

**California Department of Transportation
Stormwater Management Program
District 8 Work Plan**

Fiscal Year

2017-2018

CTSW-RT-16-316.11.1



California Department of Transportation
Division of Environmental Analysis
Stormwater Management Program
464 West Fourth Street, San Bernardino, California 92401

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

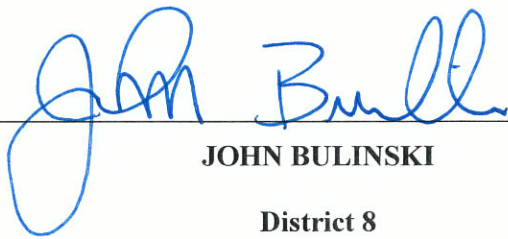
October 1, 2016



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**California Department of Transportation
District 8 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)]



JOHN BULINSKI

District 8

8/24/16

Date

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1 Introduction

General Information about the District Work Plan

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

This DWP presents information about District 8'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

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

The District 8 stormwater (SW) quality program will implement the following:

- **NPDES OSWQ (P. Hally):** The District will continue to implement the current Stormwater Management Program (SWMP). The District expects adoption of the revised Caltrans SWMP in 2016. Procedure changes that result from the new SWMP will be communicated to the District. The District NPDES Coordinator and Office of Storm Water Quality will upload data to the Caltrans Statewide Stormwater Web Portal.
- **SW Design & Hydraulics (R. King):** The SW Design & Hydraulics Division will continue to promote and implement Low Impact Development principles in highway and drainage design, through participation on Project Development Teams and reviews. The SW Design will assist the District NPDES Coordinator in implementation of State Highway Operation Protection Plan (SHOPP 201.335) program and achieving Compliance Units required by the Caltrans 2012

NPDES MS4 Permit. The SW Design will continue to train Project Engineers who prepare Stormwater Data Report.

- **NPDES Construction (D. Meress):** The Construction Division will participate on Project Development Teams and Constructability Reviews to get quality biddable and buildable projects. Construction will continue training and assisting Resident Engineers (REs) and other field staff in field implementation and Statewide Construction General Permit (CGP) requirements.
- **NPDES Maintenance (L. Estrella):** The Maintenance Division will continue to review projects under development and inspect them at the 90% walkthrough to ensure treatment BMPs are accessible and maintainable in the long term.
- **NPDES Permit (T. Nguyen):** The Encroachment Permits Division will implement the Encroachment Permits Manual. Each encroachment permit application will be reviewed for potential stormwater impacts, and stormwater controls will be implemented by a tiered system. Projects requiring coverage under the CGP must show evidence of coverage prior to issuance of the encroachment permit.

2 District Personnel and Responsibilities

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

District NPDES Stormwater Coordinator

The District NPDES Coordinator (DNC) oversees the stormwater quality program and is responsible for implementing an effective program in the District. In addition, the DNC is a liaison between Headquarters (HQ) and District Division Chiefs (DDC) to ensure the effective communication, collaboration, and coordination of stormwater activities. The DNC also provides support, direction, and guidance to the other Stormwater Coordinators.

The DNC is responsible for informing each Division of statewide stormwater quality policies and guidance in District 8 and daily management of the District's stormwater quality program. The DNC is responsible for identifying issues, developing recommendations related to stormwater quality, and coordinating with the HQ Division of Environmental Analysis concerning water quality issues that affect the District. The DNC supervises staff who support the DNC with Stormwater Management Program.

The responsibilities of the DNC include:

- Providing guidance and direction for the preparation, development, and implementation of a comprehensive District Stormwater Management Program, as directed in the DWP.
- Serving as the signatory authority in the District for Storm Water Data Reports (SWDRs) produced in each phase of project development.
- Evaluating needs and making recommendations for the stormwater workload allocations for the District 8 Office of Stormwater Quality (OSWQ) for each fiscal year.
- Coordinating and tracking resource distributions, workloads, and projects within the OSWQ.
- Providing guidance and direction necessary to develop strategies for addressing regulations and mandates on stormwater discharges set forth by federal, state, and local regulatory agencies.
- Representing the District as the primary liaison on stormwater and waste discharge issues with Headquarters, local MS4 co-permittees, the four RWQCBs in the District, the U.S. Environmental Protection Agency (U.S. EPA), and the State Board.
- Representing the District on the Water Quality Stormwater Advisory Team (WQSWAT) identified in the SWMP.
- Leader and Chairperson of the District 8 NPDES Task Force and State Highway Operation Protection Plan (SHOPP 201.335) program.
- Providing District input on research proposals and implementation, development of training classes, and other work initiated by Headquarters.
- Initiating, directing, and overseeing stormwater TMDL task order or contract in the District.

Although the Chief of the OSWQ in the Division of Engineering Services has been designated as the District NPDES Coordinator, the stormwater responsibilities are in addition to and separate from the responsibilities of the OSWQ.

Environmental Engineering Coordinator

The District Environmental Engineering Coordinator (EEC) is responsible for communicating with the DDC of Environmental Planning and the Environmental Engineering Office Chief for the proper implementation of the environmental engineering portion of the SWMP and DWP. The EEC ensures that the staff supports and properly executes the activities defined in the SWMP and DWP. The specific stormwater tasks for which the EEC is responsible is the following:

- Determination and evaluation of stormwater impacts during California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA) screening for hazardous wastes.
- Provide information to the DNC regarding projects that invoke the DTSC Lead variance for soils containing aeriially deposited lead.

Maintenance Coordinator

The Maintenance Coordinator (MC) is a Maintenance Superintendent responsible for communicating with the Deputy District Director of Maintenance and the Maintenance Supervisors regarding the proper implementation of maintenance-related sections of the SWMP and DWP. The MC reports all Illegal Connection/Illicit Discharge (IC/ID) activities to the DNC and coordinates stormwater training for maintenance staff as well as overseeing inspections of maintenance facilities and operations relative to Caltrans NPDES Permit compliance. The MC is chairperson of the Maintenance Operation Team that meets routinely to discuss water quality issues, update the Maintenance portion of the DWP, and compile information for the Annual Reports, as well as the SWMP. The MC serves as the conduit for information between the DNC and maintenance offices, as well as the Headquarters Maintenance Program, including the Maintenance SWAT identified in the SWMP.

Construction Coordinator

The Construction Coordinator (CC) is a senior-level employee responsible for developing stormwater quality guidance and for the daily management of the Division of Construction's stormwater quality program. The CC is responsible for providing guidance to the Resident Engineer, in an advisory capacity, regarding the proper implementation of the SWMP and the DWP within its Division. The CC is also the functional manager of the Construction NPDES/Environmental unit. This unit oversees implementation of program requirements in the field during the construction phase of each project and reviews projects in the Plans, Specifications, and Estimates (PS&E) phase to ensure adequate temporary BMPs have been included. The specific tasks for which the CC is responsible include:

- Serving as the primary point of contact for stormwater issues during the construction phase of each project.
- Developing and administering stormwater training for construction staff.
- Reviewing and recommending approval of Stormwater Pollution Prevention Plans (SWPPP) as requested by the Resident Engineer.
- Tracking critical compliance milestones that occur before and during the course of construction.
- Conducting final project closeout inspections.
- Reviewing the Notice of Termination for SWPPP projects.
- Submitting approved SWPPPs to the RWQCBs as requested.
- Submitting reports to the RWQCBs as requested.
- Providing oversight inspections for highway projects administered by entities outside Caltrans.
- Reviewing, preparing, and submitting Threat of Discharge reports.
- Preparing and submitting IC/ID Reports for Construction.

- Representing Construction in the District’s NPDES Task Force Meetings.
- Providing input to the Annual Report.
- Participating on the Construction SWAT described in the SWMP.
- Reviewing project documents during PS&E phase and providing input to the designer in determining specific project needs for temporary water pollution control during construction.

The CC ensures that all enforcement actions or corrections requested by the regional boards are promptly implemented, and documented. The CC serves as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff. The CC supports the design-related functional units in determining specific project needs and evaluation of water pollution control measures in the field.

Right-of-Way (ROW) Coordinator

The Right-of-Way (ROW) Coordinator for the NPDES Task Force is currently a District Branch Chief of Property Management. This Coordinator is responsible for:

- 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 NPDES Task Force and/or the DNC of discharges or situations that appear to be in violation of Caltrans NPDES Permit, SWMP, or DWP.
- Reporting instances where ROW conducts construction activities that require the development of a SWPPP and related notification.

Stormwater Design Coordinator

The Stormwater Design Coordinator (DC) is a licensed Civil Engineer. The DC is a member of the District NPDES Task Force responsible for providing information on permanent erosion control measures in waterways within the ROW, whether natural or man-made, except those structures assigned with a State Bridge Number, in which case erosion, scour, and related calculations are performed by Headquarter Hydraulics Structures. The SW Design Coordinator is also responsible for Rapid Stability Assessments (RSA) and Hydromodification Analysis and Mitigation. The DC ensures that the management and staff of the Stormwater Design/Hydraulics Branch are knowledgeable of the DWP and various water pollution control efforts and commitments for minimizing or preventing pollutants from being present in discharges. The DC ensures that the design processes utilized by the Stormwater Design/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.

Public Affairs Coordinator

The Public Affairs Coordinator is a member of the NPDES Task Force, which is responsible for maintaining an effective public information program as specified in this DWP and any elements of the SWMP that are attributed to the District. The Public Affairs Coordinator is directly responsible for the following:

- Ensuring the publication of stormwater articles within District publications (e.g., newsletters and public information flyers).
- Ensuring that stormwater information is available at public events where Caltrans participates in public outreach, such as county fairs and environmental awareness events.

Encroachment Permits NPDES Coordinator

The Encroachment Permits Stormwater Coordinator is a member of the NPDES Task Force, which 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 Stormwater 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.

Landscape Architecture Coordinator

The Landscape Architecture units facilitate the incorporation of permanent erosion control measures into the planning, design, and construction of all projects in District 8. The District Landscape Architect or his delegate is the Landscape Architecture Coordinator (LAC), who is the primary point of contact between the other functional units, the NPDES Task Force, and the DNC. The LAC provides permanent erosion and sediment control training to Design personnel in coordination with the HQ Landscape Architecture Program (LAP), the HQ Department of Environmental Analysis, and the DNC. Furthermore, the LAC provides field support to Construction, Maintenance, and Encroachment Permits when requested. The LAC also coordinates SWMP and DWP implementation with local agencies that sponsor projects on the U.S., State, and Interstate highway systems.

The specific stormwater tasks for which the LAC is responsible include the following:

- Evaluating and recommending permanent soil stabilization control and treatment control measures for addressing project stormwater impacts.
- Identifying the costs related to water pollution and erosion control on programming documents.
- Developing new specifications, details, and guidance materials related to erosion and sediment control.
- Preparing contracts at PS&E to address erosion and sediment controls for projects, including computational proof of post-construction soil stabilization per the CGP.
- Ensuring that when soil containing lead is reused in accordance with variances issued by the Department of Toxic Substances Control (DTSC), that it is stabilized as part of project design.
- Assisting the District Encroachment Permits Branch in evaluating water quality impacts and the requirements of encroachment permit applications as requested.
- Assisting the DNC and MC in identifying, scoping, and programming stormwater quality-related projects for the State Highway Operation and Protection Program.
- Assisting in the development of training programs, especially those for Landscape Architecture staff.
- Reviewing and approving erosion control plans for oversight projects.
- Participating in the Planning and Design Stormwater Advisory Team (PDSWAT) identified in the SWMP.

The LAC is a liaison with the LAP to develop, submit, review, and approve all specifications and details related to post-construction erosion and sediment control and vegetated treatment controls. Furthermore, the LAC is the contact for Headquarters' Design Program in the approval or concurrence with specifications related to erosion and sediment control.

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

Table 2-1: District 8 Stormwater Personnel and Responsibilities

Staff Name	Title	Phone No.	E-mail	Responsibility
Patrick J. Hally	District NPDES Stormwater Coordinator, Chief-Office of Stormwater Quality	(909) 383-4948	patrick.hally@dot.ca.gov	Primary contact for all stormwater issues. Oversees the implementation of the Caltrans NPDES Permit within the District. Final signatory authority on all Stormwater Data Reports. District representative on the WQSWAT
Rosanna M. Roa	Hazardous Waste Coordinator	(909) 383-5917	rosanna.roa@dot.ca.gov	Primary contact for DTSC related stormwater issues
Leonard Estrella	Maintenance Stormwater Coordinator	(909) 889-3235	Leonard.estrella@dot.ca.gov	Implementation of the policies, procedures, personnel and equipment of the SWMP in the Maintenance Division. District representative on the MSWAT. Third signatory on the long form SWDR
David Meress	Construction Stormwater Coordinator	(909) 514-1071	dave.meress@dot.ca.gov	Ensures that field construction personnel are appropriately trained to ensure compliance with water pollution control requirements. Conduct inspections to assist Resident Engineers in ensuring that stormwater controls are implemented. Review SWPPPs. District representative on the Construction Stormwater Advisory Team (CSWAT)
Michael Yarbrough	Right-of-Way Coordinator	(909) 383-4581	michael.yarbrough@dot.ca.gov	Primary contact for Right-of-Way related stormwater issues.
Roy King	Engineering Services (Hydraulics) Coordinator	(909) 383-4555	roy.king@dot.ca.gov	Primary contact for drainage-related stormwater issues.
Shelli Lombardo	Public Affairs Coordinator	(909) 383-6290	shelli.lombardo@dot.ca.gov	Coordinates with the DNC for public outreach and education at public events.
Tan Nguyen	Encroachment Permits Stormwater Coordinator	(909) 383-7544	tan.d.nguyen@dot.ca.gov	Primary contact for Encroachment Permits-related stormwater issues.
Matthew Hall	Landscape Architecture Coordinator (Acting)	(909) 383-6256	Matthew.hall@dot.ca.gov	Implementation of post-construction erosion and sediment control for Caltrans projects; oversight for same on projects administered by local agencies. Fourth signatory on the long-form SWDR.
Hortensia Irigoyen	Planning Stormwater Coordinator	(909) 383-5905	hortensia.irigoyen@dot.ca.gov	Assists the DNC in Transportation Planning-related stormwater issues.
Wale Alofe	Project Management Stormwater Coordinator	(909) 381-1773	wale.alofe@dot.ca.gov	Assists the DNC in Project Management-related stormwater issues.

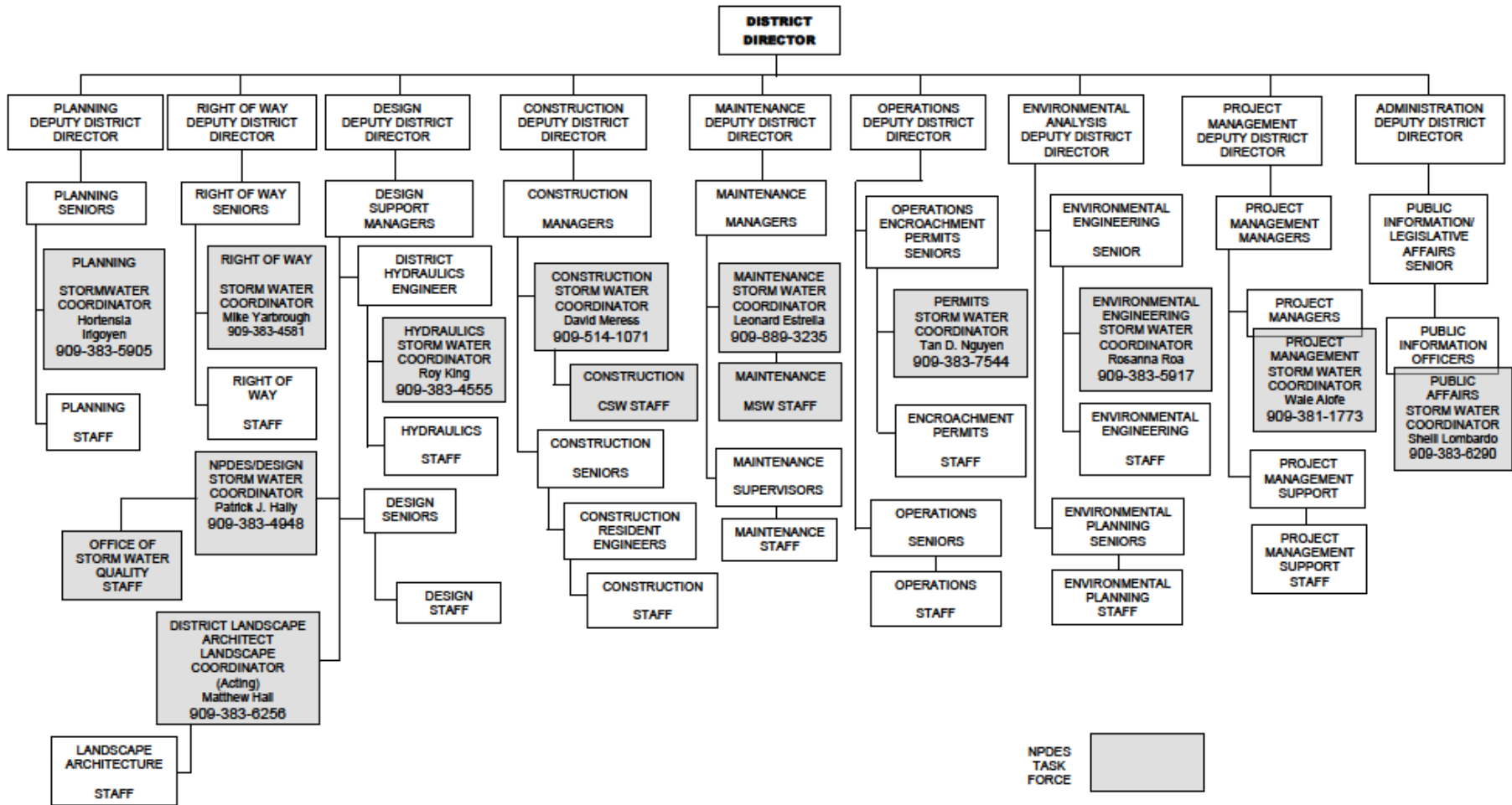
Table 2-2 lists individuals authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Stormwater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

Table 2-2: District 8 Signatory Authority for Key Documents

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
John C. Bulinski	(909) 383-4055	John.bulinski@dot.ca.gov	All District Documents
Patrick J. Hally District NPDES Stormwater Coordinator	(909) 383-4948	patrick.hally@dot.ca.gov	All District Documents except District Work Plan
Project Engineer	-	-	All District Documents except District Work Plan
David Meress Construction Stormwater Coordinator	(909) 514-1071	dave.meress@dot.ca.gov	SWPPP, Notice of Intent (NOI), Notice of Termination (NOT), Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification, Incident Report Form
Leonard Estrella Maintenance Stormwater Coordinator	(909) 383-5977	Leonard.estrella@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illegal Connection/Illicit Discharge (IC/ID), Incident Report Form
Tan Nguyen Permits Coordinator, Permit Inspector	(909) 383-7544	tan.d.nguyen@dot.ca.gov	SWPPPs, NOI/NOT, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of IC/ID, Incident Report Form
Design Senior Engineer	-	-	Notice of Soil Reuse with Aerially Deposited Lead (ADL)
Resident Engineer	-	-	SWPPPs, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, NOI/NOT, Incident Report Form
Leonard Estrella Maintenance Stormwater Coordinator	(909) 514-1071	Leonard.estrella@dot.ca.gov	Facility Pollution Prevention Plans (FPPP)

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

Figure 2-1: District 8 Organizational Chart



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3 District Facilities and Water Bodies

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

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4 Drinking Water Reservoirs and Recharge Facilities

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

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

When planning projects within these defined areas, District 8 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 8 is presented in Table 4-1.

Table 4-1: District 8 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
SR 173, PM 17.8-21.5 SR 189, PM 3.5-5.5	SBd	6	Lake Arrowhead	Created in 1922, this lake is used for multiple purposes including water supply to a local community. The Lake Arrowhead Community Service District (LACSD) withdraws water from the lake for treatment and distribution to the Arrowhead Woods community for potable use.	LACSD emergency contact (909) 336-7100
SR 138, PM 24.9-32.4	SBd	6	Silverwood Lake	This lake was created in 1971 by the construction of a forebay (Cedar Springs Dam) on the California Aqueduct. The Crestline-Lake Arrowhead Water Agency (CLAWA) draws and treats lake water for a supplemental water supply to a portion of the San Bernardino Mountains.	CLAWA emergency contact (909) 338-1779
SR 395, PM 6.0-6.8	SBd	6	California Aqueduct	Part of the State Water Project (SWP), this aqueduct brings water from the San Joaquin-Sacramento River Delta to southern California. The east branch of the aqueduct ends at Silverwood Lake. Water conveyed by the east branch is used for multiple purposes including agricultural and domestic supplies.	SWP emergency contact (916) 574-2714
I-10 PM 4.8	SBd	8	Eighth Street Basin #3	This small basin is owned by San Bernardino County Flood Control District (SBCFCD). The basin receives water from a series of basins leading from Cucamonga Canyon and is listed as a flood control/percolation basin.	SBCFCD emergency contact (909) 387-8063

Table 4-1: District 8 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
I-15 PM 0.5-0.75	SBd	8	Wineville Basin	This basin is owned by SBCFCD. The basin receives water from Day Creek and the Etiwanda Channel. It is used for flood control and groundwater recharge. The Chino Basin Watermaster (CBWM) was authorized under SWRCB Permit 19895 to recharge groundwater at this facility. The groundwater recharge was meant for irrigation, industrial and municipal uses.	SBCFCD emergency contact (909) 387-8063 CBWM emergency contact (909) 484-3888
I-15, PM 7.5	SBd	8	Victoria Basin	This basin is owned by SBCFCD. It receives water from East Etiwanda Creek and Etiwanda Channel, and is listed as a percolation basin.	SBCFCD emergency contact (909) 387-8063
I-15 PM 8.3-9.5	SBd	8	San Sevaine Basins 1-5	These basins are currently owned by SBDFCD but have potential to become percolation basin as proposed by Inland Empire Utilities Agency.	SBCFCD emergency contact (909) 387-8063
I-10	SBd	8	Montclair Basin - 4	Montclair Basin -4 is a stormwater recharge facility which receives runoff from local streets and I-10. It is operated and maintained by Chino Basin Water Conservation District (CBWCD)	CBWCD emergency contact (909) 626-2711

5 Slopes Prone to Erosion

Section 5 of the DWP identifies the road segments within District 8 that have slopes which are prone to erosion and sediment discharge. The road segments that are located in sensitive watersheds, or where there is an existing or potential threat to water quality, will be prioritized for implementing appropriate controls to the maximum extent practicable. In each Annual Report, the status of stabilization activities where applicable will be reported. Table 5-1 is District 8's inventory of vulnerable road segments where erosion occurs and stabilization may be required, or where rock cut slopes are located and rock falls have occurred.

Table 5-1: District 8 Inventory of Road Segments Prone to Erosion

Road Segment	County	Regional Board	Watershed	Scheduled Stabilization Date
Route 60	RIV	8	San Jacinto River	TBD
Route 74	RIV	8	Lake Elsinore	TBD
Route 74	RIV	8	Strawberry Creek	TBD
Route 74	RIV	7/8	Palm Canyon Wash/ Omstott Creek/ San Jacinto River	TBD
Route 74	RIV	7	Horsethief Creek	TBD
Route 74	RIV	7	Carrizo Creek	TBD
Route 243	RIV	8	Upper San Jacinto River	TBD
Route 243	RIV	8	Upper San Jacinto River	TBD
Route 18	SBD	8	East Twin Creek	TBD
Route 18	SBD	8	Strawberry Creek	TBD
Route 18	SBD	6/8	Mojave River/ Santa Ana River	TBD
Route 18	SBD	7/8	Lucerne Lake/ Santa Ana River	TBD
Route 38	SBD	8	Santa Ana River	TBD
Route 95	SBD	7	Colorado River	TBD
Route 95	SBD	7	Colorado River	TBD
Route 138	SBD	6	Silverwood Lake	TBD
Route 138	SBD	6	Silverwood Lake	TBD
Route 138	SBD	6	Silverwood Lake	TBD
Route 247	SBD	7	Emerson/Johnson Valley	TBD
Route 62	SBD	7	Coyote Lake/Mesquite Lake/ Dale Lake	TBD

Figure 5-1 is a map showing California State Highway System areas that required maintenance within District 8 in 2016, including rock cut slopes, landslides, and moderate soil erosion.

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6 Implementation

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

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

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

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

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

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Table 6-1: District 8 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
1	0C870	SBD	060	1.10	3.54	8	Construct Aux. Lanes, widen ramps	Cucamonga Creek	N	N	Minimized	15.48	11.21	32.2	SWPPP	BS, ID	11/01/17	07/01/19	06/01/20	07/01/22
2	0G842	SBD	015	R107.30	R107.30	6	Upgrade safety roadside rest area	Mojave River	N	N	NA	NA	NA	NA	SWPPP	C	08/31/15	06/30/16	02/22/18	08/31/18
3	0J850	SBD	138	24.1	24.1	6	Horsethief Creek Bridge Replacement	Horsethief Creek	Y	N	Minimized	1.7	NA	NA	SWPPP	E	11/14/11	10/18/13	07/01/14	05/01/17
4	0R420	SBD	15	7.4	7.4	8	Construct New Maintenance Facility	County Flood Channel	N	N	Minimized	8	8	100	SWPPP	TBD	07/15/19	11/30/21	04/10/22	06/17/24
5	0R430	SBD	38	50.4	59.4	8	Sediment Source Control	Big Bear Lake	N	N	NA	4.1	0	0	SWPPP	E	09/15/16	10/30/17	02/15/18	02/21/20
6	0R540	SBD	15	32.5	42.2	6	Construct Rock Blanket	Oro Grande Wash	N	N	NA	2.1	2.06	6.5	SWPPP	E	10/20/14	05/30/16	09/08/16	08/11/17
7	0R710	SBD	015	87.26	91.81	6	Install double thrie beam barrier	Mojave River	NA	NA	NA	2.75	NA	<1	WPCP	E	07/21/14	09/16/15	02/09/16	08/22/16
8	0R160	SBD	040	50	75	6,7	Regrade median, Segment 3	Unnamed Washes, Boundary Wash and Orange Blossom Wash	NA	N	NA	>20	<1	<10	SWPPP	E	08/15/16	11/30/15	11/30/17	07/31/19
9	0Q740	SBD	015	15.40	30.80	6,8	Rehabilitate mainline & ramps; replace slabs (Design-Build)	Cajon Creek, Oro Grande Wash	N	N	Minimized	0.23	<1	NA	WPCP	E	01/16/13	11/01/13	09/19/13	12/31/16
10	0N550	SBD	040	105.2	106.7	7	Bridge replacement	Watson Wash	Y	NA	NA	36.3	NA	>1	SWPPP	E	04/22/14	09/16/15	04/21/16	08/11/17
11	0E551	SBD	210	21.80	27.3	8	Install fiber optic communication, closed circuit television cameras and changeable message sign	Santa Ana River (Reach 5), East Twin Creek, Lytle Creek	N	N	Minimized	0.2	NA	NA	WPCP	E	08/21/15	03/11/16	01/18/17	03/15/19
12	04351	SBD	058	22.2	31.1	6	Realign & widen SR-58 to 4-lane expressway (southerly alt) phase 2	Dry Desert wash	Y	N	Minimized	613.20	110.21	100	SWPPP	D, ID	06/27/13	01/10/14	12/30/14	02/28/17
13	0Q300	SBD	138	17.1	19.2	8	Realign and widen highway	Crowder Creek	Y	NA	NA	NA	NA	NA	SWPPP	C	09/30/14	08/18/15	04/18/16	07/31/18

¹ Regional Board

² Supplemental Environmental Projects designated as "SEP."

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

⁴ Water bodies with designation for 303(d) designation are noted in parentheses.

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

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

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

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

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

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No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
14	0Q760	SBD	010	0	30.9	8	Rehabilitate pavement	(San Antonio Creek), (Cucamonga Creek, -Valley Reach), Day Creek, (Warm Creek), (Santa Ana River Reach 4), San Timoteo Wash	N	N	NA	RM	<1	NA	WPCP	E	06/24/13	01/28/14	12/19/14	04/30/17
15	0R450	SBD	015	20	23	8	Install vegetation control under guardrail	Cajon Wash & its unnamed tributaries	N	N	NA	3.0	2.9	NA	SWPPP	C	08/18/14	12/01/15	07/08/16	07/14/17
16	0G800	SBD	38	47.50	59.40	8	Drainage Improvements	Big Bear Lake	N	N	NA	0.1	0	0	WPCP	E	10/17/18	10/17/19	10/20/20	11/22/21
17	0G860	SBD	40	R105.30	R105.60	7	Reconstruct Roadside Rest Area	Watson Wash	N	N	NA	20.0	NA	NA	SWPPP	NA	08/01/18	02/01/20	12/01/20	06/01/22
18	0G900	SBD	247	9.60	20.30	7	Construct standard paved shoulder	Undefined	N	N	NA	49.95	19.78	66.7	SWPPP	E	12/28/12	01/05/15	04/14/16	07/06/18
19	0J070	SBD	215	0.58	1.66	8	Reconstruct IC	Santa Ana River Reach 4	N	N	Minimized	20.6	6.67	83.9	SWPPP	D	03/05/14	10/01/16	02/15/17	08/15/19
20	0J400	SBD	10	3.80	5.60	8	Reconstruct IC	Cucamonga Creek	N	N	Minimized	36	-2.50	-3.5	SWPPP	E	12/21/17	06/30/19	06/17/20	02/01/22
21	0J460	SBD	095	37.30	37.30	7	Widen roadway and add a left-turn pocket	Vidal Wash	N	N	NA	>1.0	NA	0	SWPPP	E	03/02/15	01/05/16	06/06/16	12/05/16
22	0J810	SBD	330	30.7	39.3	8	Line culverts	City Creek, Schenk Creek, Little Mill Creek	N	N	NA	0.15	0	0	WPCP	E	12/01/15	10/01/15	06/01/16	12/30/17
23	0J850	SBD	138	R24.1	R24.1	6	Replace bridge	Horsethief Creek	Y	N	NA	2.1	0.04	16.7	SWPPP	E	11/14/11	10/18/13	07/01/14	05/01/17
24	0J990	SBD	018	49.10	51.60	8	Replace and repair damaged sidewalks, curbs & gutters	Big Bear Lake Knickerbocker Creek, Summit Creek and Rathbone Creek	N	N	NA	<1.0	NA	0	WPCP	E	06/27/13	07/01/15	04/13/16	09/18/17
25	0K292	SBD	010	32.90	R37.40	8	Replace concrete slabs (replace PCCP w/ JPCP)	Yucaipa Creek, Wilson Creek, Mill Creek, San Timoteo Creek	N	N	NA	20.0	1.2	4.3	SWPPP	E	09/13/11	10/20/15	01/25/16	01/24/18
26	0K400	RIV	079	7.60	8.40	9	Street improvements	Warm Springs Creek	N	N	NA	1.84	1.0	100	SWPPP	E	07/01/16	07/10/17	01/05/18	01/17/19
27	0K521	SBD	015	11.10	11.10	8	Construct master planned storm drain facility	Hawker-Crawford Channel	Y	N	NA	0.81	0	0	WPCP	E	10/15/15	02/10/16	09/16/16	05/31/17

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No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
28	0K710	SBD	015	14.00	16.40	8	I-15/I-215 Devore interchange improvement (design/build)	Santa Ana River, Reach 4	Y	N	Minimized	120	20	16.66	SWPPP	BS,MF,ID	02/29/12	10/05/12	11/13/12	06/12/17
29	0K841	SBD	-	-	-	8	Construct an office building in San Bernardino Mtce. yard	Warm Creek	N	N	NA	0.09	0	0	WPCP	E	06/15/15	09/18/15	06/01/16	12/15/16
30	0M530	SBD	018	34.04	34.04	8	Grind, pulverize, grade and repave yard, repair fence and gate at Running Creek Mtce. Station	South Fork Deep Creek	N	N	NA	0.6	0	0	WPCP	E	03/03/15	08/06/15	01/05/16	09/21/16
31	0N390	SBD	018	34.04	34.04	8	Replace gas house, sign, and shed with a warehouse	South Fork Deep Creek	N	N	NA	0.6	0	0	WPCP	E	09/15/16	01/06/17	04/17/17	10/17/17
32	0N540	SBD	62	32.7	33.5	7	Construct Sidewalk and handicap ramps	49 Palms Spreading Ground	N	N	NA	0.67	0.55	NA	WPCP	E	04/22/14	11/01/15	04/21/16	08/11/17
33	0N56U	SBD	040	94.70	99.70	7	Bridge replacement	Haller Wash, Rojo Wash, and Clipper Valley Wash	N	N	NA	17.2	NA	NA	SWPPP	E	11/28/12	02/28/14	01/22/15	12/17/18
34	0N720	SBD	210	10.83	12.41	8	Native tree planting and apply organic mulch	East Etiwanda Creek	N	N	NA	0.25	0	0	WPCP	E	12/15/09	01/13/10	01/12/11	12/30/16
35	0N800	SBD	15	1.87	2.73	8	Native tree planting & replace inert material	Day Creek	N	N	NA	0.25	0	0	WPCP	E	05/08/09	01/13/10	01/12/11	12/30/16
36	0P390	SBD	18	101.5	115.9	6	Shoulder Widening	Fremeon Wash, Sheep Creek, La Montain Creek	N	N	NA	27.8	10.5	30	SWPPP	E	12/01/15	03/28/18	10/04/18	10/16/20
37	0Q130	SBD	62	1.90	7.60	7	Construct raised median curb	Big and Little Morongo Creeks	N	N	NA	<1	NA	NA	WPCP	E	12/21/15	06/30/16	11/22/16	12/21/17
38	0Q160	SBD	62	30.70	32.88	7	Roadway widening (Streamline oversight)	49 Palms Spreading Grounds to Donnell Basin	N	N	NA	NA	NA	NA	SWPPP	NA	09/01/16	10/27/17	07/05/18	07/26/19
39	0Q300	SBD	138	17.10	19.20	6,8	Construct 2-lane & shoulders w/ 3 wildlife crossings	Tributaries to Cajon Creek	Y	N	Minimized	43.0	4.4	66.0	SWPPP	ID	09/30/14	10/31/14	04/18/16	07/31/18
40	0Q500	SBD	62	66.00	79.50	7	Place seal coat	Unnamed dry washes	N	N	NA	0.25	0	0	WPCP	E	10/27/11	10/25/14	03/26/15	07/01/17
41	0Q230	SBD	18	110.8	110.8	6	Signalize intersection and construct ADA ramps	Oro Grand Wash	N	N	NA	<1	NA	NA	WPCP	E	10/29/12	11/14/14	04/04/16	10/02/17

Table 6-1: District 8 Anticipated Project Development and Construction Schedule

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
42	0Q470	SBD	15	29.60	70.10	6	Place overlay and fog seal shoulders	Mojave River, Bell Mountain Wash	N	N	NA	<1.0	NA	0	WPCP	E	10/01/14	02/01/15	06/01/15	07/15/16
43	0Q753	SBD	60	R6.9	12.2	8	Pavement Rehab	Var. Local Conc. Channels	N	N	NA	0	0	0	WPCP	E	03/04/16	06/30/18	11/01/18	06/01/21
44	0Q790	SBD	40	93.1	94.2	8	Bridge Replacement	Hoff Wash	N	N	NA	6.0	0	0	SWPPP	E	04/25/14	02/15/16	06/03/16	11/08/17
45	0Q910	SBD	10	23.80	23.83	8	Bridge Rehab & Seismic Retrofit	Santa Ana River, Reach 5	N	N	NA	0.5	0	0	SWPPP	E	12/01/15	02/01/18	08/31/18	09/27/19
46	0R120	SBD	40	0.0	25.0	6	Regrade Existing Median Slopes	Mojave River	N	N	NA	268	0	0	SWPPP	E	04/16/15	08/31/16	12/30/16	12/31/18
47	0R130	SBD	62	16.75	25.20	7	Install two way left turn lanes & widen shoulders to 8 feet	Coyote Lake	Y	N	Minimized	8.7	4.56	18	SWPPP	E	04/17/15	11/16/15	09/21/16	02/13/18
48	0R150	SBD	40	R75	R100	6	Regrade Existing Median Slopes	Old Dad Wash, Badger Wash, Granite Wash, Marble Wash	N	N	Minimized	1200	0	0	SWPPP	E	01/31/19	06/30/20	10/30/20	07/29/22
49	0R220	SBD	18	T8.29	R17.70	8	Install Concrete Median Barrier	Waterman Canyon Creek	N	N	NA	0	0	0	WPCP	E	01/23/15	06/30/15	10/07/15	08/31/16
50	0R340	SBD	38	30.86	30.86	8	Bridge Deck Rehab	Santa Ana River	N	N	NA	0.6	0.14	7	SWPPP	E	12/11/15	08/30/17	02/08/18	03/21/19
51	0R380	SBD	40	154.51	0.624 (Nevada)	6	Replace Bridge Deck	Colorado River	N	N	NA	0.35	0	0	SWPPP	E	02/03/20	02/01/22	09/15/22	10/15/26
52	0R440	SBD	15	23.00	26.20	8	Install vegetation control underneath metal beam guard rail	Cajon Wash	N	N	NA	<1.0	NA	0	WPCP	E	08/28/14	06/30/15	06/30/16	07/28/17
53	0R470	SBD	10	6.30	7.00	8	Upgrade guardrail and roadside facilities.	Little San Gorgonio	N	N	NA	2.3	2.1	91	SWPPP	E	02/28/14	12/19/14	01/05/16	12/16/16
54	0R480	SBD	60	R3.40	R4.60	8	Install vegetation control under guardrail and relocate roadside facilities	Magnolia Storm Drain, San Antonio Avenue Storm Drain	N	N	NA	<1.0	NA	0	WPCP	E	12/17/14	10/09/15	11/10/16	09/22/17
55	0R510	SBD	15	7.50	8.70	8	Road side safety improvements. Install materials for access roads in existing landscaped areas	San Sevaine Basin	N	N	NA	<1.0	NA	0	WPCP	E	06/25/14	04/30/15	06/03/16	07/10/17
56	1A830	SBD	010	17.80	19.30	8	Highway Widening	Santa Ana River, Reach 4	Y	N	Minimal Impact	15.8	3.5	30	SWPPP	E	07/08/13	02/01/18	09/01/19	10/15/20

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
57	1C170	SBD	060	1.80	2.80	8	Relocate irrigation facilities to a safe location, install maintenance vehicle pullouts (MVPs), install vegetation control under guardrails and at gore points, and install maintenance access roads and gates	San Antonio Channel, 303(d) listed	N	N	NA	<1.0	NA	0	WPCP	E	09/08/15	06/30/16	03/29/17	12/15/17
58	1C180	SBD	060	0.00	1.86	8	Relocate irrigation facilities, install maintenance vehicle pullouts, install vegetation control under guardrails and at gore points, and install maintenance access roads and gates	San Antonio Channel, 303(d) listed	N	N	NA	<1.0	NA	0	WPCP	E	09/08/15	06/30/16	03/24/17	12/29/17
59	1C190	SBD	060	2.86	4.10	8	Relocate irrigation facilities to a safe location, install MVPs, install vegetation control under guardrails and at gore points, and install maintenance access roads and gates	San Antonio Channel, 303(d) listed	N	N	NA	<1.0	NA	0	WPCP	E	09/23/15	05/20/16	03/29/17	12/15/17
60	1C600	SBD	071	6.90	7.80	8	Sediment stabilization, erosion control (aka source control)	Chino Creek, Reach 1B, 303(d) listed	N	N	NA	1.0	NA	0	SWPPP	C	06/24/15	02/12/16	03/15/17	02/12/19
61	1C710	SBD	010	12.00	12.80	8	Modify existing drainage system	Etiwanda San Sevaire Channel	N	N	NA	<1.0	NA	0	WPCP	E	01/12/15	07/09/15	04/15/16	04/18/17
62	1C760	SBD	018	17.70	31.90	8	Mill & overlay	Sheep Creek, Mill Creek, North Fork City Creek, Strawberry Creek	N	N	NA	0.46	0	0	WPCP	E	11/17/14	02/02/15	06/04/15	09/01/16
63	1C910	SBD	095	57.20	80.50	7	Install ground-in rumble strips	Piute Wash and unnamed blue line Streams	N	N	NA	<1.0	NA	0	WPCP	E	01/27/15	05/15/15	03/11/16	02/24/17
64	1E010	SBD	015	37.80	40.20	6	Install outer separation barrier	Oro Grande Wash	N	N	NA	1.9	.52	27	WPCP	E	05/18/15	04/14/16	09/28/16	05/26/17

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
65	1E020	SBD	018	75.50	87.60	6,7	Install ground-in rumble strips	Unnamed surface water, Rabbit Lake	N	N	NA	<1.0	NA	0	WPCP	E	02/23/15	11/13/15	07/21/16	03/10/17
66	1E030	SBD	10	20.1	22.00	8	Modify Interchange @ Pepper Ave.	Santa Ana River Reach 4	NA	NA	NA	>1	NA	NA	SWPPP	C	04/16/15	05/27/15	01/16/16	09/11/17
67	1E040	SBD	018	T7.60	T7.75	8	Upgrade sidewalk, remove MBGR, reconstruct curb/driveways	East Twin Creek	N	N	NA	0.25	0	0	WPCP	E	10/02/15	03/15/16	05/25/16	08/22/16
68	1E080	SBD	018	88.80	89.60	6	Construct raised median curb	Desert Knolls Wash, Mojave River	N	N	NA	<1.0	NA	0	WPCP	E	07/28/15	07/05/16	03/17/17	09/07/17
69	1E710	SBD	010	31.60	31.90	8	IC improvement (streamline oversight)	City drains to Santa Ana River	N	N	NA	NA	NA	NA	SWPPP	NA	06/09/16	01/13/17	05/03/17	12/28/17
70	1E870	SBD	395	46.00	73.50	6	Cold plane & overlay mainline & shoulders & install centerline and shoulder rumble strips	Cuddleback Lake, Koehn Lake, unnamed Surface Water	N	N	NA	.69	0	0	WPCP	E	03/04/15	06/30/15	02/19/16	02/16/17
71	1E990	SBD	330	32.40	43.80	8	Install MGS guardrail	Mill Creek Reach 1, Lytle Creek	N	N	NA	0.58	0	0	WPCP	E	10/30/15	11/20/15	05/20/16	12/06/16
72	1F010	SBD	018	11.50	16.70	8	Install high friction surface treatment	East Twin Creek	N	N	NA	<1.0	NA	0	WPCP	E	09/17/15	07/19/16	02/15/17	09/14/18
73	1F460	SBD	330	R29.00	44.00	8	Mill & overlay	City Creek, East Fork City Creek, Schenk Creek, Little Mill Creek, Fredalba Creek	N	N	NA	0.46	0	0	WPCP	E	12/01/15	07/01/15	02/01/16	10/01/18
74	1F470	SBD	178	0.00	7.50	6	Cold in place pavement recycle	Searles Lake	N	N	NA	0.45	0	0	WPCP	E	04/02/15	02/10/15	06/13/15	09/11/17
75	1F490	SBD	247	24.00	78.00	6,7	Mill & overlay	Melville Lake, Soggy Lake, Lucerne Lake, Mojave River	N	N	NA	0.45	0	0	WPCP	E	12/31/14	10/01/15	04/01/15	10/03/17
76	1F520	SBD	040	0.00	R10.00	6	Mill & overlay	Mojave River, Daggett Wash, unnamed dry washes	N	N	NA	0.5	0	0	WPCP	E	10/26/15	09/01/15	04/01/16	10/10/17
77	1F530	SBD	015	70.10	75.30	6	Apply pavement preservation treatment	Mojave River	N	N	NA	<1.0	NA	0	WPCP	E	06/15/14	02/01/15	06/02/15	09/01/16
78	1F540	SBD	138	R15.20	R24.10	6,8	Rehab pavement	Upper Cajon Wash & Lytle Creek	N	N	NA	0.37	0	0	WPCP	E	06/15/14	02/01/15	06/01/15	09/06/17
79	1F580	SBD	018	103.90	115.90	6	Pavement preventive treatment	Unnamed tributaries	N	N	NA	0.25	0	0	WPCP	E	07/20/14	02/16/15	06/16/15	09/14/17

Table 6-1: District 8 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
80	1F630	SBD	040	R105.90	149.90	7	Replace AC with concrete overlay	Watson Wash, Homer Wash, Crestview Wash, Hacienda WashColorado River	N	N	NA	0.25	0	0	WPCP	E	09/30/15	10/01/15	03/28/16	10/31/16
81	1F900	SBD	018	58.80	73.40	7,8	Place centerline rumble strips	Baldwin Lake and other unnamed dry washes	N	N	NA	0.15	0	0	WPCP	E	09/11/15	05/02/16	10/17/16	08/17/17
82	1F910	SBD	038	8.50	15.00	8	Place centerline and shoulder rumble strips	Mill Creek, Mountain Home Creek, Skinner Creek and other unnamed washes	N	N	NA	0.15	0	0	WPCP	E	02/25/16	08/15/16	04/01/17	12/01/17
83	1G070	SBD	018	31.90	38.50	6,8	Cold planning & overlay	Deep Creek, Dry Creek, Fredalba Creek, North Creek	N	N	NA	0.12	0	0	WPCP	E	09/01/15	11/01/15	04/01/16	12/01/17
84	1G090	SBD	018	48.10	53.10	8	Pavement preventive treatment	Big Bear Lake	N	N	NA	0.15	0	0	WPCP	E	12/07/15	09/30/16	03/01/17	12/31/18
85	1G130	SBD	058	0.00	R13.00	6	Pavement preventive treatment	Rogers Lake and other unnamed dry washes	N	N	NA	0.15	0	0	WPCP	E	01/11/15	11/01/15	04/01/16	10/01/17
86	0071J	SBD	215	7.2	9.1	8	Highway Planting	Lytle Creek	N	N	Stabilizes Soils	RM	-	-	WPCP	E	12/21/12	07/01/14	10/15/17	10/29/21
87	0071H	SBD	215	6.6	7.2	8	Highway Planting	Lytle Creek	N	N	Stabilizes Soils	RM	-	-	WPCP	E	12/21/12	07/14/14	10/15/17	10/29/21
88	0071K	SBD	215	4.8	6.6	8	Highway Planting	Lytle Creek	N	N	Stabilizes Soils	RM	-	-	WPCP	E	12/21/12	10/22/13	10/15/17	02/29/21
89	3401U	SBD	138	2.30	15.20	6,8	Widen to 4-Ins from Phelan Rd to Jct. 15 and construct median	Freemont Wash, other unnamed Dry Washes	Y	N	Minimized	53.0	42.0	53.8	SWPPP	C	06/29/12	09/09/13	09/10/14	07/28/17
90	3555V	SBD	015	42.50	46.00	6	IC improvements	Mojave River	Y	N	Minimized	170.11	37.36	69.2	SWPPP	D,ID	06/08/15	08/30/15	11/05/15	02/27/20
91	35556	SBD	015	42.50	46.00	6	IC Improvement & Widen bridges	Mojave River	Y	N	Minimized	80.0	15.0	26.9	SWPPP	ID	06/30/08	01/30/14	11/05/15	06/29/18
92	35558	SBD	015	41.90	45.40	6	Gateway enhancements (retaining wall & bridge)	Mojave River	N	N	NA	<1.0	NA	0	WPCP	E	06/30/08	01/30/14	11/05/15	06/29/18
93	36851	SBD	015	87.10	181.1	6	Construct agricultural inspection facility (AIF) and demolish existing (CDFA) in Yermo - stage 2	Ivanpah Wash	N	N	Minimized	131	25.26	>20	SWPPP	ID	07/15/15	01/23/16	01/13/17	11/21/18

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
94	39471	SBD	018	66.60	67.20	6	4-yr plant establishment	Cushenbury Creek	N	N	NA	0	0	0	WPCP	E	10/15/10	03/07/11	06/25/12	08/08/16
95	4437L	SBD	210	14.80	16.30	8	Highway landscaping	Etiwanda San Sevaine Channel	N	N	NA	0.25	0	0	WPCP	E	05/18/09	04/30/10	03/02/11	05/15/17
96	4438L	SBD	210	16.30	18.30	8	Highway landscaping	Etiwanda San Sevaine Channel	N	N	NA	3.2	0.90	2.5	SWPPP	E	05/18/09	04/29/11	10/26/11	02/05/18
97	4439L	SBD	210	18.30	20.30	8	Highway landscaping	Lytle Creek	N	N	NA	1.0	0.80	2.2	WPCP	E	05/18/09	09/26/11	12/07/11	02/22/18
98	4440L	SBD	210	20.30	21.90	8	Highway landscaping	Lytle Creek	N	N	NA	2.14	1.0	1.3	SWPPP	E	05/15/09	04/24/12	06/08/13	07/20/18
99	44394	SBD	210	19.30	20.10	8	Construct compact diamond IC @ Pepper Ave	Lytle Creek	Y	N	Minimized	>5	NA	NA	SWPPP	C	07/13/15	12/24/15	12/29/16	02/13/18
100	44812	SBD	010	26.0	27.3	8	Construct WB Ramps @ Tippecanoe-Phase 2	San Timoteo Creek, Santa Ana River Reach 5	N	N	Minimized	16.2	-1.1	-5.2	SWPPP	BS-2	04/08/12	08/15/13	11/05/14	07/05/17
101	49710	SBD	015	6.30	7.10	8	Reconstruct IC	San Sevaine Channel	Y	N	Minimized	57.4	4.90	30.9	SWPPP	BS	09/30/11	12/31/13	06/04/14	09/14/16
102	0A020	RIV	215	14.80	16.20	8	Reconstruct IC	Salt Creek	N	N	Minimized	47.2	16.37	59.1	SWPPP	ID	05/02/11	10/05/15	04/04/17	09/07/18
103	0A490	RIV	015	10.30	10.90	9	Reconstruct IC	Murrieta Creek	N	N	Minimized	14.6	3.90	32.8	SWPPP	BS, ID	10/22/07	07/02/10	01/18/11	07/29/16
104	0F120	RIV	010	44.8	46.6	7	Construct new IC	Mid-Valley Stormwater Channel	N	N	Minimized	46.5	37.5	100	SWPPP	ID	04/03/17	02/01/18	07/16/18	11/08/19
105	0F541	RIV	091/71	R0.6	R2.6	8	Construct new connector	Santa Ana River, Reach 2 & 3, Aliso Creek, Wardlow Wash, Fresno Cyn Wash and Prado Basin	N	N	Minimized	29.3	8.1	25.0	SWPPP	D, BS	06/29/11	06/30/15	04/21/16	05/17/24
106	0G770	RIV	015	0.00	41.80	8,9	Install TMS field elements	Various	N	N	NA	30.3	0	0	SWPPP	E	05/04/16	01/05/16	01/05/17	11/15/18
107	0G780	RIV	215	8.40	38.50	8,9	Install CCTV, CMS, census stations, detections, hubs & fiber optic cable & connect existing ICC and ramp meters	Murrieta Creeks, Salt Creek, Warm Springs Creek, San Jacinto River and Santa Ana River (Reach4)	N	N	NA	15.0	0	0	SWPPP	E	04/29/15	02/27/15	03/02/16	10/31/17
108	0J080	RIV	15	36.8	51.4	8	Construct Exp. Lanes	Temescal Wash, Bedford Wash, Joseph Canyon Wash, County Flood Control	Y	N	Minimized	132	79	100	SWPPP	D	06/01/16	12/01/16	04/17/17	12/31/20

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
109	OJ440	RIV	215	17.40	19.30	8	Widen Newport Rd OC, reconstruct IC	Salt Creek	N	N	Minimized	35.0	6.3	26.5	SWPPP	BS	11/08/12	07/03/14	02/20/15	02/27/20
110	OJ610	RIV	015	36.10	37.64	6	Reconstruct IC, replace OC and realign road	Bedford Canyon Wash, Joseph Canyon Wash	Y	N	Minimized	32.1	8.8	48.0	SWPPP	BS,D,ID	07/01/09	12/31/16	06/19/17	07/01/20
111	OL190	RIV	79	R7.6	R8.0	9	Modify Benton Road Intersection	French Valley Creek	N	N	Minimized	3.06	1.63	20	SWPPP	BS	07/01/16	07/19/17	11/03/17	05/21/21
112	OL850	RIV	010	27.69	27.69	7	Construct check dam to protect bridge piers from scouring	Whitewater River	Y	N	Minimized	1.5	0	0	SWPPP	E	09/01/15	09/21/15	02/05/16	10/03/16
113	OM200	RIV	371	67.70	72.90	9	Construct 4' right shoulder in both directions	Cahuilla Creek	N	N	NA	15.4	5.2	33	SWPPP	BS,ID	12/20/12	12/23/13	01/28/15	10/31/16
114	OM280	RIV	371	67.70	72.90	6	Bridge Replacement	Wheaton Wash	N	N	NA	3.8	0.8	5	SWPPP	E	06/29/12	07/01/15	11/04/15	04/13/18
115	OM470	RIV	215	10.44	10.84	9	Install landscape and irrigation system	Unnamed tributaries to Murrieta Creek	N	N	NA	0.01	0	0	WPCP	E	07/30/12	12/13/12	09/12/13	09/29/17
116	OM590	RIV	60	20.0	22.0	8	IC Improvements	San Jacinto River	N	N	NA	54	13	35	SWPPP	E	07/31/17	09/01/18	02/24/19	12/16/20
117	ON780	RIV	015	51.00	51.90	8	Native tree planting & replace inert material	Eastvale Master Drainage Line	N	N	NA	0.25	0	0	WPCP	E	05/08/09	12/20/14	07/01/15	12/30/16
118	ON790	RIV	015	41.05	41.92	8	Native tree planting & replace inert material	Temescal Creek	N	N	NA	0.25	0	0	WPCP	E	05/08/09	11/30/14	07/01/15	12/30/16
119	ON810	RIV	015	51.92	52.28	8	Native tree planting & replace inert material	Eastvale Master Drainage Line	N	N	NA	0.25	0	0	WPCP	E	05/08/09	11/30/14	07/01/15	12/30/16
120	ON820	RIV	091	1.95	2.57	8	Native tree planting & replace inert material	Lake Elsinore	N	N	NA	0.25	0	0	WPCP	E	05/08/09	11/30/14	07/01/15	01/15/19
121	ON830	RIV	015	41.92	51.02	8	Native tree planting & replace inert material	Temescal Creek	N	N	NA	0.25	0	0	WPCP	E	05/08/09	11/30/14	07/01/15	12/30/16
122	OP100	RIV	60	21.4	28.9	8	Slope Stabilization	San Timoteo Creek & San Jacinto River	N	N	NA	0.41	0	0	WPCP	E	05/01/20	12/30/21	05/02/22	06/03/24
123	OP950	RIV	074	63.0	71.8	8	Rehabilitate Pavement	San Jacinto River	N	N	NA	0	0	0	WPCP	E	02/29/16	04/17/17	04/17/17	09/27/21
124	OQ120	RIV	18	99.45	100.95	6	Widen Roadbed & Construct Raised Curb Median	Mojave River, Oro Grande Wash	N	N	NA	2.42	1.88	15	SWPPP	E	06/30/16	02/16/17	08/06/18	11/04/19
125	OQ200	RIV	10, 15	VAR	VAR	7,8	Bridge protection	Isora Ditch, Cotton Gulch, Desert Center Ditch, Gavilan Wash	N	N	NA	0.97	0	0	WPCP	E	10/05/14	01/12/15	10/15/15	03/01/17

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
126	0Q220	RIV	215	14.10	15.26	9	Construct New IC	Warm Spring Creek	N	N	Minimized	56	26.3	50	SWPPP	TBD	10/05/14	01/12/15	10/15/15	03/01/17
127	0Q670	RIV	215	27.31	28.31	8	IC & Signal Modification	Perris Valley Storm Drain	N	N	NA	2.0	0.7	5	SWPPP	E	06/25/13	10/02/13	03/15/16	11/07/16
128	0R300	RIV	111	47.25	55.26	7	Reconstruct Sidewalks and Curb Ramps	Tributaries to Whitewater River	N	N	NA	3.46	0.45	3	SWPPP	E	06/30/16	06/30/18	10/08/18	10/07/19
129	0R310	RIV	74	11.76	R14.37	8	Reconstruct Sidewalks & Curb Ramps	Tributaries to Lake Elsinore	N	N	NA	2.16	0.66	5	SWPPP	E	07/15/16	06/30/18	10/30/18	10/30/19
130	0R350	RIV	10,111	16.14	152.86	7	Bridge Seismic Retrofit	San Geronio & Whitewater River	N	N	NA	1.12	0	0	WPCP	E	03/14/16	08/01/17	12/01/17	02/01/19
131	0R460	RIV	091	10.80	12.90	8	Improve worker safety conditions, upgrade guardrail and roadside facilities	Arlington Channel, La Sierra Channel	N	N	Minimized	<1.0	NA	0	WPCP	E	12/18/13	10/31/14	11/17/15	11/30/16
132	0R780	RIV	74	52.1	R92.0	7/8	Install Midwest Guardrail System	Strawberry Creek, Coldwater Creek, Herkey Creek	N	N	NA	0.98	0	0	WPCP	E	04/21/16	09/30/16	11/30/17	01/30/19
133	0R950	RIV	371	70.60	70.90	9	Construct left turn lane	Cahuilla Creek	N	N	NA	0.75	0.5	5.0	WPCP	E	10/07/13	07/15/14	02/22/16	02/16/17
134	1C050	RIV	079	R33.90	40.30	8	Pavement rehabilitation	Unnamed tributaries to San Jacinto River	N	N	NA	0	0	0	WPCP	E	06/01/14	02/01/15	06/01/15	10/07/17
135	1C091	RIV	060	12.20	22.10	8	Mill & overlay pavement	Santa Ana River, San Jacinto River, San Timoteo Creel	N	N	NA	0	0	0	WPCP	E	11/13/14	02/18/15	04/15/16	02/14/18
136	1C110	RIV	371	56.00	61.90	9	Place rubberized hot mix asphalt	Tule Creek, Hamilton Creek	N	N	NA	0.23	0	0	WPCP	E	06/08/14	01/23/15	06/01/15	12/01/17
137	1C140	RIV	015	4.83	6.45	9	Relocate roadside safety devices	Unnamed tributaries to Murrieta Creek	N	N	NA	0.85	0.70	2.0	WPCP	E	08/27/15	04/15/16	01/27/17	11/15/17
138	1C220	RIV	015	0.00	4.83	9	Relocate existing roadside facilities to safe work location	Murrieta Creek, Temecula Creek	N	N	NA	<1.0	0.62	1.0	WPCP	E	10/02/15	11/25/16	03/14/17	12/08/17
139	1C340	RIV	074	27.50	32.30	8	Apply pavement preservation treatment	San Jacinto River	N	N	NA	0	0	0	WPCP	E	05/14/12	12/01/15	06/01/16	12/19/17
140	1C350	RIV	074	32.30	36.50	8	Apply pavement preservation treatment	San Jacinto River	N	N	NA	0	0	0	WPCP	E	09/01/16	02/01/15	06/02/15	09/01/17

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141	1C400	RIV	215	22.33	43.24	8	Sealing bridge deck and damaged joints	San Jacinto River and Santa Ana River	N	N	NA	0	0	0	WPCP	E	01/06/14	01/07/14	04/04/16	12/01/16
142	1C460	RIV	111	50.00	56.20	7	Pavement reservation	Whitewater River	N	N	NA	0.41	0	0	WPCP	E	06/30/15	10/01/15	04/01/16	10/01/17
143	1C610	RIV	015	45.60	47.30	8	Sediment stabilization & erosion control	Santa Ana River, Reach 3	N	N	Stabilizes Soils	1.0	0	0	WPCP	E	06/30/15	02/12/16	04/12/17	03/13/20
144	1C640	RIV	060	0.00	12.20	8	Replace wireless communication system with fiber optic infrastructure & connect existing components	Day Creek, Etiwanda San Seivaine Channel, Santa Ana River Reaches 3 and 4	N	N	NA	0.1	0	0	WPCP	E	07/23/15	07/21/16	05/25/17	10/01/18
145	1C740	RIV	074	43.3	43.3	8	Install traffic signals	San Jacinto River	N	N	NA	<1.0	0	0	WPCP	E	09/10/14	06/11/15	03/15/16	10/21/16
146	1C840	RIV	091	17.43	20.53	8	Pressure wash, spot blast clean and full paint bridge	Etiwanda San Seivaine Channel, Santa Ana River Reach 3	N	N	NA	0	0	0	WPCP	E	01/06/14	01/06/14	02/04/16	04/03/17
147	1E070	RIV	074	17.57	25.70	8	Construct raised median curb	San Jacinto River	N	N	NA	0.23	NA	<1	WPCP	E	10/27/15	10/17/16	05/25/17	06/25/18
148	1E100	RIV	079	33.90	33.90	8	Install traffic signal, add through-lane each direction and provide standard 8 foot shoulders.	San Jacinto River	N	N	NA	1.4	NA	>1	SWPPP	E	06/30/15	11/15/15	09/05/16	07/17/17
149	1E300	RIV	015	33.10	35.80	8	Install ramp metering systems	Temescal Wash	N	N	NA	0.25	0	0	WPCP	E	10/30/15	12/15/15	05/16/16	10/17/16
150	1E330	RIV	074	71.80	80.30	7,8	Rehab pavement	Garner Valley Wash, Palm Canyon Wash, Omstott Creek	N	N	NA	0.23	0	0	WPCP	E	07/01/13	02/14/14	06/01/14	08/23/16
151	1E650	RIV	060	0.00	7.50	8	Install double luminaire mast arms	Santa Ana River	N	N	NA	<1.0	NA	<1	WPCP	E	12/23/15	07/05/16	03/07/17	04/10/18
152	1E660	RIV	079	33.80	40.00	8	Install drainage inlets	San Jacinto River	N	N	NA	0.12	NA	<1	WPCP	E	06/25/15	10/16/15	10/04/16	07/05/17
153	1E860	RIV	010	74.00	105.0	7	Rehabilitate pavement	Hazy Gulch, Aquaduct Wash, Happy Gulch, Sad Gulch, Desperation Arroyo	N	N	NA	<0.1	0	0	WPCP	E	02/05/15	02/17/15	02/29/16	01/22/18
154	1F480	RIV	074	34.30	45.20	8	Install pushbuttons and countdown pedestrian signals	San Jacinto River	N	N	NA	<1.0	0	0	WPCP	E	12/23/14	04/06/15	02/24/16	11/01/16

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		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
155	1F500	RIV	111	6.00	18.40	7	Rehab pavement	Salton Lake	N	N	NA	0.21	0	0	WPCP	E	07/26/15	02/01/15	06/01/15	08/30/17
156	1F640	RIV	079	40.43	40.43	8	Bridge deck rehabilitation	Tributary to Nobel Creek	N	N	NA	0.1	0	0	WPCP	E	09/30/15	10/15/15	03/28/16	10/31/16
157	1F650	RIV	060	R0.54	16.35	8	Bridge deck rehabilitation	Tributaries to Santa Ana River and San Jacinto River	N	N	NA	0.25	0	0	WPCP	E	09/30/15	10/15/15	03/28/16	10/31/16
158	1F810	RIV	060	26.50	29.90	8	Install rumble strips and concrete barrier markers	Unnamed tributaries to Nobel Creek	N	N	NA	0.15	0	0	WPCP	E	10/22/15	02/01/16	09/15/16	05/15/17
159	1F850	RIV	371	60.20	67.70	8,9	Place rumble strips	Cahuilla Creek, Lake Riverside, Elder Creek, Hamilton Creek	N	N	NA	0.15	0	0	WPCP	E	04/03/17	08/17/16	09/03/18	03/01/19
160	1F860	RIV	243	0.7	28.3	7,8	Place rumble strips	Coldwater Creek, Logan Creek, Strawberry Creek, Black Mtn. Creek, Lake Fulmor, Smith Creek, Gilman Home Channel	N	N	NA	0.15	0	0	WPCP	E	09/29/15	02/01/16	08/01/16	08/04/17
161	1F870	RIV	015	23.80	33.40	8	Place shoulder rumble strips	Temescal Wash, Lee Lake & other unnamed washes	N	N	NA	0.15	0	0	WPCP	E	04/28/16	08/15/16	06/19/17	02/15/18
162	1F950	RIV	010	29.60	29.60	7	High friction surface treatment	Garnet Wash	N	N	NA	0.15	0	0	WPCP	E	03/01/16	08/15/16	04/01/17	12/01/17
163	1F980	RIV	215	17.50	17.50	8	Construct 4-lane bridge OC	Paloma Wash Channel	N	N	NA	NA	NA	NA	SWPPP	TBD	08/19/16	04/04/17	01/20/17	06/29/18
164	1G020	RIV	091	15.60	15.60	8	Install curb ramps, push buttons	Riverside Canal	N	N	NA	0.15	0	0	WPCP	E	10/15/15	11/16/15	04/15/16	09/15/16
165	1G080	RIV	010	R134.30	R144.10	7	Pavement preventive treatment	Unnamed dry washes	N	N	NA	0.15	0	0	WPCP	E	08/02/15	11/01/15	04/01/16	10/01/17
166	1G100	RIV	074	36.50	42.60	8	Pavement preventive treatment	Hemet Master Drains	N	N	NA	0.15	0	0	WPCP	E	08/30/15	11/01/15	04/01/15	10/01/17
167	1G110	RIV	015	3.00	8.10	9	Pavement preventive treatment	Murrieta Creek, Santa Gertrudis Creek, Warm Springs Creek,	N	N	NA	0.10	0	0	WPCP	E	05/23/16	12/31/16	06/01/17	12/01/18

Table 6-1: District 8 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
168	1G120	RIV	243	13.30	29.70	7,8	Pavement preventive treatment	Black Mountain Creek, Indian Creek, Mellor Creek, tributaries to San Gorgonio River and Smith Creek	N	N	NA	0.15	0	0	WPCP	E	02/26/15	09/30/16	05/15/17	12/15/18
169	2600U	RIV	079	7.60	8.40	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
170	32302	RIV	060	18.10	18.80	8	Replace Nason Street OC bridge	Moreno Master Drainage Plan-Line 1 and Nason Basin	N	N	Minimized	31.13	2.20	12.13	SWPPP	BS	04/07/13	07/05/12	12/03/12	11/01/17
171	32840	RIV	91	11.50	12.10	8	Major Reconstruction	Santa Ana River Reach 4	Y	N	Minimized	25.70	3.21	10	SWPPP	BS	05/11/04	02/14/06	08/14/07	12/30/16
172	33487	RIV	215	39.70	43.00	8	Replacement planting, irrigation, booster pumps and inert material	Santa Ana River, Reach 4	N	N	NA	16.18	0	0	SWPPP	C	09/09/08	01/18/11	03/21/12	07/29/16
173	3348V	RIV	215	37.36	38.49	8	Replacement highway planting	Box Springs Canyon	N	N	NA	0.15	0	0	WPCP	E	09/28/12	10/09/13	04/22/14	01/26/18
174	38350	RIV	074	62.50	63.40	8	Replace Hurkey Creek Bridge	Hurkey Creek	N	N	NA	0.55	0.11	50	WPCP	E	06/29/12	07/29/13	10/10/14	07/03/17
175	44840	RIV	091	15.60	21.60	8	Construct 2 HOV lanes & modify IC's	Santa Ana River, Reaches 3 and 4	N	N	NA	89.58	25.45	30	SWPPP	BS,ID	08/30/07	12/28/10	02/10/12	07/15/16
176	0E150	RIV	015	46.7	49.7	8	Limonite IC Improvements	Santa Ana River Reach 3	NA	NA	NA	31	18	NA	SWPPP	C	03/04/16	03/10/17	07/31/17	11/30/18
177	0F540	RIV	091	0	11.55	8	Widen to add Lanes- Design-Build Project	Santa Ana River Reach 2 & 3, Wardlow Wash, Temescal Cr Reach 1	Y	Y	Minimized	321	100	NA	SWPPP	C	08/10/12	02/23/16	05/08/13	06/01/20
178	32781	RIV	215	12.1	13.1	9	Highway Planting	Murrieta Creek	N	N	NA	0.8	0.8	2	WPCP	E	06/04/12	11/14/12	08/24/12	04/23/19
179	34141	RIV	060	28.70	30.20	8	Construct new IC with 6-lane OC	Coopers Creek	N	N	Minimized	18.1	1.97	10.0	SWPPP	ID	01/31/13	05/02/16	04/01/17	03/28/19
180	34142	RIV	060	28.03	30.42	8	Construct Ramps & Loc. St Connections @ Portrero Rd, phase 2	San Timoteo Wash	Y	N	Minimized	54.6	20.75	NA	SWPPP	BS-5, D-1	03/01/13	05/31/16	01/13/19	02/28/22
181	0F162	RIV	215	15.5	27.90	8,9	Widen to add Lanes	Unnamed Washes, San Jacinto River	Y	N	Minimized	281	43.5	31.7	SWPPP	BS-34	04/13/11	05/07/12	09/12/12	11/15/18

Table 6-1: District 8 Anticipated Project Development and Construction Schedule

No.	EA	Project Location					Project Description ^{2,3}	Water Bodies Within or Adjacent to Project Limits ⁴	Dredge and Fill Activities (Y/N/NA) ⁵	Other Regional Water Board Permits Required ⁶	Potential and Actual Impacts of Project's Discharge ⁷	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD) ⁸	Post-Construction Treatment Control Type, Quantity ⁹	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
182	43230	RIV	015	3.00	4.00	9	@SR-79 South, IC Improvements	Murrieta Creek, Upper Santa Margarita River, Temecula Creek	N	N	Minimized	25	3.4	NA	SWPPP	BS-2, MF-1	10/08/09	08/25/15	10/16/16	06/19/18
183	47520	RIV	010	51.70	53.10	7	Reconstruct IC	Coachella Valley Stormwater Channel	N	N	Minimized	59.3	7.11	28.8	SWPPP	ID	05/01/13	04/21/14	02/10/15	03/15/17

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

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

Table 6-2: District 8 Anticipated Significant Road Maintenance Activities

No.	Co.	Route	Beg PM	End PM	Regional Board	Description	Water Bodies Affected ¹⁰	Other Regional Water Board Permits Required ¹¹	Potential and Actual Impacts of Project's Discharge ¹²	Disturbed Soil Area (acres)	Area of New Impervious Surface (acres)	Percentage of New Impervious Surface to Existing Impervious Surface	Description of Construction Controls (SWPPP/WPCP/TBD/NA) ¹³	Post-Construction Treatment Control Type, Quantity ¹⁴	Start Date	Completion Date
1	SBD	I-15	R25.9	53.3	6	Crack sealing, grader blankets, materials pass, SC-3000 and cinders; winter snow activities	Mojave River	NA	Minimized per approved SWMP	–	–	–	Per Maintenance Stormwater Handbook, quantity TBD	Per approved SWMP	7/1/16	6/30/17
2	SBD	SR-138	24.5	37.0	6, 8	Crack sealing, grader blankets w/SC-3000, culvert clearing, berm restoration, re-establish lateral support w/ imported material, winter snow and ice control	Silverwood Lake	NA	Minimized per approved SWMP	<1	–	–	Per Maintenance Stormwater Handbook	Per approved SWMP	7/1/16	6/30/17
3	SBD	SR-173	13.8	23.0	6	Crack sealing, grader blankets w/SC-3000, culvert clearing, berm restoration, re-establish lateral support w/ imported material, winter snow and ice control	Arrowhead Lake	NA	Minimized per approved SWMP	<1	–	–	Per Maintenance Stormwater Handbook	Per approved SWMP	7/1/16	6/30/17
4	SBD	SR-189	1.0	5.6	6	Crack sealing, grader blankets w/SC-3000, culvert clearing, berm restoration, re-establish lateral support w/ imported material, winter snow and ice control	Arrowhead Lake	NA	Minimized per approved SWMP	<1	–	–	Per Maintenance Stormwater Handbook	Per approved SWMP	7/1/16	6/30/17
5	SBD	I-15	R20.0	R29.5	6, 8	Winter snow activities, culvert clearing	Cajon Creek	NA	Minimized per approved SWMP	–	–	–	Per Maintenance Stormwater Handbook	Per approved SWMP	7/1/16	6/30/17
6	SBD	SR-18	44.3	52.7	8	Crack sealing, grader blankets w/SC-3000, culvert clearing, berm restoration, re-establish lateral support w/imported material, winter snow and ice control	Big Bear Lake	NA	Minimized per approved SWMP	<1	–	–	Per Maintenance Stormwater Handbook	Per approved SWMP	7/1/16	6/30/17

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

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

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

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

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

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

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

Table 6-3: District 8 Monitoring Activities

Statewide Monitoring Program Activities
<p>The District plans to:</p> <ul style="list-style-type: none"> • Continue Lake Elsinore/Canyon Lake water quality monitoring through TMDL Task Force. • Work with each Regional Water Quality Control Board within its jurisdiction, in conjunction with the State Board and the HQ Division of Environmental Analysis, to develop monitoring plans for other applicable TMDLs in which the District is named, as appropriate for Phase I or Phase II. Review and approve sampling and analysis plans in construction for CGP Risk Level 2 and 3 projects. • Inspect maintenance activities.
ASBS Core Monitoring Sites
<ul style="list-style-type: none"> • Not applicable to District 8
ASBS Ocean Receiving Water and Reference Monitoring Sites
<ul style="list-style-type: none"> • Not applicable to District 8

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7 Region-Specific Activities

Region-Specific requirements are not applicable to District 8.

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