6	19.8	-	Reconstruct intersection West of its Current Location. In Newport Beach, Intersection of PCH & old Newport BLVD.	-	-	-	-	-	-	-	-	-	4/29/2016	9/29/2017	4/6/2018	4/10/2019
10	12-ON850	ORA	001	0	0	-	Modify Signals & add Lighting In Seal Beach, at 6th St. & at Seal Beach BLVD.	-	-	-	-	-	-	-	-	-	5/17/2017	11/29/2018	4/29/2019	9/2/2020
11	12-ON910	ORA	001	18.2	18.2	-	Rebuild Failed Slope Paving & Bike Trail & Construct Cutoff Wall In Newport Beach, at the North Am Newport bay Bridge 55-0614	Newport Bay	Yes	401	-	0.2	0	-	WPCP	none	3/30/2016	1/3/2017	6/12/2017	2/22/2018
12	12-ON930	ORA	001	20.5	20.9	-	Drainage cleaning, Maint. Access & BMP Controls. In Newport beach from Superior Ave. to Semeniuk Slough.	Semeniuk Slough	Yes	401, 404	-	-	none	-	TBD	none	10/1/2017	8/1/2018	2/13/2019	8/9/2019
13	12-OP020	ORA	001	24.3	24.3	-	Modify Signal & Lighting, ADA Improvement. In Huntington Beach, at PCH & Huntington St.	-	-	-	-	-	-	-	-	-	11/1/2016	6/13/2017	12/1/2017	3/7/2019
14	12-OP140	ORA	001	19.8	21.5	-	Enc. per. to replace ex. planting & Irrigation, reconfigure left turn lane pocket and traffic signal at Hoag Dr. In Pacific Coast Highway from Rte. 55 to Santa Ana River Bridge in the City of Newport Beach, County of Orange.	-	-	-	-	-	-	-	-	-	10/1/2016	-	10/1/2016	7/1/2018
15	12-OP590	ORA	001	29.9	33.7	-	Resurface & rehabilitate 27 lane miles. In Seal Beach, from Warner Ave. to Los Angeles/Orange County line.	-	-	-	-	-	-	-	-	-	6/30/2017	8/25/2020	2/4/2021	4/4/2022
16	12-OP660	ORA	001	12.2	13.3	-	Along NB PCH in the City of Newport Beach Stabilize bioswales.	Muddy Creek, Los Trancos Creek	No	-	ASBS	0.75	0	-	SWPPP	-	6/6/2019	6/2/2020	12/17/2020	9/20/2021
17	12-OP680	ORA	001	13	33.6	-	Upgrade of the Traffic Signals equipment. In County of Orange, in the Cities of Newport Beach, Huntington Beach and Seal Beach, at 21 locations.	-	-	-	-	-	-	-	-	-	2/4/2019	6/15/2020	11/13/2020	12/21/2021
18	12-OP690	ORA	001	5.5	7.9	-	Upgrade existing ADA curb ramps, widen sections of sidewalk and add APS systems within project limits. From 7th street to Moss street in Laguna Beach.	-	-	-	-	-	-	-	-	-	2/3/2020	3/8/2022	8/16/2022	5/14/2024

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
19	12-0Q060	ORA	001	19.5	33.2	-	Culvert Cleaning, lining and replacement. In OC, in Newport Beach, Seal Beach from Riverside Ave. to 8th street at various locations.	-	-	-	-	-	-	-	-	-	9/1/2016	2/1/2017	6/30/2017	2/1/2018
20	12-0Q080	ORA	001	21.6	23.7	-	RR 0.1' RHMA "G" ADA Curb ramps upgrades. In OC, In Westminster, Garden Grove and Stanton on SR-39 from 405 to Acacia. In Huntington Beach on SR 01 from Santa Ana River Bridge to Beach BLVD.	-	-	-	-	-	-	-	-	-	9/1/2016	2/1/2017	7/3/2017	2/1/2018
21	12-0Q100	ORA	001	9.4	19.7	-	Sidewalk Repairs. In Newport beach and Laguna Beach at various locations.	-	-	-	-	-	-	-	-	-	9/1/2016	12/15/2016	5/15/2017	2/1/2018
22	12-0Q280	ORA	001	27	30	-	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.	-	-	-	-	-	-	-	-	-	5/20/2020	5/14/2021	12/2/2021	8/31/2022
23	12-0C890	ORA	005	30.3	34	-	PROVIDE A SECOND HOV LANE IN BOTH DIRECTIONS IN THE CITY OF TUSTIN AND SANTA ANA	Santa Ana River Reach 2, Santiago Creek Reach 4	ACOE 404	-	-	Alt 2 - 8.56, Alt 3 - 1.03, Alt 4 - 0.60	1.45	2%	SWPPP	TBD	6/30/2015	4/4/2017	9/1/2017	9/5/2019
24	12-0F96A	ORA	005	3	3.7	-	ADD ONE HOV LANE OC. I-5 FROM SOUTH OF AVENIDA PICO TO SOUTH OF AVENIDA VISTA HERMOSA	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG919002, 401	No	801	3	13.04	SWPPP	BSW, ASF	10/26/2011	5/2/2014	12/22/2014	1/9/2019
25	12-0F96C	ORA	005	3.7	6.2	-	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	No	39.3	7.6	13.45	SWPPP	BST, BSW	10/26/2011	8/30/2013	7/3/2014	1/2/2018
26	12-0F96E	ORA	005	6.2	8.7	-	ADD ONE HOV LANE OC. I-5 FROM S OF PACIFIC COAST HWY TO SAN JUAN CREEK ROAD.	San Juan Creek, Prima Deshecha Creek, Segunda Deshecha Creek	-	R9-2000-002, NPDES #CAG919002	No	19.7	2.6	8.64	SWPPP	BSW, EDB	10/26/2011	4/29/2013	12/20/2013	5/6/2019
27	12-0H101	ORA	005	10.2	24	-	Add one HOT lane in each direction between Euclid street and Seal Beach BLVD, In Rte 405/SR 73 Connector & Toll Elements from SR 73 to I-605	-	-	-	-	-	-	-	-	-	-	-	12/1/2015	7/1/2021

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
28	12-0H530	ORA	005	0	0	-	Bridge Rail Upgrade & Deck Replacement. Bridge # 55-620F on NB Rte 5 (PM 6.8) in the City of San Juan Capistrano Bridge # 55-31 on NB Rte 5 (PM 22.8/22.9) in the City of Irvine	San Diego Creek	-	-	-	0.0003	0	-	WPCP	-	11/19/2014	6/30/2016	12/15/2016	9/1/2017
29	12-0J61U	ORA	005	19.2	22.2	-	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	12/1/2012	2/4/2014	9/8/2014	12/1/2018
30	12-0K021	ORA	005	12.4	14.5	-	Add one lane in each direction between SR-73 and Oso PKWY, Reconstruct Avery PKWY IC and add Aux lane where needed.	-	-	-	-	-	-	-	-	-	6/5/2014	8/1/2018	5/1/2019	1/9/2023
31	12-0K022	ORA	005	14.5	17.1	-	Add one lane in each direction between Oso PKWY and Alicia PKWY, Reconstruct La Paz Rd IC and add Aux lane where needed.	-	-	-	-	-	-	-	-	-	6/5/2014	4/2/2018	1/3/2019	11/2/2022
32	12-0K023	ORA	005	17.1	18.9	-	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.	-	-	-	-	-	-	-	-	-	6/5/2014	8/1/2018	5/1/2019	11/2/2022
33	12-0K024	ORA	005	12.4	18.9	-	Landscape project from SR-73 to El Toro Rd. Landscape project from SR-73 to El Toro Rd.	-	-	-	-	-	-	-	-	-	9/1/2021	10/1/2022	4/1/2023	8/1/2026
34	12-0K670	ORA	005	21.2	31.1	-	PROVIDE NEW LANES ON BOTH DIRECTION AND IMPROVE THE INTERCHANGE AT THE Y (EL TORO) IN OC. ON I-5 FROM SR-55 TO EL TORO INTERCHANGE.	San Diego Creek	-	-	-	342	41	100	SWPPP	BSW, DB, ID, MF	6/1/2018	9/14/2020	9/20/2021	1/6/2025

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
35	12-OL070	ORA	005	0	6.8	-	RUBBERIZED HOT MIX ASPHALT TYPE O OVERLAY IN OC. CITY OF SAN CLEMENTE FROM ORA/SAN DIEGO COUNTY LINE TO PCH	Pacific Ocean	-	-	-	0	0	-	WPCP	-	5/18/2016	3/15/2017	7/15/2017	7/1/2019
36	12-OL280	ORA	005	8.8	8.8	-	WIDENING OF SAN JUAN CREEK RD. IN CITY OF SAN JUAN CAPISTRANO ON RTE 5 @ SAN JUAN CREEK RD UNDERCROSSING.	-	-	-	-	-	-	-	-	-	1/13/2017	12/1/2017	3/1/2018	5/14/2019
37	12-OL850	ORA	005	33.9	43.4	-	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 Diego Creek, Aliso and Oso Creeks.	None	None	None	0	0	0	WPCP	None	-	6/29/2016	1/31/2018	6/24/2019
38	12-OM490	ORA	005	1.2	2.2	-	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	11/1/2013	3/30/2016	11/1/2016	1/2/2019
39	12-OM560	ORA	005	12.8	12.8	-	WIDEN OFF-RAMP & ADD DECELERATION LN NB I-5 OFF-RAMP AT AVERY PARKWAY, MISSION VIEJO.	-	-	-	-	-	-	-	-	-	-	-	-	-
40	12-OM980	ORA	005	17.752	19.104	-	INTERCHANGE RECONFIGURATION. OC. ON I-5/EL TORO INTERCHANGE IN THE CITY OF LAKE FOREST, LAGUNA HILLS, AND LAGUNA WOODS.	-	-	-	-	-	-	-	-	-	10/29/2019	11/29/2022	6/30/2023	12/29/2026

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
41	12-ON080	ORA	005	33.3	34.5	-	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).	Santa Ana River (Reach 2) and Santiago Creek (Reach 1)	-	-	Pollutants of concern for 303(d) waterbodies	5	4.1	100	SWPPP	BST, BSW	3/11/2016	2/1/2017	10/1/2017	12/1/2018
42	12-ON280	ORA	005	33.67	33.69	-	Groove PCC Pavement, drainage improvement, delineation, and lighting. NB RTE Connector to WB RTE 22 in the City of Orange.	-	-	-	-	-	-	-	-	-	8/1/2015	12/1/2016	6/5/2017	4/4/2018
43	12-ON330	ORA	005	12.8	21.6	-	Replace conc. slabs, overlay ramps & OC/UC FWY Lanes; Upgrade MBGRs, curb ramps, crash cushions; replace roadway signs, traffic delineations, dikes. Also overlay several under crossings, NB on/off ramps & SB on/off ramps. NB & SB Rte 5 from NB Avery Parkway gore point (PM 12.8) to I-5/405 separation (PM 21.6G26).	Oso Creek, Aliso Creek and San Diego Creek (Reach 2)	-	-	Pollutants of concern for 303(d) waterbodies	0.29	0.29	-	WPCP	-	5/28/2014	6/15/2015	1/25/2016	2/1/2018
44	12-ON370	ORA	005	24.873	24.873	-	Construction of an elevated pedestrian/bike trail overcrossing of I-5 and Jeffrey off-ramp. Jeffrey Open Space Trail (JOST) Pedestrian/Bike Trail.	Peters Canyon Channel, San Diego Creek R1	-	-	Pollutants of concern for 303(d) waterbodies	1.81	0.39	-	SWPPP	-	3/30/2017	8/1/2019	12/2/2019	12/1/2020
45	12-ON510	ORA	005	31	33.3	-	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. On I-5: In Santa Ana from 4th St. to Broadway.	-	-	-	-	-	-	-	-	-	4/1/2018	4/1/2019	12/1/2019	2/1/2021
46	12-ON640	ORA	005	34.5	37.41	-	Grooving existing PCC, install new delineation, install new loops and modify MBGR as needed. In Route 05 from Santa Ana river to Harbour Blvd., in Cities of Orange and Anaheim.	-	-	-	-	-	-	-	-	-	4/1/2016	5/5/2017	12/29/2017	11/1/2019

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date	
47	12-ON650	ORA	005	22	24.22	-	Resurface AC surface with OGAC, install Approx. 3500 LF of MBGR, and install new delineation. In Route 05 from Bake pkwy to Jeffrey Rd. in city of Irvine.	-	-	-	-	-	-	-	-	-	11/1/2016	2/1/2018	11/1/2018	8/22/2019	
48	12-ON670	ORA	005	2.1	3	-	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.	-	-	-	0	0	0	WPCP	-	-	9/28/2015	10/9/2018	5/14/2019	5/12/2020	
49	12-ON940	ORA	005	4.22	13.16	-	Methacrylate deck seal treatment, patching deck and joint seal replacement. In Routes 1, 5, 22, 55, 405 various locations.	-	-	-	-	-	-	-	-	-	9/1/2016	2/1/2017	7/1/2017	2/1/2018	
50	12-ON950	ORA	005	29.1	42.54	-	METHACRYLATE TREATMENT AND JOINT SEAL REPLACEMENT IN OC AT VARIOUS LOCATIONS ON I5 FR RED HILL TO ORANGETHORPE ON RTE 22 AT RTE 22/5 SEPARATION	Newport Bay, Santa Ana River and Anaheim Bay/Huntington Harbor and San Gabriel River/Coyote Creek vari	-	-	Pollutants of concern for 303(d) waterbodies, Sediment TMDL	0	0	0	WPCP	-	-	9/24/2015	2/1/2016	5/24/2016	8/1/2017
51	12-ON960	ORA	005	22.8	27.6	-	METHACRYLATE TREATMENT AND JOINT SEAL REPLACEMENT IN OC AT VARIOUS LOCATIONS ON RTE 90 (PM 10.1) ON RTE 91 (PM R16.3/18.0) ON RTE 241 (PM 18.7/28.7) ON RTE 405 (PM 2.2/2.9)	Santa Ana River Reach 2, Borrego Creek, San Diego Creek Reach 2, Arroyo Trabuco Creek, Upper Oso Reservoir	-	-	Pollutants of concern for 303(d) waterbodies	0	0	0	WPCP	-	-	7/9/2015	12/15/2015	5/11/2016	8/1/2017
52	12-ON970	ORA	005	0.65	18.69	-	Methacrylate deck seal treatment, patching deck, and joint seal replacement. On 05 & 133 freeway at various locations.	-	-	-	-	-	-	-	-	-	9/1/2016	12/15/2016	5/15/2017	2/12/2018	
53	12-OP090	ORA	005	10.14	10.55	-	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.	-	-	-	-	-	-	-	-	-	10/5/2018	2/3/2020	11/2/2020	12/6/2022	

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
54	12-0P260	ORA	005	24.9	24.9	-	Expand Park and Ride facility to increase number of parking spaces. In Irvine at SB 5 on-ramp from Walnut Ave.	San Diego Creek (Reach 1)	-	-	Pollutants of concern for 303(d) waterbodies	3.67	3.21	87%	SWPPP	BSW, BST	2/9/2016	3/11/2016	8/1/2016	3/22/2018
55	12-0P390	ORA	005	35.023	35.023	-	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	-	-	-	0.005	0.002	-	WPCP	-	-	2/28/2018	10/16/2018	4/16/2020
56	12-0P420	ORA	005	33	43.2	-	Through Integrated Corridor Management, Project proposes to efficiently manage traffic flow. Along I-5 Corridor N. Main street and Beach Blvd.	-	-	-	-	-	-	-	-	-	7/3/2017	7/9/2019	12/18/2019	1/21/2021
57	12-0P700	ORA	005	3.29	3.29	-	Drainage restoration at the Segunda Deshecha Channel. NB side just of the Avenida Pico off-ramp in the City of San Clemente.	-	-	-	-	-	-	-	-	-	7/2/2018	9/3/2019	4/1/2020	4/1/2021
58	12-0P790	ORA	005	18.6	30.5	-	Replace MBGR, terminal system, ac dikes; construct retaining wall; relocate controller cabinets and CCTV; replace electroliers; close k-rail gap; replace attenuators	Cañada Channel, San Diego Creek Reach 2, Serrano Creek Channel, Aqua Canyon Channel, Bee Canyon Channel, Marshburn Channel, Central Irvine Channel, Peter's Canyon Channel	-	-	Pollutants of concern for 303(d) waterbodies	0.7505	0	0	WPCP	-	11/5/2018	4/19/2024	5/29/2024	8/3/2028
59	12-0P900	ORA	005	34.5	37.4	-	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.	-	-	-	-	-	-	-	-	-	8/1/2019	10/1/2020	8/1/2021	10/1/2022
60	12-0P910	ORA	005	37.4	40.9	-	Relocate facilities away from traffic. Construct roadside paving, access gates and trails. In city of Anaheim, from Harbor Boulevard to La Palma Avenue.	-	-	-	-	-	-	-	-	-	12/1/2019	2/1/2021	11/1/2021	10/1/2022

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
61	12-0P920	ORA	005	40.9	41.9	-	Relocate facilities away from traffic, construct roadside paving, access gates and trails. In city of Anaheim, from La Palma Avenue to Magnolia Avenue.	-	-	-	-	-	-	-	-	-	8/1/2020	10/1/2021	8/1/2022	9/1/2023
62	12-0P930	ORA	005	41.9	43.1	-	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.	-	-	-	-	-	-	-	-	-	1/1/2021	4/1/2022	4/1/2023	7/1/2024
63	12-06820	ORA	022	0.7	0.7	-	WIDEN OC BOLSA CHICA RD OC AT RTE 22 & 405	-	-	-	-	-	-	-	-	-	7/2/2019	7/2/2021	3/1/2022	8/15/2023
64	12-0716U	ORA	022	0.6	24	-	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 Reach 1, San Gabriel River Estuary, Bolsa Chica Channel	-	-	Pollutants of concern for 303(d) waterbodies	0.93	0	0	WPCP	-	8/9/2015	2/29/2016	10/1/2016	10/1/2020
65	12-08790	ORA	022	7.8	7.8	-	MODIFY INTERCHANGE IN GARDEN GROVE AT HARBOR BLVD UC BR #55-0376	-	-	-	-	-	-	-	-	-	7/2/2019	12/16/2020	7/2/2021	7/4/2022
66	12-0J870	ORA	022	9.7	10.5	-	REDIRECT NB I-5 TRAFFIC FROM CDR TO SR-22 MAINLINE, RESTRICT SR-22 MAIN LINE ACCESS & SB I-5 CONNECTOR EB SR-22 & COLLETOR DISTRIBUTO ROAD, FR THE CITY DRIVE TO SR-22/I- 57 INTERCHANGE	-	-	-	-	-	-	-	-	-	7/2/2019	11/30/2021	7/2/2022	10/6/2025
67	12-0M900	ORA	022	3.9	10.8	-	IMPROVE/CONFIGURE CHANNELIZATION REMOVE APPROX 2/3 OF CONC BARRIER INSTALL, ADJUST & ADD TRAFFIC CD. EB RTE 22 FROM HARBOR BLVD TO 5/57 INTERCHANGE.	-	-	-	-	-	-	-	-	-	4/15/2017	6/15/2018	11/30/2018	11/1/2020
68	12-0N920	ORA	022	9.1	9.1	-	Upgrade Drainage System at the Haster Off-Ramp. In the City of Garden Grove.	-	-	-	-	-	-	-	-	-	8/1/2018	8/15/2019	2/15/2020	8/31/2021
69	12-0P520	ORA	022	12.03	12.636	-	Enhance safety by installing lighting and modify traffic control device. W/B at Glassell St. in OC	-	-	-	-	-	-	-	-	-	2/1/2018	8/1/2019	2/15/2020	4/18/2022

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&E Date	PS&E Date	Start Date	End Date
70	12-OF970	ORA	039	15.1	15.9	-	REMOVE/REPLACE THE EXISTING CURB & GUTTERS, SIDEWALK & CURB RAMPS AT VARIOUS LOCATIONS ON SR-39 IN THE CITY OF BUENA PARK ON SR-39 FR MANCHESTER AVE TO CRAIG AVE	-	-	-	-	-	-	-	-	-	8/11/2005	12/23/2019	6/1/2020	4/19/2023
71	12-OH270	ORA	039	9.87	10.5	-	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	-	-	-	-	-	-	-	-	-	6/25/2015	9/28/2016	4/12/2017	7/15/2018
72	12-OJ400	ORA	039	12.4	17.4	-	PAVEMENT REHABILITATION FROM ACACIA BLVD TO IMPERIAL HIGHWAY IN CITIES OF STANTON, ANAHEIM, BUENA PARK, LA MIRADA AND LA HABRA	-	-	-	-	-	-	-	-	-	2/17/2014	4/15/2017	4/5/2018	8/15/2019
73	12-OM520	ORA	039	20.171	20.171	-	MODIFY SIGNALS, ADD SAFETY LIGHTING REFRESH PAVEMENT & ADA UPGRADES. ON SR-39 @ INTERSECTIONS OF ATLANTA AVE (PM 0.361), LINCOLN AVE (PM 12.685), LA HABRA BLVD (PM 20.17) & ON SR-91 AT PM 1.015, PM R1.673, PM 5.398.	Huntington Beach Channel, East Garden Grove-Wintersburg Channel, Carbon Creek Channel and Coyote Creek	-	-	Pollutants of concern for 303(d) waterbodies	0	0	-	WPCP	-	5/20/2015	8/30/2017	2/19/2018	5/30/2019
74	12-OM520	ORA	039	20.171	20.171	-	MODIFY SIGNALS, ADD SAFETY LIGHTING REFRESH PAVEMENT & ADA UPGRADES.ON SR-39 @ INTERSECTIONS OF ATLANTA AVE (PM 0.361), LINCOLN AVE (PM 12.685), LA HABRA BLVD (PM 20.17) & ON SR-91 AT PM 1.015, PM R1.673, PM 5.398.	-	-	-	-	-	-	-	-	-	11/5/2014	1/24/2017	7/5/2017	10/17/2018

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
75	12-0N590	ORA	039	11.681	12.2	-	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) 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 Channel	-	-	-	0.32	0	-	WPCP	-	6/15/2015	5/6/2016	11/1/2016	12/1/2017
76	12-0N710	ORA	039	5.721	5.721	-	1-Modify Signals 2-Refresh Striping and Pavement Markings 3-Install Lighting 4-Update ADA to current Standards. Route 39 (Beach Blvd.) at the Intersection of Center Avenue.	Fullerton Creek Channel, Anaheim Bay/Huntington Harbor	-	-	-	0.04	0	-	WPCP	-	1/29/2016	3/15/2017	2/15/2018	4/15/2019
77	12-0N990	ORA	039	1.881	1.881	-	Modify Signals, Safety Lighting, bring ADA to standard, and refresh Striping if needed. Route 39 at Utica Street in the City of Huntington Beach.	-	-	-	-	-	-	-	-	-	6/1/2016	4/15/2018	10/26/2018	12/30/2019
78	12-0P010	ORA	039	5.301	5.301	-	Modify Signals, add safety lighting, ADA, and refresh striping if needed. In Orange County Route 39 at Trask Avenue, in the City of Westminster.	-	-	-	-	-	-	-	-	-	8/1/2017	7/1/2019	11/27/2019	4/9/2021
79	12-0P060	ORA	039	5.141	5.141	-	Modifying Signal, Safety Lighting, ADA, Striping if needed. In Orange County, City of Huntington Beach, Hail Avenue.	-	-	-	-	-	-	-	-	-	2/8/2017	1/10/2018	6/18/2018	5/7/2019
80	12-0P460	ORA	039	3.64	7.14	-	CLEAN, LINE, REMOVE AND PLACE CULVERTS IN HUNTINGTON BEACH AND WESTMINSTER FROM TALBERT AVE TO 11TH ST	East Garden Grove Wintersburg Channel	-	-	-	0.1	0	-	WPCP	-	12/7/2015	2/1/2016	5/24/2016	8/1/2017
81	12-0Q030	ORA	039	0	12.9	-	Construct PCC concrete bus pads on Beach Blvd. at 22 locations. In Huntington Beach, Westminster, Stanton and Anaheim, from PCH to Stanton Ave.	-	-	-	-	-	-	-	-	-	7/14/2016	12/27/2016	5/23/2017	2/20/2018
82	12-00550	ORA	055	7.5	7.6	-	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	4/13/2006	9/12/2018	11/7/2018	10/8/2020

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
83	12-07810	ORA	055	15.5	16.8	-	Construct new IC In Orange, at SR-55 & Meats Ave.	-	-	-	-	-	-	-	-	-	3/1/2017	12/27/2019	3/5/2020	1/31/2022
84	12-0G950	ORA	055	8	9.2	-	Construct Auxiliary lane. In SR-55 NB direction from Dyer Road on ramp to Edinger Avenue off ramp.	-	-	-	-	-	-	-	-	-	1/2/2018	6/12/2019	12/23/2019	12/18/2020
85	12-0H20U	ORA	055	2	5.9	-	REMOVE DISEASED TREES AND UPGRADE HIGHWAY PLANTING IN ORANGE COUNTY ON RTE 55 FROM 17 TH STREET TO RTE 405 AND ON RTE 73 (PM 10.0/15.20,23.4/27.8) FROM RTE5 TO GLENWOOD DRIVE AND FROM BISON AVENUE TO RTE 405	Paularino Channel, Santa Ana Delhi Channel	-	-	5.1	3.4	-	SWPPP	Bioswales, Biostrips	4/11/2013	3/27/2014	9/30/2014	1/1/2019	
86	12-0J340	ORA	055	6.2	10.3	-	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 DeMinimus and 401 Certification	Pollutants of concern for the 303(d) waterbodies	77.16 (MAX.)	15.28 (MAX.)	11%	SWPPP	Biostrips, Bioswale, and possible Infiltration Basin	12/16/2016	11/25/2019	5/29/2020	11/30/2023
87	12-0K720	ORA	055	10.5	17.8	-	Increase Capacity & Improve Ops. In Tustin, Santa Ana, Orange & Anaheim, from I-5 to SR-91	-	-	-	-	-	-	-	-	-	3/1/2020	7/1/2022	1/18/2023	1/22/2024
88	12-0L520	ORA	055	0	2.4	-	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 Minimus	Pollutants of concern for the 303(d) waterbody	25 (max.)	2.52 (max.)	8%	SWPPP	Bioswales	8/12/2020	7/19/2023	2/20/2024	4/12/2028
89	12-0M500	ORA	055	1.2	17.9	-	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	6/28/2013	6/15/2016	1/26/2017	8/7/2018
90	12-0N450	ORA	055	10.503	10.535	-	Construct type II (retrofit) noise barrier to reduce freeway traffic noise impact. I-5/SR-55 NB Connector to South of Main Street.	-	-	-	-	-	-	-	-	-	9/27/2018	-	-	4/30/2019

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No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
91	12-ON500	ORA	055	11.7	13.2	-	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. On Route 55: In Orange from 17th St. to La Veta, and On Route 22: In Tustin From Route 55 to Tustin Ave.	-	-	-	-	-	-	-	-	-	10/1/2017	10/1/2018	5/1/2019	8/1/2020
92	12-ON530	ORA	055	13.2	17.8	-	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. On Route 55: In Orange from La Veta to Route 91.	-	-	-	-	-	-	-	-	-	4/1/2019	4/1/2020	12/1/2020	12/1/2021
93	12-ON630	ORA	055	10.7	10.7	-	Modify Signal & left turn Channelization. In Tustin, NB Off-ramp to 4th St.	-	-	-	-	-	-	-	-	-	6/13/2017	5/24/2018	10/29/2018	10/29/2019
94	12-OC110	ORA	057	19.9	21.5	-	Rte 57 Reconfigure Ramp IN BREA 0.5 MILE NORTH OF IMPERIAL HWY TO 0.5 N OF LAMBERT	-	-	-	-	-	-	-	-	-	11/25/2015	12/11/2017	6/20/2018	1/23/2020
95	12-OC120	ORA	057	21.2	22.6	-	RECONSTRUCT CLIMBING AUXILIARY LN & REALIGN NB OFF-RAMP @ TONNER CANYON RD & NB ON-RAMP AT LAMBERT RD IN BREA FROM LAMBERT ROAD TO ORANGE CO/LOS ANGELES CO LINE	-	-	-	-	-	-	-	-	-	2/4/2020	9/26/2023	6/18/2024	6/24/2026
96	12-OC740	ORA	057	20.9	22.5	-	WIDENING LAMBERT NB ON RAMP IN BREA FR LAMBERT TO END NORTH BND	-	-	-	-	-	-	-	-	-	5/1/2020	5/5/2021	2/3/2023	2/3/2025
97	12-OF03U	ORA	057	16.2	21.1	-	HIGHWAY REPLACEMENT PLANTING OC. IN PLACENTIA, FULLERTON & BREA FROM 0.2 MILES S OF ORANGETHORPE	-	-	-	-	-	-	-	-	-	12/1/2013	11/1/2016	5/1/2017	7/1/2021
98	12-OF04A	ORA	057	12.25	15.17	-	HIGHWAY REPLACEMENT PLANTING OC. NB FROM 0.3 MILE SOUTH OF KATELLA AVE. TO 0.3 MILE NORTH.	-	-	-	-	-	-	-	-	-	10/1/2016	3/1/2017	8/1/2017	8/1/2021

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
99	12-OJ420	ORA	057	11.3	22.6	-	REMOVE EXST HOV BUFFER. RESTRIPE FREEWAY TO PROVIDE A CONTINUOUS HOV ACCESS, STANDARD GP LN & SHOULDERS IN ORANGE COUNTY. FROM SR-22/I-15/ SR-57 INTERCHANGE TO LA/OC COUNTY LINE	-	-	-	-	-	-	-	-	-	12/11/2020	11/30/2021	5/10/2022	10/11/2022
100	12-OL090	ORA	057	11	22.5	-	PCC PROFILE GRINDING AND SLAB REPLACEMENT. OC. IN ORANGE, Fullerton, ANAHEIM, PLACENTIA, & BREA from South of Chapman AVE. TO LA COUNTY LINE.	Santa Ana River Reach 2, Bitterbush Channel, Chantilly Storm Channel	-	-	Pollutants of concern for 303(d) waterbodies	0	0	-	WPCP	-	9/15/2014	3/26/2015	12/1/2015	9/1/2017
101	12-OL390	ORA	057	12	12.4	-	COORDINATION HIGH SPEED RAIL OVERSIGHT COORDINATION HIGH SPEED RAIL	-	-	-	-	-	-	-	-	-	5/31/2018	12/1/2020	10/15/2021	10/11/2024
102	12-OM480	ORA	057	16.39	20.88	-	ADA Improvement On SR-57 from Orangethorpe Avenue to Lambert Road	-	-	-	-	-	-	-	-	-	7/11/2017	5/3/2019	11/12/2019	2/11/2021
103	12-OM970	ORA	057	11.5	12.5	-	GEOMETRIC IMPROVEMENTS TO INCREASE CAPACITY & REDUCE CONGESTION. OC. SR-57 BETWEEN ORANGEWOOD AVE. TO KATELLA AVE, IN THE CITY OF ANAHEIM.	Santa Ana River, Reach 2	ACOE 404	401, 1602	Pollutants of concern for 303(d) waterbodies	4.4	1.7	17%	SWPPP	tbd	12/7/2021	3/26/2021	11/15/2021	1/17/2024
104	12-ON340	ORA	057	10.8	21.8	-	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. On Route 57 from the 57-5 HOV Connector Overcrossing to Tonner Canyon Road Undercrossing. On route 22 at Yockey Street Undercrossing to Trask Avenue Undercrossing. On Route 55 from Newport Beach Channel to Lincoln Avenue Undercrossing.	-	-	-	-	-	-	-	-	-	7/28/2014	3/26/2015	10/30/2015	9/5/2017

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
105	12-ON900	ORA	057	10.7	16.6	-	Integrated Corridor Management (ICM). TOS life cycle replacement (Platinum Triangle project) On Route 57 between SR-22 & Oglethorpe Ave.	-	-	-	-	-	-	-	-	-	7/5/2017	7/1/2019	2/28/2020	4/1/2021
106	12-OP450	ORA	057	11	22.5	-	PCC groove and slab replacement. OC. in Orange, Fullerton, Anaheim, Placentia & Brea from south of Chapman Avenue to LA County line.	Santa Ana River Reach 2, Placentia Storm Channel, Carbon Creek, Loftus Diversion Channel	-	-	Pollutants of concern for 303(d) waterbodies	0	0	-	WPCP	-	7/24/2015	2/1/2016	6/30/2016	8/1/2017
107	12-OP560	ORA	057	11.06	11.47	-	Install Safety lighting and modify striping. From SB off WB22/La Veta/Bristol to SB off to Chapman Ave. in the City of Orange.	-	-	-	-	-	-	-	-	-	9/13/2019	10/3/2016	1/28/2021	4/14/2025
108	12-OQ110	ORA	057	15.6	22.5	-	Grind and groove SB lane. In OC, In Anaheim, Fullerton, Brea on SB 57/91 IC to County Line.	-	-	-	-	-	-	-	-	-	9/1/2016	2/1/2017	6/30/2017	2/1/2018
109	12-ON680	ORA	072	11.917	11.917	-	Modify Signals. Add safety Lighting. Update ADA to current standards. Refresh Pavement Delineation. In Route 72 at Valley Home Avenue, in the City of La Habra	Coyote Creek	-	-	-	0.07	0	-	WPCP	-	5/13/2015	5/6/2016	11/1/2016	10/31/2017
110	12-OH260	ORA	073	10.3	11.2	-	REPAIR FWY EMBANKMENT FILL DISTRESS REPAIR AC PAVEMENT, CONTROL PONDING WATER & SAT OF EMB. FILL IN CITY OF LAGUNA NIGUEL BETWEEN PASEO DE COLINAS TO S OF CABOT RD	-	-	-	-	-	-	-	-	-	4/19/2018	11/12/2019	3/13/2020	6/1/2021
111	12-OH440	ORA	073	10	24.5	-	STORM WATER MITIGATION & SLOPE STABILITY IN VARIOUS LOCATIONS SR73 STORM WATER MITIGATION AND SLOPE ST	-	-	-	-	-	-	-	-	-	2/1/2009	4/22/2013	11/15/2013	8/1/2018

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&E Date	PS&E Date	Start Date	End Date
112	12-0M340	ORA	073	16.457	16.609	-	WIDEN RDWY TO IMPROVE CHANNELIZATION AT GORE AREA & WIDEN RAMP, MODIFY SIGNAL OPERATIONS. IN OC. COLLECTOR ROAD BETWEEN EL TORO ROAD/SR-73 NB ON-RAMP AND SR-133	Laguna Coastal Streams Watershed through its tributary Laguna Canyon Channel	No	No	-	0.9	0.4	3%	WPCP	NA	6/28/2013	6/1/2015	4/17/2016	1/24/2018
113	12-0M960	ORA	073	22.5	25.7	-	RESURFACING AC PAVEMENT ON FWY, & RAMPS, UPGRADE MBGR, CURB RAMPS AND CRASH CUSHION. FROM FORD RD/BONITA UC TO NB ON-RAMP FR, N BRISTOL ST GORE POINT. EXCLUDING 0M110_PROJECT LIMIT: 23.9/25.0.	Newport Bay Watershed through its tributary Santa Ana-Delhi Channel, San Diego Creek Reach 1 and Upper Newport Bay	No	No	-	0.16	0.03	0	WPCP	NA	6/30/2013	2/14/2017	8/30/2017	4/2/2018
114	12-0N720	ORA	073	10	28.016	-	Upgrade safety devices to enhance safety, reduce possible collision severity and limit maintenance personnel exposure to traffic. On Route 73 form from Route 5 to Route 405.	San Diego Creek (R1), Upper Newport Bay, Laguna Canyon Channel, Santa Ana Delhi Channel, Aliso Creek.	-	-	Pollutants of concern for 303(d) waterbodies	3.08	2.61	-	SWPPP	-	7/6/2017	8/15/2019	3/10/2020	6/4/2021
115	12-0N840	ORA	073	16.859	17.059	-	(1) Cold plane & resurface roadway with Open Graded Asphalt Concrete (OGAC) and (2) Restripe all traffic lanes and right/left edge lines. Southbound Route 73 n/o Route 133, in the City of Laguna Beach.	-	-	-	-	-	-	-	-	-	3/1/2017	5/1/2018	1/3/2019	8/1/2019
116	12-0N860	ORA	073	23.958	24.158	-	Modify the existing lane configuration on the Off-Ramp from 1 lane to 1.5 lanes at the exit gore to allow 2 through lanes from the Off-Ramp onto SB MacArthur Blvd. Southbound Route 73 at MacArthur Blvd. Off-Ramp, in the City of Newport Beach.	San Diego Creek Reach 1 and Upper Newport Bay	-	-	Pollutants of concern for 303(d) waterbodies	1.41	0.74	-	WPCP	-	1/29/2018	4/27/2020	1/29/2021	9/28/2022

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
117	12-0Q020	ORA	073	24.5	24.6	-	Cold plane and pave with asphalt concrete to correct roadway superelevation condition with gradual transition to existing pavement. In Irvine, Northbound MacArthur Blvd to Northbound Route 73 on-ramp.	-	-	-	-	-	-	-	-	-	6/23/2016	12/21/2016	5/4/2017	1/31/2018
118	12-0Q020	ORA	073	24.5	24.6	-	Cold plane and pave with asphalt concrete to correct roadway superelevation condition with gradual transition to existing pavement. In Irvine, Northbound MacArthur Blvd to Northbound Route 73 on-ramp.	-	-	-	-	-	-	-	-	-	6/23/2016	12/21/2016	5/4/2017	1/31/2018
119	12-0Q020	ORA	073	24.5	24.6	-	Cold plane and pave with asphalt concrete to correct roadway superelevation condition with gradual transition to existing pavement. In Irvine, Northbound MacArthur Blvd to Northbound Route 73 on-ramp.	-	-	-	-	-	-	-	-	-	6/23/2016	12/21/2016	5/4/2017	1/31/2018
120	12-08692	ORA	074	1	1.9	-	WIDEN FROM 2 LANES TO 4 LANES IN THE CITY OF SAN JUAN CAPISTRANO FROM CALLE ENTRADERO TO THE CITY LIMITS/COUNTY LINE	-	-	-	-	-	-	-	-	-	11/30/2009	3/3/2022	8/29/2022	9/3/2024
121	12-0E31A	ORA	074	0	1.6	-	HIGHWAY REPLACEMENT PLANTING IN SAN JUAN CAPISTRANO FROM I-5/ EAST CITY LIMIT	Horno Creek and San Juan Creek	-	-	0.79	0	-	SWPPP	-	-	6/1/2009	2/2/2015	10/14/2015	10/1/2019
122	12-0L720	ORA	074	2.93	5.06	-	CONSTRUCT 4-FOOT RIGHT SHOULDER, PAVE TURNOUTS, REPLACE/ADD MBGR SR-74 BETWEEN EAST OF ANTONIO 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	4/14/2016	1/3/2017	7/2/2019
123	12-0L722	ORA	074	2.9	5.1	-	-	-	-	-	-	-	-	-	-	-	4/1/2018	10/1/2018	8/1/2019	8/1/2023

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
124	12-0M090	ORA	074	0.04	1.8	-	UPGRADE PEDESTRIAN FACILITIES WITHIN THE CT ROW TO CURRENT ADA STANDARDS. RTE 74 FROM THE I-5/RTE 74 I.C. TO THE CITY OF SAN JUAN CAPISTRANO CITY LINE PM 1.8.	San Juan Creek	-	-	-	0.46	0	-	WPCP	-	8/1/2017	4/2/2019	12/3/2019	12/1/2020
125	12-0P030	ORA	074	11.5	16.599	-	Super Elevation Corrections, Safety Lighting, Shoulder widening and OGAC Overlay. In Orange County, City of San Juan Capistrano, San Juan fire station.	Upper San Juan Creek	-	-	-	6.55	1.01	-	SWPPP	biofiltration swales, biofiltration strips	7/3/2018	11/4/2019	8/7/2020	8/11/2021
126	12-0P070	ORA	074	11.5	12.3	-	Open grade Asphalt Concrete Overlay and Shoulder Widening. In OC, City of San Juan Capistrano, West of San Juan Fire Station.	-	-	-	-	-	-	-	-	-	3/1/2016	5/5/2017	1/31/2018	2/1/2019
127	12-0H310	ORA	090	0	0	-	INSTALL CHANGEABLE MESSAGE SYSTEM ON SR-90 AND SR-142 AT VARIOUS LOCATIONS	-	-	-	-	-	-	-	-	-	1/3/2020	10/28/2026	3/29/2029	3/29/2030
128	12-0M910	ORA	090	0.61	7.95	-	CONSTRUCTION OR MODIFY CURBS, SIDEWALKS, OR WHEELCHAIR RAMPS. OC-FROM BEACH BLVD TO ROSE DV. IN THE CITIES OF LA HABRA, FULLERTON, AND BREA.	Coyote Creek, Brea Creek, Fullerton Creek Channel and Carbon Creek	-	-	Potentially Increased Flow and sediment	0.11	0.07	-	WPCP	-	11/3/2015	6/1/2017	1/3/2018	5/31/2019
129	12-0P320	ORA	090	5.93	5.93	-	Modify Signals, add Safety lighting, ADA and refresh pavement delineation. In Route 90 at Castlegate L/Placentia, in the City of Brea.	-	-	-	-	-	-	-	-	-	6/28/2017	6/25/2018	11/8/2018	12/18/2019
130	12-0P580	ORA	090	2.6	5.1	-	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.	-	-	-	-	-	-	-	-	-	9/10/2018	2/20/2024	4/2/2024	6/12/2028

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
131	12-OC571	ORA	091	0.9	5.4	-	REPLACEMENT LANDSCAPE PROJECT. IN FULLERTON AND ANAHEIM WB DIRECTION FROM SR-57 TO I-5 PM 0.9/5.4	-	-	-	-	-	-	-	-	-	3/16/2016	10/1/2016	5/1/2017	3/1/2021
132	12-OG331	ORA	091	9.1	15.6	-	HIGHWAY REPLACEMENT PLANTING IN OC. CITIES OF ANAHEIM & YORBA LINDA FROM 55/91 SEPARATION TO ROUTE 241/91 SEPARATION	Santa Ana River-Reach 2	none	none	minimal	95	0	n/a (in landscape areas)	SWPPP	Biostrips, Bioswales with parent project	4/30/2012	4/15/2013	11/1/2013	2/1/2018
133	12-OK970	ORA	091	15.8	18.1	-	PROVIDE DIRECT CONNECTOR BETWEEN SR-241 & SR-91 In Orange County, at SR-241/SR-91 Interchange	Santa Ana River (Reach 2)	-	-	-	25	23.5	-	SWPPP	TBD	1/2/2017	5/1/2018	10/1/2018	11/1/2020
134	12-OK980	ORA	091	6	9.3	-	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	5/1/2018	8/1/2020	2/1/2021	8/1/2023
135	12-OL400	ORA	091	15.9	18.9	-	CORRIDOR IMPROVEMENT WIDENING SR-91 FROM SR-241 TO PIERCE STREET CITY OF ANAHEIM & CORONA	-	-	-	-	-	-	-	-	-	6/30/2012	-	-	7/1/2018
136	12-OM610	ORA	091	8.9	9.4	-	INSTALL ADDITIONAL LIGHTING AT INTERCHANGE AND UPGRADE GUARDRAIL. RTE 91 AT RTE 55 INTERCHANGE AND RTE 57 INTERCHANGE.	Santa Ana River, Reach 2	-	-	-	0.27	0	-	WPCP	-	2/2/2015	9/1/2016	2/2/2017	1/2/2018
137	12-ON040	ORA	091	7.5	18.9	-	REHABILITATE 40-LN MILE AC PAVEMENT AND REPLACE 6 CMS. In Ora. & Riv Counties on Rte 55 fr 0.7 M S of Lincoln Ave UC in Orange & on Rte 91 fr 0.3 Mile East of Kraemer Blvd OC in Anaheim to 0.6 M E of Green River Rd OC in Corona.	Santa Ana River Reach 2	-	-	-	0.17	0	-	WPCP	-	-	2/24/2016	8/1/2016	7/3/2017

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
138	12-ON090	ORA	091	5.2	6.4	-	Relocate facilities, construct roadside paving, access roads and improve worker safety. IN ANAHEIM ON RT 91 FROM STATE COLLEGE TO LA PALMA AND ON RTE 57 FROM LA PALMA TO ORANGETHORPE.	-	-	-	-	-	-	-	-	-	10/1/2016	10/2/2017	4/1/2018	4/1/2019
139	12-ON270	ORA	091	13.8	13.8	-	TO RENEW AND UPGRADE FACILITY. RTE 91 PERALTA WB WEIGH STATION.	Santa Ana River Reach 2	-	-	-	0.25	0	-	WPCP	-	5/27/2016	10/1/2017	7/1/2018	4/1/2019
140	12-ON320	ORA	091	9.8	18.9	-	CAPM project to address pavement needs on mainline and ramps. Rte-91 at Lakeview Avenue OC to Orange/Riverside county line.	-	-	-	-	-	-	-	-	-	6/3/2015	4/1/2019	9/1/2019	12/1/2020
141	12-ON360	ORA	091	1.015	5.398	-	Overlay with OGAC. Enhance MBGR, lighting, drainage and signing if needed. Rte-91 at Valley View Street EB on-ramp.	-	-	-	0.093	0.02	-	WPCP	-	-	10/2/2013	3/1/2016	9/1/2016	8/1/2017
142	12-ON490	ORA	091	13.6	13.6	-	Rehabilitate Commercial Vehicle Enforcement Facility (CVEF). Rte-91 near Anaheim, at EB Peralta Weigh Station.	-	-	-	-	-	-	-	-	-	10/2/2017	3/12/2019	9/13/2019	8/14/2020
143	12-OP410	ORA	091	0	0	-	Through Integrated Corridor Management. Along Route 91 between Beach Blvd. and Kraemer/Glassell.	-	-	-	-	-	-	-	-	-	7/5/2017	7/8/2019	2/26/2020	3/29/2021
144	12-OP480	ORA	091	9.2	17.2	-	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	-	-	-	0	0	-	WPCP	-	-	12/15/2015	2/1/2016	5/11/2016	8/1/2017
145	12-OP650	ORA	091	0.314	0.314	-	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.	-	-	-	-	-	-	-	-	-	9/19/2018	2/28/2024	4/10/2024	6/21/2028

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
146	12-0P760	ORA	091	2.61	10.09	-	This project consists of patching deck spalls, placing methacrylate to seal cracks on deck to extend the service life, placing polyester concrete, replacing joint seals, and repairing approach slabs In Orange County, Rte.55at PM 5.8 to16.10; Rte. 57 at PM 2.61 to 10.09; Rte. 241 at PM 38.84; Rte. 405 at PM 8.48	-	-	-	-	-	-	-	-	-	9/1/2016	2/1/2017	7/3/2017	2/1/2018
147	12-0Q120	ORA	091	7	10.2	-	REMOVE AND REPLACE RUBBERIZED HOT MIX ASPHALT IN OC, IN ANAHEIM AT VAR LOCATIONS FR KRAEMER BL OCTO LAKEVIEW AVE OC	-	-	-	-	-	-	-	-	-	9/1/2016	12/15/2016	5/15/2017	2/1/2018
148	12-0G009	ORA	133	10	11	-	TRABUCO ROAD INTERCHANGE ADD NEW IC ON EASTERN TRANS. COORD EAST LEG IN IRVINE AND IN ORANGE COUNTY	-	-	-	-	-	-	-	-	-	5/6/2020	6/6/2022	12/8/2022	12/9/2024
149	12-0M570	ORA	133	3.4	3.85	-	DITCH CLEARING AND RECONSTRUCTION. LN OC. CITY OF LAGUNA BEACH, SB SR-133 FROM EL TORO RD TO SR-73	-	-	-	-	-	-	-	-	-	12/8/2017	11/15/2018	4/24/2019	9/20/2019
150	12-0N060	ORA	133	3.1	3.6	-	WIDEN ROADWAY TO IMPROVE CHANNELIZATION. OC. EL TORO ROAD, CITY OF LAGUNA BEACH.	-	-	-	-	-	-	-	-	-	8/1/2017	6/8/2018	12/3/2018	10/1/2020
151	12-0N100	ORA	133	7.8	13.7	-	Relocate facilities, construct roadside paving, access roads and improve worker safety IN IRVINE ON RTE 133 FROM RTE 405 TO RTE 241.	-	-	-	-	-	-	-	-	-	4/1/2017	4/1/2018	11/1/2018	10/1/2019
152	12-0N110	ORA	133	9.5	9.5	-	DEEP INJECTION GROUTING. IN ORANGE COUNTY IN IRVINE AT ROUTE 133 / 5 SEPARATION.	Marshburn Channel	-	-	-	6.75	0	-	SWPPP	-	2/7/2014	4/30/2015	1/26/2016	4/13/2018

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
153	12-ON660	ORA	133	3.416	13.644	-	Replace damaged and outdated MBGR, non-standard AC dikes. Install permanent crash cushions. install new electroiler, fill/regrade slopes, relocate controller cabinets, headwalls, replace temp railing. SR-133, from El Toro Road to Route 241 ( Toll Road )	Carbon Canyon Creek	-	-	-	0.06	0	-	WPCP	-	12/15/2017	5/7/2019	9/9/2019	11/17/2020
154	12-ON870	ORA	133	0.8	1.2	-	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	-	1/4/2016	5/15/2018	10/22/2018	10/22/2019
155	12-ON890	ORA	133	8.5	9.3	-	Extend the No. 4 lane on SBSR-133 from SB I-5 Connector & add a second lane to NB 405 Connector. In the City of Irvine, SB RTE 133 between I-405 and I-5.	-	-	-	-	-	-	-	-	-	6/15/2017	2/5/2019	8/7/2019	8/31/2021
156	12-OP940	ORA	133	3.3	4.1	-	In Laguna Beach from El Toro Road to State Route 073	-	-	-	-	-	-	-	-	-	3/8/2019	8/15/2024	9/24/2024	11/30/2028
157	12-OH246	ORA	142	4.7	4.8	-	CONSTRUCT DEBRIS CATCHMENT WALL TO PREVENT LANDSLIDE DEBRIS FROM ENTERING THE ROADWAY IN CITY OF BREA ON SR-142 BETWEEN PM 4.71/4.78	No	-	No	No	0.15	0	0	SWPPP	TBD	5/8/2017	12/14/2028	7/15/2032	7/7/2033
158	12-ON600	ORA	142	0.8	2.9	-	Resurface conventional highway lanes. EB/WB SR 142 from Imperial HWY to Carbon Canyon, regional Park entrance/Santa Fe Road.	-	-	-	-	-	-	-	-	-	6/29/2014	6/1/2017	2/15/2018	12/2/2019
159	12-ON730	ORA	142	3.5	4.7	-	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. On Route 142 from PM 3.5 to PM 4.7	Carbon Canyon Creek	-	-	-	1.46	0	-	SWPPP	-	8/1/2018	6/2/2020	11/9/2020	12/7/2022
160	12-OC821	ORA	241	32.9	32.9	-	CONSTRUCT D STREET OVERCROSSING IN ORANGE COUNTY. AT THE 241/261 IC	-	-	-	-	-	-	-	-	-	-	11/1/2018	3/11/2019	9/11/2020

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		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
161	12-OG010	ORA	241	37.2	37.5	-	WEIR CANYON ROAD IC ADD TWO RAMPS ON THE SOUTH IN ANAHEIM AT WEIR CANYON ROAD	-	-	-	-	-	-	-	-	-	11/15/2005	12/26/2018	12/26/2018	12/23/2020
162	12-OG012	ORA	241	18.5	22.5	-	FTC SB WIDENING. ADD ONE LN SB FR S OF SANTA MARGARITA PKWY TO N OF BAKE PKWY & REESTABLISH NB AUX LN IN MISSION VIEJO, LAKE FOREST AND RANCHO SANTA MARGARITA	-	-	-	-	-	-	-	-	-	1/11/2006	5/8/2020	12/11/2020	3/13/2023
163	12-OG850	ORA	241	38.4	38.4	-	PREPARE PSR/PR, PS&E & CONSTRUCTION OF MOUNTAIN PARK OVERCROSSING ON SR-241 IN ORANGE COUNTY 1/2 MILE SOUTH OF 241/91 INTERCHANGE	-	-	-	-	-	-	-	-	-	1/24/2006	5/22/2018	10/12/2018	10/15/2019
164	12-OH047	ORA	241	25	39	-	NB/SB RESURFACING OF ALL LANES AND ALL ON-RAMPS, OFF-RAMPS WITHIN THE PROJECT LIMITS IN ANAHEIM FROM PORTOLA PARKWAY TO SR-91	Santiago Creek (R1)	No	No	0.1	0	0	WPCP	N/A	-	8/31/2005	6/8/2020	1/2/2021	1/1/2022
165	12-OJ660	ORA	241	14.5	32.5	-	REVEGETATION OF EXPOSED SLOPES FOR NPDES CONCERNS AND SOURCE CONTROL. IN ORANGE COUNTY IN IRVINE, LAKE FOREST, MISSION VIEJO, AND RANCHO SANTA MARGARITA FROM OSO PARKWAY TO SANTIAGO CANYON ROAD OVERCROSSING.	-	-	-	-	-	-	-	-	-	12/1/2014	3/3/2016	11/1/2016	1/1/2018
166	12-OJ680	ORA	241	27.6	32.3	-	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.	-	-	-	-	-	-	-	-	-	1/17/2012	12/1/2018	6/1/2019	1/31/2020

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
167	12-ON300	ORA	241	18.3	18.32	-	IMPROVE OFF RAMP CORNER SIGHT DISTANCE NB RTE 241 off-ramp to Santa Margarita Pkwy in the City of Rancho Santa Margarita.	-	-	-	-	-	-	-	-	-	3/1/2017	6/1/2018	11/16/2018	10/1/2019
168	12-11102	ORA	241	0	13.8	-	FOOTHILL TRANSP CORRIDOR (SOUTH) FROM RTE 5 TO OSO PKWY	-	-	-	-	-	-	-	-	-	12/30/2018	2/3/2020	7/1/2020	4/1/2020
169	12-OC820	ORA	261	0	0	-	E ORANGE IC IMPROVEMENTS NEW SR-241 SB ON-RAMP, WIDENING & GRADING CHAPMAN AVE. IN ORANGE @ SR 241/261 AND SANTIAGO CYN ROAD	-	-	-	-	-	-	-	-	-	1/25/2006	8/5/2020	10/1/2020	10/5/2022
170	12-OJ650	ORA	261	0	6.2	-	REVEGETATION OF EXPOSED SLOPES FOR NPDES CONCERNS AND SOURCE CONTROL IN ORANGE COUNTY - FROM WALNUT AVE TO ROUTE 241	San Diego Creek-Reach 2	none	none	Pollutants of concern for the 303(d) waterbody	tbd	tbd	tbd	SWPPP	none	12/1/2014	1/28/2016	10/1/2016	9/1/2018
171	12-00542	ORA	405	6.8	7.6	-	CONST HOV DROP RAMPS AT VON KARMAN AVE OC	San Diego Creek	-	-	-	-	-	-	-	-	7/2/2019	6/30/2020	11/15/2020	11/14/2023
172	12-00543	ORA	405	9.6	10.3	-	CONST HOV DROP RAMP AT BEAR STREET OC BR #55-0433	Santa Ana River	None	None	-	> 1.0 acre	-	-	-	-	7/2/2019	4/15/2020	11/15/2020	11/14/2023
173	12-09820	ORA	405	22.3	22.7	-	WIDENING RAMPS, RAMP INTERSECTIONS, AND BRIDGE APPROACHES IN SEAL BEACH, SEAL BEACH BLVD OC	Federal Storm Channel	-	-	-	1.3	0.34	40	SWPPP	BST	4/18/2003	11/17/2005	7/2/2018	12/5/2019
174	12-OC78U	ORA	405	12.63	15.13	-	Add Auxiliary lanes. On NB and SB 405, from Euclid to Warner	-	-	-	-	-	-	-	-	-	4/20/2015	3/28/2016	-	7/30/2021
175	12-0E790	ORA	405	13.4	13.4	-	WIDEN OC IN FOUNTAIN VALLEY AT TALBERT AVE OC/I-405	-	-	-	-	-	-	-	-	-	7/2/2019	7/27/2021	3/30/2022	9/29/2023
176	12-0F240	ORA	405	0.9	1.5	-	REMOVE EXISTING OUTSIDE SHOULDER, CONSTRUCT AUXILIARY LANE & STANDARD SHOULDER IN IRVINE ON RTE 405 FROM SR-133 TO IRVINE CENTER DR	-	-	-	-	-	-	-	-	-	6/29/2018	8/12/2019	4/8/2020	1/13/2022

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
177	12-OF550	ORA	405	6.4	7.4	-	HWY Planting & Irrigation, gore paving, MVPs and access trails. In Irvine. From San Diego Creek to Von Karman Ave. Overcrossing.	San Diego Creek	-	-	10	0	-	SWPPP	exempt	11/3/2011	3/16/2012	7/15/2013	10/1/2017	
178	12-OH036	ORA	405	2.2	2.2	-	WIDEN LAGUNA CANYON ROAD OVERCROSS IN CITY OF IRVINE AT LAGUNA CANYON ROAD	-	-	-	-	-	-	-	-	3/22/2006	7/2/2018	12/15/2018	7/2/2020	
179	12-OH045	ORA	405	2.4	3.9	-	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, Marshburn Channel	-	-	1.51	0.83	3.73%	SWPPP	TBD	3/22/2016	6/15/2017	12/20/2017	12/19/2018	
180	12-OH046	ORA	405	11.4	16.9	-	RESURFACING OF ALL LANES AND ALL ON-RAMPS AND OFF-RAMPS WITHIN THE PROJECT LIMITS ON ROUTE 405 FROM HARBOR BLVD TO BEACH BLVD	-	-	-	-	-	-	-	-	7/1/2017	7/1/2018	2/1/2019	2/4/2020	
181	12-OH100	ORA	405	10.2	24	-	ONE-LANE WIDENING IN EACH DIRECTION & ADDING AUXILIARY LANES AT VARIOUS LOCATIONS I-405 Improvement Project from SR-73 to I-605	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	6/16/2015	3/28/2016	2/1/2017	7/30/2021
182	12-OH242	ORA	405	20.8	24.2	-	INSTALL FIBER OPTIC CABLES, CCTV & COMMUNICATION EQUIPMENT ON I-405 & I-605 IN CITY OF SEAL BEACH & ROSSMOOR	-	-	-	-	-	-	-	-	4/20/2017	5/16/2018	11/30/2018	12/3/2019	
183	12-OH320	ORA	405	2.4	2.9	-	CONSTRUCT AN AUXILIARY LANE IN SB DIRECTION IN CITY OF IRVINE FR SAND CANYON AVE ON-RAMP TO SR-133	-	-	-	-	-	-	-	-	9/28/2015	4/1/2017	9/1/2017	9/1/2018	

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
184	12-OH770	ORA	405	4.1	4.4	-	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	-	-	-	-	-	-	-	-	-	11/7/2017	7/31/2018	1/15/2019	7/14/2020
185	12-OJ440	ORA	405	0	24.178	-	REMOVE EXISTING HOV BUFFER. RESTRIPE FREEWAY TO PROVIDE A CONTINUOUS HOV ACCESS, STANDARD GP LN & SHOULDERS IN ORANGE COUNTY. I-5 IN IRVINE TO I-605 IN SEAL BEACH	Culver Storm Channel, San Diego Creek Reach 1 and Reach 2, Lane Channel, Santa Ana River Reach 1, East Garden Grove Wintersburg Channel, Anaheim Barber City Channel, Bolsa Chica Channel	-	-	0	0	0	WPCP	exempt	1/31/2014	6/23/2020	11/24/2020	5/18/2021	
186	12-OK710	ORA	405	0.2	8.7	-	Increase Capacity & Improve Ops. In Irvine, on Rte 405 from I-5 to SR-55	San Diego Creek Reaches 1 and 2, San Joaquin Channel and Lane Channel	none	none	-	43	30	-	SWPPP	Biofiltration Swales, Detention Basins	1/26/2018	10/12/2020	6/2/2021	6/6/2023
187	12-OL910	ORA	405	7.5	7.8	-	REPAIR SLOPE EMBANKMENT & DISTRESSED ASPHALT CONCRETE ROADWAY ON-RAMPS. OC. IN THE CITY OF IRVINE ON I-405 FOR NB & SB MACARTHUR ON-RAMPS.	-	-	-	-	-	-	-	-	-	7/29/2016	7/10/2017	12/19/2017	8/21/2018
188	12-OM350	ORA	405	2.6	6.5	-	Replace K-Rail & Extend SB Aux Lane. In Irvine, from 1700 S. of Sand Cyn to 2100 S. of Jamboree Rd.	Peter's Canyon and San Diego Creek Reach 1	-	-	-	14.97	10.12	-	SWPPP	Biofiltration Strips, Biofiltration Swales	6/30/2013	6/30/2016	12/29/2016	12/1/2019
189	12-OM630	ORA	405	11.4	20.3	-	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 City Channel, Westminster Channel, Slater Storm Channel, East Garden Grove Wintersburg Channel, Fountain Valley Channel, Santa Ana River (Reach 1)	-	-	0.001	0	-	WPCP	exempt	8/1/2017	9/1/2018	2/14/2019	2/14/2020	

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
190	12-ON230	ORA	405	6.917	6.917	-	Improve Interchange. In Irvine, I-405 at Jamboree interchange.	-	-	-	-	-	-	-	-	-	6/15/2014	3/14/2017	6/8/2017	6/6/2018
191	12-ON520	ORA	405	7.3	11.8	-	Relocate facilities away from traffic, construct roadside paving, access gates and trails to improve worker safety. O I-405: In Irvine and Costa Mesa, from Von Karman to Harbor Blvd.	-	-	-	-	-	-	-	-	-	10/1/2018	10/1/2019	8/1/2020	8/1/2021
192	12-ON540	ORA	405	8.4	8.4	-	Stabilize embankment in Red Hill Avenue on the south side of I-405 In Orange County in Costa Mesa at Red Hill Ave. OC	Santa Ana Delhi Channel to Upper Newport Bay	-	-	2.6	0.39	-	SWPPP	exempt	-	10/1/2014	5/1/2015	11/2/2015	5/1/2018
193	12-OP080	ORA	405	16.9	24.2	-	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.	Los Alamitos, Federal Storm, Bolsa Chica, Anaheim Barber, East Garden Grove Wintersburg Channels, and San Gabriel River Reach 1	-	-	0	0	-	WPCP	exempt	-	9/2/2017	3/1/2020	11/2/2020	1/2/2022
194	12-OP110	ORA	405	19.012	19.012	-	Enhance safety by improving HFST, Safety Lighting, and bring Guardrail to standard. SB 405 on-ramp from Westminster Avenue in the City of Westminster.	-	-	-	-	-	-	-	-	-	2/16/2017	8/15/2018	3/1/2019	8/21/2019
195	12-OP120	ORA	405	16.384	16.384	-	HFST, Optical speed Bars, Guardrail. Route 405 NB Off Ramp to SB Route 39 in Huntington Beach.	-	-	-	-	-	-	-	-	-	5/1/2016	10/1/2017	3/21/2018	9/10/2018
196	12-OP220	ORA	405	6.9	10.3	-	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.	-	-	-	-	-	-	-	-	-	3/20/2017	6/25/2018	12/12/2018	2/11/2020
197	12-OP400	ORA	405	5.831	5.831	-	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.	-	-	-	-	-	-	-	-	-	8/22/2017	8/6/2018	1/10/2019	1/9/2020
198	12-10911	ORA	405	4.7	4.7	-	WIDEN OC IN IRVINE AT YALE AVE POC	-	-	-	-	-	-	-	-	-	4/9/1993	2/5/2018	2/5/2019	9/14/2020

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
199	12-OK870	ORA	605	0.96	1.64	-	IMPROVE FREEWAY ACCESS & ARTERIAL CONNECTION TO I-605. IN THE CITIES OF LOS ALAMITOS & CYPRESS ON I-605	Coyote Creek/San Gabriel River (Reach 1)	-	-	-	14.4	3.56	-	SWPPP	Biofiltration Swales, Media Filters	6/28/2017	10/7/2019	5/27/2020	2/9/2022
200	12-08200	ORA	VAR	-	-	-	MODIFY RAMP IN ORANGE AT LAVITA AVE/TOWN & COUNTRY RD IC	-	-	-	-	-	-	-	-	-	5/24/2016	5/12/2017	11/14/2017	1/14/2019
201	12-09321	ORA	VAR	-	-	-	Aux Lane. In Irvine, from NB Jeffery Rd/Univ. Dr. Loop On-Ramp to 1,400' S. of Culver Dr. Off-Ramp.	-	-	-	-	-	-	-	-	-	6/30/2017	3/13/2018	10/2/2018	10/26/2020
202	12-09800	ORA	VAR	-	-	-	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	-	-	-	-	-	-	-	-	-	1/11/2017	8/15/2019	2/22/2020	2/22/2023
203	12-0A950	ORA	VAR	11.5	11.5	-	Caltrans Maintenance Facility SR 133 at Rte 5 and Marine Way	-	-	-	-	-	-	-	-	-	8/4/2017	10/1/2018	12/6/2018	12/6/2019
204	12-0E620	ORA	VAR	-	-	-	Extend 1 Auxiliary Lane SB I-5 Laguna Hills at Alicia Pkwy	-	-	-	-	-	-	-	-	-	6/17/2016	5/25/2017	2/2/2018	6/5/2019
205	12-0E972	ORA	VAR	0	0	-	CONSTRUCTION OF D-12 EQUIPMENT SERVICE CENTER (PS&E, CONSTRUCTION) IN ORANGE COUNTY	San Diego Creek	none	none	none	8.0 acres	6.7 acres	83%	SWPPP	2 BSWS	9/12/2007	9/25/2017	3/12/2018	9/11/2019
206	12-0G260	ORA	VAR	29.6	31.1	-	ROUTE 5/ROUTE 55 INTERCHANGE IMPROVEMENT IN SANTA ANA AND TUSTIN ON ROUTE 5 FROM NEWPORT BLVD/4TH ST. & RTE 55	-	-	-	-	-	-	-	-	-	8/1/2005	5/1/2020	8/6/2020	8/9/2021
207	12-0H026	ORA	VAR	0.3	13.6	-	IN IRVINE, LAGUNA BEACH FROM SR-001 TO OSO CREEK. Capital preventive maintenance for pavement preservation 133	-	-	-	-	-	-	-	-	-	8/17/2005	7/19/2017	11/29/2017	12/5/2018
208	12-0H227	ORA	VAR	5.9	10.4	-	Upgrade fiber optics, CCTV & communication equipment SR-55 from PCH, RTE 405 from I-5 to SR-55, & Minor Program.	-	-	-	-	-	-	-	-	-	3/4/2020	10/1/2020	3/22/2021	3/18/2022

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

No.	EA	Project Location					Project Description <sup>2,3</sup>	Water Bodies Within or Adjacent to Project Limits <sup>4</sup>	Dredge and Fill Activities (Y/N/NA) <sup>5</sup>	Other Regional Water Board Permits Required <sup>6</sup>	Potential and Actual Impacts of Project's Discharge <sup>7</sup>	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) <sup>8</sup>	Post-Construction Treatment Control Type, Quantity <sup>9</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB <sup>1</sup>											PA&ED Date	PS&E Date	Start Date	End Date
209	12-OK470	ORA	VAR	-	-	-	ON I-5 AT ALTON PARKWAY IN THE CITY OF IRVINE. Widening of Alton Parkway overcrossing at I-5	-	-	-	-	-	-	-	-	-	6/30/2017	10/1/2018	2/26/2019	7/26/2019
210	12-ON070	ORA	VAR	0	0	-	OGFC, Groove, HFST, Polyester Concrete In Laguna Hills, Lake Forest, Irvine, Costa Mesa, Tustin, & Orange - 6 Locations.	Upper/Lower Newport Bay	none	-	-	0.3	0	-	WPCP	exempt	6/26/2014	1/20/2016	6/15/2016	9/1/2017
211	12-ON78U	ORA	VAR	0	0	-	Upgrade existing fiber optic communication system, PTZ analog CCTVs to HD CCTV's and provide IP network services. IN ORANGE COUNTY AT VARIOUS LOCATIONS.	San Diego Creek	none	-	-	0.26	0.03	-	WPCP	exempt	10/1/2014	6/15/2015	3/29/2016	3/28/2018
212	12-OP490	ORA	VAR	0	0	-	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"	Santa Ana River (Reach 2), Bitterbush Channel, Chantilly Storm Channel, Placentia Storm Channel, Carbon Creek Channel, Loftus Diversion Channel	none	-	-	0.022	0	-	WPCP	exempt	1/7/2016	3/1/2016	6/30/2016	8/1/2017
213	12-OP720	ORA	VAR	0	0	-	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.	Santa Ana River, Reach 2	none	-	-	0.4	0	-	WPCP	exempt	7/1/2016	2/1/2018	7/18/2018	6/1/2019

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

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

**Table 6-2: District 12 Anticipated 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>	
BS	Biofiltration Strips and/or Swales
C	Under Consideration
D	Detention Devices
E	Exempt
DWFD	Dry Weather Flow Diversion
GSRD	Gross Solids Removal Devices
ID	Infiltration Devices – Water quality volume infiltrates within the right of way. (When this is demonstrated for at least 90% of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)
MF	Media Filters
MCTT	Multi-chambered Treatment Trains
TST	Traction Sand Traps
WB	Wet Basins

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

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

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

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

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

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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>ASBS Core Monitoring Sites</b></p>
<ul style="list-style-type: none"> <li>• District sites include the following:               <ul style="list-style-type: none"> <li>○ Crystal Cove (Irvine Coast ASBS)</li> </ul> </li> </ul>
<p><b>ASBS Ocean Receiving Water and Reference Monitoring Sites</b></p>
<ul style="list-style-type: none"> <li>• District sites include the following:               <ul style="list-style-type: none"> <li>○ Crystal Cove (Irvine Coast ASBS)</li> </ul> </li> </ul>

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## **7 Region-Specific Activities**

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Section 7 of the DWP identifies the applicable region-specific activities that District 12 has planned for the fiscal year 2017-18 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.

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