

**California Department of Transportation
Stormwater Management Program
District 4 Work Plan**

Fiscal Year

2017-2018

CTSW-RT-16-316.11.1



California Department of Transportation
Division of Environmental Analysis
Stormwater Management Program
111 Grand Ave Oakland, California 94612

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

October 1, 2016



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**California Department of Transportation
District 4 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)]



Bijan Sartipi, District Director

District 4

8-4-16

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 4'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 current goals of District 4 include: implementing sustainable practices that provide a safe transportation system for its users and workers; delivering efficient quality transportation projects and preserving the State's environmental resources; implementing public outreach efforts; and working with local partners to develop watershed-based solutions that are cost-effective. The District plans to accomplish this by continuing to:

- Develop and implement best practices that result in full compliance with Caltrans' Conformed NPDES permit.
- Train staff on compliance requirements in the Construction General Permit (CGP) and updated Storm Water Quality Handbook guidance entitled "Project Planning and Design Guide."
- Maintain relationships with the Regional Water Quality Control Board(s) to meet our shared stormwater management goals by engaging in discussions that:

- Establish consistency in Caltrans' implementation of statewide practices for stormwater treatment and hydromodification control requirements for projects that require Clean Water Act Section 401 Water Quality Certifications and/or Waste Discharge Requirements.
- Implement sustainable on-site control measures that are: safe for our workers and the traveling public; cost-effective; and provide full and unambiguous compliance.
- Establish clarity on the equivalent water quality benefits required to set goals for alternative stormwater treatment compliance projects (ASTCP) that must be implemented when on-site treatment control measures are determined infeasible.
- Successful implementation of construction site risk assessment and water pollution control measures designed to minimize the risk for pollutant discharges into receiving waters as required by the CGP, including the electronic filing of the following documents onto the State Water Resources Control Board's Stormwater Multi-Application & Report Tracking System (SMARTS): (1) Project Registration Documents (PRDs); (2) Notice of Intent (NOI) and; (3) Notice of Termination (NOT).
- Coordinate with local partners to provide guidance in the project planning and design phases. Objectives are to comply with mandates that require the incorporation of on-site stormwater treatment and hydromodification control measures; and when practicable facilitate discussions with the Regional Water Quality Control Board(s) to develop ASTCPs.
- Coordinate with the San Francisco Bay RWQCB, the Bay Area Stormwater Management Agencies Association (BASMAA), and respective local municipalities that have to comply with municipal separate storm sewer systems (MS4) NPDES permit requirements to develop a strategy for compliance with Total Maximum Daily Loads (TMDL) requirements. The goal is to comply with TMDL requirements in Attachment IV of the Caltrans Conformed NPDES Permit in a manner that is consistent statewide.
- Coordinate with the North Coast and San Francisco Bay RWQCBs to ensure compliance with the region-specific requirements of the Caltrans Conformed NPDES permit:
 - **North Coast Region** – In order to address sediment sources within sediment impaired watersheds, Caltrans will prepare an inventory of sources of excess sediment and quantify the discharge or threatened discharge in the North Coast Regional Water Quality Control Board (NC-RWQCB).
 - **San Francisco Bay Region Trash Load Reduction** – Caltrans conducted a visual assessment in the field of 100 centerline miles of roadway and 886 highway ramps. The field assessment identified approximately 24.1 highway centerline miles and 116 highway ramps that generate very high and high trash quantities. Based upon the field assessment, Caltrans developed and submitted its proposed Trash Reduction Workplan for the San Francisco Bay Region in September 2015 and revised the Workplan in June 2016. The Workplan proposed the following three trash reduction strategies and provided a workplan to implement them. (1) source control (public education, increased street sweeping and litter removal, improved trash bin and container management); (2) structural control (increased storm drain cleaning, retrofit existing structural BMP, and installation of structural BMP) and; (3) cooperative implementation of full capture devices in partnership with local MS4s.
 - **San Francisco Bay Region Storm Water Pump Stations** – Caltrans will inspect and monitor the 62 inventoried pump stations in the San Francisco Bay Region. These inventoried pump stations were evaluated to determine which stations represented the

greatest probability for discharging runoff with low dissolved oxygen (DO) into the local waterway(s). In accordance with the Caltrans Conformed NPDES Permit, Attachment V-Part 2, Provision 2b, Caltrans inspected and collected DO data annually from 20 percent of the pump stations on the priority list. The inspection and monitoring results are reported in the Annual Report. Fiscal year 2017-2018 will be the fourth of five years in which inspection and monitoring have been conducted. Eighty percent of the pump stations on the priority list have been inspected and monitored for DO.

Reorganization: Construction Environmental Engineering Support Branch

In an effort to centralize functions of the Office of Water Quality Management and Mitigation, Construction Environmental Engineering Support (CEES) Branch was transferred from the Division of Construction to the Division of Environmental Planning and Engineering. The CEES Branch will provide all necessary technical environmental engineering support to projects in the construction phase to ensure compliance with the CGP, Caltrans Conformed NPDES Permit, project specific Clean Water Act Section 401 Water Quality Certifications, and successful delivery of construction projects.

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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).

Water Quality Program Manager

The District Water Quality Program Manager (Manager) is the Office Chief of the Office of Water Quality and Mitigation. He supervises the Stormwater Coordination Branch, the Water Pollution Control Branch, the Water Quality Permits Branch, and the Erosion Control Branch. The Manager is in charge of all stormwater activities in the District. The Manager is also accountable for establishing an effective water quality/stormwater program and maintaining a liaison with Headquarters and District Program Managers (Division Chiefs) for the purpose of effective communication, collaboration, and coordination of stormwater activities.

The responsibilities of the Manager are as follows:

- Direct District operations regarding water quality and stormwater.
- Align District efforts to interpret, implement, and comply with the Caltrans NPDES permit.
- Be the ultimate signatory authority in the District for all compliance documents and commitments regarding water quality and stormwater management.
- Work as the primary liaison on water quality and waste discharge issues between the District and Headquarters, the SWRCB, the RWQCBs, the U.S. Environmental Protection Agency, and other agencies.
- Arbitrate disputes and disagreements on policies, activities, assignments, and responsibilities regarding stormwater issues.
- Develop and establish the District's Public Education Program.

District Storm Water Coordinator

The District Storm Water Coordinator (DSWC) is the Branch Chief of the Storm Water Coordination Branch. Under the general direction of the Manager, the DSWC is responsible for developing District storm water quality policies and guidance, and daily management of the District Storm Water Program. The DSWC is responsible for identifying issues and developing recommendations related to storm water quality, regulated wastes, and other environmental issues that affect the District. The DSWC supervises the staff that supports and executes activities related to the DSWC and to the storm water program. The specific storm water tasks for which the DSWC is responsible includes the following:

- Provide guidance and direction for the preparation, development, and implementation of a comprehensive District Storm Water Program.
- Oversee activities related to the notification procedures for the reuse of lead contaminated soil in accordance with the variances issued by the Department of Toxic Substances Control (DTSC).
- Monitor and evaluate the stormwater activities and procedures of municipalities, developers, and other agencies that encroach upon or administer projects within Caltrans' ROW.
- Establish impartial and equitable decisions that benefit Caltrans in attaining the objectives of the Storm Water Program.

- Provide storm water quality language which is included in Design Project Reports.
- Prepare technical Water Quality studies to assess water quality impacts resulting from transportation improvements in compliance with the California Environmental Quality Act and/or National Environmental Policy Act (CEQA/NEPA).
- Prepare Storm Water Data Reports (SWDR), contract Plans, Specifications, and Estimates (PS&E) for inclusion of permanent erosion and sediment control measures, including permanent storm water treatment measures that are designed to improve or minimize a project's water quality impacts.
- Propose, develop, and manage storm water monitoring programs, in coordination with the Headquarters Environmental Program.
- Participate in the Design Storm Water Advisory Team (SWAT).
- Provide data for inclusion in the District Work Plan (DWP) and Annual Reports.
- Assist in development of training programs.

Water Pollution Control Coordinator

The Water Pollution Control Coordinator (WPCC) is the Branch Chief of the Water Pollution Control Branch. The WPCC is responsible for working closely with the DNC and the Erosion Control Coordinator (ECC) to incorporate water pollution control recommendations into the planning, design, and construction of all projects in the District. The specific storm water tasks for which the WPCC Coordinator is responsible include the following:

- Determine and evaluate stormwater impacts during CEQA/NEPA screening.
- Provide guidance in determination and evaluation of temporary impacts of construction activities upon stormwater during construction.
- Identify costs related to water pollution control, non-stormwater discharges, waste management, and de-watering activities on programming documents.
- Prepare contract PS&E for construction site water pollution control measures to comply with the CGP, and for additional project-specific control measures pertaining to handling and disposal of non-stormwater discharges, temporary stream crossings and temporary creek diversion systems.
- Prepare Storm Water Pollution Prevention Plans (SWPPPs), Permit Registration Documents (PRDs) and electronically filing Notice of Intent (NOI) for obtaining coverage under the CGP prior to beginning construction.
- Assist the District Encroachment Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications.
- Participate in the Design SWAT.
- Provides water quality language to be included in the Project Report.

Water Quality Permits/ NPDES Coordinator

The Water Quality Permits (WQP) Coordinator is the Branch Chief for the Water Quality Permits Branch. The WQP Coordinator is responsible for providing technical assistance to guide staff in resolving water quality permitting issues and concerns related to project development design, construction and maintenance with respect to Caltrans compliance with the statewide NPDES Permit and project-specific permits from the RWQCBs and/or other resource agencies. The WQP Coordinator provides functional unit support to Project Managers, Project Engineers and other District and HQ functional units and Divisions for all phases of project activities, by providing support in obtaining project-specific permits from the RWQCB(s), and assisting with responding to enforcement actions from the RWQCBs.

The specific stormwater tasks for which the WQP Coordinator is responsible for include but are not limited to the following:

- Provides water quality permit language that is included in the Design Project Report.
- Prepares CWA Section 401 Water Quality Certification and/or Waste Discharge Requirements (WDRs) and Caltrans NPDES Permit applications.
- Act as the primary contact for the interpretation and implementation of the Caltrans NPDES Permit.
- Act as the focal contact to the RWQCB for any permitting requirements that may impact waters of the U.S. and/or waters of the state due to District 4 construction activities.
- Coordinate with Districts functional units to ensure environmental commitments in the project-specific 401 Water Quality Certifications are fulfilled.
- Coordinate with Resident Engineers and the DSWC to ensure permanent stormwater treatment control measures are built in accordance with the project plans, and document the as-built condition for treatment controls that will be included in the Integrated Maintenance Management System (IMMS) and into the Storm Drain System Inventory (SDSI).
- Coordinate with Caltrans' Statewide Water Quality Program members including Maintenance, Construction, Encroachment Permits, Hydraulics, Environmental Engineering, Geotechnical Engineering, and Right-of-Way.
- Serves as the focal point on stormwater management issues between the Districts (SWATs) as identified in the SWMP. Also, manages various Public Education activities within the District.
- Prepare the Annual Report that summarizes the stormwater activities for District 4 and ensure that the conditions of the stormwater permit have been met.
- Prepare the DWP annually in a manner that addresses future District goals and commitments in compliance with Caltrans' SWMP.

Erosion Control Coordinator

The Erosion Control and Mitigation Branch facilitates the incorporation of erosion and sediment control recommendations into the planning, design, and construction of all projects within District 4. The Erosion Control and Mitigation Branch Chief is the Erosion Control Coordinator (ECC) and responsible for working closely with the Water Pollution Control Coordinator (WPCC) and the District Storm Water Coordinator (DSWC) to incorporate erosion control recommendations into the planning, design, and construction of all projects in the District. The ECC also provides field support to Construction, Maintenance, and Permits. The specific stormwater tasks for which the Erosion Control Coordinator (ECC) is responsible include the following:

- Determine and evaluate stormwater impacts during CEQA/NEPA screening.
- Evaluate and recommend the vegetation-type for the permanent control and treatment control measures for addressing project stormwater impacts.
- Identify costs related to erosion control and on-site mitigation/restoration work on programming documents.
- Prepare and/or review the contract PS&E for inclusion of permanent and/or temporary erosion and sediment control measures that are designed to improve or minimize a project's water quality impacts.
- Prepare Notice of Terminations (NOTs). Upon completion of a project's construction, the ECC will electronically file the required supporting documentation that terminates coverage under the CGP.
- Ensure that reuse locations of soil-containing lead in accordance with variances issued by Department of Toxic Substances Control (DTSC) are not subject to erosion and are stabilized as part of project design.
- Assist the District Encroachment Permits Branch in evaluating encroachment permit application erosion control requirements.
- Conduct studies that explore options for improving water quality objectives on highway planting projects.
- Assist in development of training programs -especially training programs that are attributed to tasks performed by the Erosion Control staff.
- Participate in the Design SWAT.
- Provides Erosion Control language to be included in the Water Quality section of the Design Project Report.

The ECC acts as the liaison with the Headquarters Office of Landscape Architecture to develop, submit, review, and gain approval for all specifications and details related to erosion and sediment control. Furthermore, the ECC is the contact for the Headquarters Design Program in the approval or concurrence with specifications related to water pollution control related to erosion and sediment control.

Construction Environmental Engineering Support Coordinator

The Construction Environmental Engineering Support Coordinator (CEESC), a new unit, is responsible for reviewing and approving all District 4 Water Pollution Control Plans (WPCPs) and Storm Water Pollution Prevention Plans (SWPPPs). The CEESC will submit approved SWPPPs or other reports to the RWQCBs as requested.

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

Currently, the Construction Environmental Engineering Support Unit (CEES) provides technical environmental engineering support (water quality, hazardous/contaminated materials, health and safety, air quality and noise) for all District 4 construction projects. The CEES which was previously organized under the Division of Construction is now organized under the Division of Environmental Planning and Engineering.

Construction Storm Water Coordinator

Under the general direction of the Division of Construction (Construction), the Construction Storm Water Coordinator (CSWC) is responsible for developing storm water quality policies and guidance, and daily management of Construction's storm water quality program. The CSWC is responsible for the proper implementation of the SWMP and the DWP within Construction. The CSWC supervises staff, which implements the program requirements in the field during the construction phase. The specific tasks for which the CSWC will be responsible include:

- Work as the primary point of contact for stormwater issues during the construction phase.
- Develop and administer stormwater training for Construction staff.
- Track critical compliance milestones that occur before and during the course of construction.
- Conduct final project closeout inspections. The CSWC submits final project closeout inspection results to the WQPC, which provides RWQCBs with NOCC/NOT for SWPPP projects.
- Review SWPPPs and provide oversight inspections for SWPPP projects.
- Prepare and submit Illicit Connection/Discharge reports for Construction.
- Participate on the Construction SWAT identified in the SWMP and represent Construction in the Storm Water Management Committee (SWMC) meetings.
- Provide data for the Annual Report.
- Provides WQPC with Final SWPPP Close-Out report for NOCC documentation.

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

Maintenance Coordinator

The Maintenance Coordinator is responsible for communicating with the District Division Chiefs of Maintenance and the Maintenance Operation Team (MOT) regarding the proper implementation of maintenance related sections of the SWMP and the DWP. The Maintenance Coordinator reports all stormwater related maintenance activities to the SWMC. The specific stormwater tasks for which the Maintenance Coordinator is responsible include:

- Oversee maintenance activities to ensure compliance with environmental permits and the SWMP.
- Review, monitor, and evaluate BMP implementation and effectiveness for Maintenance activities.
- Coordinate stormwater training for District Maintenance staff.
- Oversee Vegetation Control Plan (VCP) compliance and prepare VCPS.
- Conduct Facility Pollution Prevention Plan (FPPP) inspections and prepare Facility Pollution Prevention Plans (FPPPs).
- Participate in the Maintenance SWAT as identified in the SWMP and represent Maintenance in the SWMC Meetings.
- Review SWDRs and other project reports for SWPPP projects to ensure compliance with Maintenance requirement as well as ensure maintainability of stormwater control measures upon completion of construction.

- Serve as the primary contact for Maintenance related activities with regulatory agencies.
- Provide data for the District Work Plan and Annual Report.

The Maintenance Coordinator is chairperson of the MOT 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 Maintenance Coordinator also serves as the conduit for information between the SWMC and maintenance offices, as well as the Headquarters Maintenance Program (especially the Maintenance SWAT as identified in the SWMP).

Right-of-Way Representative

The Right-of-Way (ROW) Representative is a member of the SWMC and is responsible for the following:

- Attend all SWMC meetings and report any ROW stormwater activities.
- Ensure that stormwater training is available to ROW Agents tasked with property inspection responsibilities.
- Ensure that regular property inspections include stormwater inspections.
- Maintain documentation of the inspection findings and corrective actions.
- Prepare a summary of completed stormwater property inspections for use in the Annual Report.
- Disseminate information and answer questions regarding Caltrans' stormwater policy to all ROW staff involved in stormwater inspections.
- Notify the SWMC and/or the DNC of discharges or situations that appear to be in gross violation of the Permit, the SWMP, and the DWP.
- Report instances where ROW may conduct construction activities that require the development of a SWPPP and related notification.
- Provide ROW information for water quality permit applications.

Engineering Services (Hydraulics) Representative

The Engineering Services (Hydraulics) Coordinator is a member of the SWMC and is responsible for providing information that is being planned, designed, and implemented on construction project as related to permanent hydrology control measures, except those related to erosion control. The Hydraulics Coordinator is responsible for providing input and review of the Annual Report and District Work Plans (DWP). In addition, the Hydraulics Coordinator also ensures:

- The management and staff of the Hydraulics Group are aware of the following information and activities:
 - The District Work Plan;
 - The implementation of various water pollution control strategies throughout the District;
 - Our commitments to minimize or prevent pollutants from being present in our discharges; and,
- The design processes used by the Hydraulics Group 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 Representative

The Public Affairs Coordinator is a member of the SWMC and is responsible for maintaining an effective public information program as specified in this DWP. The Public Affairs Coordinator is directly responsible for the following:

- Ensures publication of stormwater articles within District publications (e.g., newsletters).
- Provides incident information for spill reports, water quality permit applications, and other reports/notifications submitted to various agencies.
- Distributes the District's stormwater pamphlets.
- Develops and distributes public service announcements regarding stormwater.
- Ensures that stormwater information is available at miscellaneous events, such as county fairs and fleet week, for which Caltrans might be a participant.

Encroachment Permits Coordinator

The Encroachment Permits Coordinator, a member of the SWMC, is responsible for ensuring that the District Office of Permits complies with the Permit, the SWMP, and the DWP. The Office of Permits is responsible for issuing Encroachment Permits to local agencies, utility companies, and others (i.e., film production companies, marathon sponsors, etc.) that encroach into Caltrans' ROW for conducting construction, maintenance, or other activities necessary for their organization. The Encroachment Permits Coordinator ensures that all the activities by those permittees encroaching into Caltrans' ROW comply with the Project's Encroachment Permit, in a manner that is consistent with that required of Maintenance, Construction, and Design. The Encroachment Permit Branch also reviews the Storm Water Pollution Prevention Plan (SWPPP) and Water Pollution Control Plan (WPCP) for encroachment permit projects. The Encroachment Permits Coordinator is directly responsible for the following:

- Provide guidance on preparing Storm Water Data Reports (SWDRs) and Water Quality Study Reports (WQSRs), as well as review and approve SWDRs and WQSRs.
- Ensure the accuracy and adequacy of the stormwater workload allocations for each fiscal year and coordinate and track resource distributions, workload, and projects within the District.
- Assist the District's functional units in prioritizing, monitoring, tracking, and evaluating stormwater resources, activities, and operations.
- Implement a quality assurance and quality control (QA/QC) program for monitoring the activities of the District functional units, in order to ensure that the conditions of the Permit, the SWMP, and the DWP are implemented properly.
- Provides the 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.
- Work as leader and chairperson of the District Stormwater Management Committee (SWMC) as well as represent the District at the Stormwater Advisory Team meetings.

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

Table 2-1: District 4 Stormwater Personnel and Responsibilities

Staff Name	Title	Phone No.	E-mail	Responsibility
Hardeep S. Takhar	District Water Quality Program Manager/NPDES Coordinator	(510) 286-7182	hardeep_s_takhar@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Norman Gonsalves	District Stormwater Coordinator	(510) 286-5930	norman_gonsalves@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Kamran Nakhjiri	Water Pollution Control Coordinator	(510) 286-5664	kamran_nakhjiri@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Cyrus Vafai	Water Quality Permits Coordinator	(510) 286-5585	cyrus_vafai@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
David Yam	Erosion Control Coordinator	(510) 286-5662	david_yam@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Dragomir Bogdanic	District Construction Environmental Engineering Support Coordinator	(510) 622-0716	dragomir_bogdanic@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
John Muench	District Construction Storm Water Coordinator	(510) 286-5200	john_muench@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Susan Simpson	Maintenance Coordinator	(510) 286-4436	susan_simpson@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Gary Mears	Maintenance Coordinator	(510) 715-8474	gary_mears@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Nancy Bocanegra	Right of Way Representative	(510) 286 5420	nancy_bocanegra@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Sharon Patch	Hydraulics Coordinator	(510) 286-4869	sharon_patch@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.

Table 2-1: District 4 Stormwater Personnel and Responsibilities

Staff Name	Title	Phone No.	E-mail	Responsibility
Myeast McCauley	Public Affairs Coordinator	(510) 286-5522	myeast_mccauley@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Marisa Muliadi-Kleiber	Encroachment Permits Coordinator	(510) 622-0138	Marisa_muliadi-Kleiber@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.

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 Storm Water Program. It also includes delegation of signatory authority for key Conformed NPDES Permit and SWMP required documents.

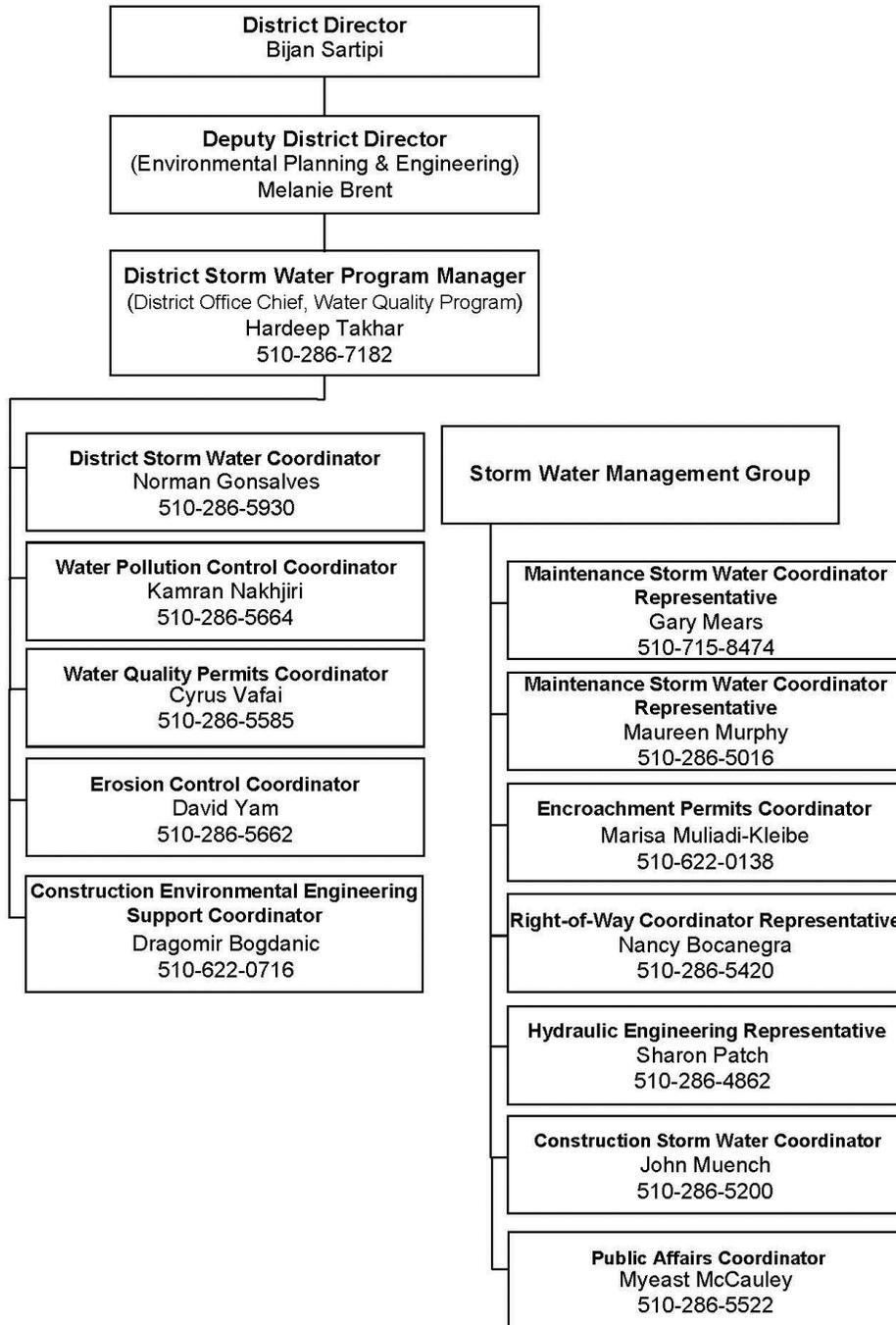
Table 2-2: District 4 Signatory Authority for Key Documents

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
Bijan Sartipi District Director	(510) 286-5900	bijan_sartipi@dot.ca.gov	All District Documents
Hardeep Takhar NPDES Coordinator	(510) 286-7182	hardeep_s_takhar@dot.ca.gov	All District Documents except District Work Plan
Norman Gonsalves Stormwater Coordinator	(510) 286-5930	norman_gonsalves@dot.ca.gov	All District Documents except District Work Plan
Kamran Nakhjiri Water Pollution Control Coordinator	(510) 286-5664	kamran_nakhjiri@dot.ca.gov	Completing and filing Notice of Intent (NOI) documentation for obtaining coverage under CGP
David Yam Erosion Control Coordinator	(510) 286-5662	david_yam@dot.ca.gov	Completing and filing Notification of Termination (NOT) documentation for terminating coverage under CGP
Dragomir Bogdanic Construction Environmental Engineering Support Coordinator	(510) 622-0716	dragomir_bogdanic@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification
Susan Simpson Maintenance Storm Water Coordinator and	(510) 286-4436	susan_simpson@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illicit Connection/Discharge (IC/ID)
Laura Horan Hazardous Materials Manager	(510) 286-4492	laura_horan@dot.ca.gov	
Marisa Muliadi-Kleiber Encroachment Permits Coordinator	(510) 622-0138	Marisa_Muliadi-Kleiber@dot.ca.gov	SWPPPs, NOC/NCC, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of IC/ID
Chris Wilson Environmental Engineering Coordinator	(510) 286-5647	chris_r_wilson@dot.ca.gov	Notice of Soil Reuse with Aerially Deposited Lead (ADL)
Resident Engineers	Various – project dependent	various – project dependent	SWPPP, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, NOC/NCC

Table 2-2: District 4 Signatory Authority for Key Documents

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
Nancy Bocanegra Right-of-Way Representative	(510) 286-5420	nancy_bocanegra@ dot.ca.gov	SWPPPs, NOC/NCC, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of Illicit Connection/Discharge
Gary Mears Maintenance Storm Water Coordinator	(510) 715-8474	gary_mears@ dot.ca.gov	Facility Pollution Prevention Plans (FPPP)

Figure 2-1: District 4 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 4 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 4 is presented in Table 4-1.

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

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
Route 128	Napa	2	Lake Berryessa	Lake Berryessa is used as a domestic water supply.	The tight curves and steep grades along this section of Route 128 deter truck traffic resulting in a reduced exposure to hazardous spills.
None	Alameda	2	Bethany Reservoir	Located in eastern Alameda County	Does not receive runoff from a state route
None	Alameda	2	Lake Chabot	Located in Alameda County	Does not receive runoff from a state route
None	Alameda	2	Lake Del Valle	Located in south eastern Alameda County	Does not receive runoff from a state route
Routes 84/680	Alameda	2	San Antonio Reservoir	Its purpose is to store water for the Hetch Hetchy Aqueduct and local wells and water sheds.	Located two miles from state route 084 and interstate 680.
Routes 24 and 13	Alameda	2	Lake Timescale	Located in the Oakland hills	Potentially received runoff from highways 24 and 13.
None	Alameda	2	Whitfield Reservoir	Open water storage facility	Does not receive runoff from a state route
None	Contra Costa	2	Briones Reservoir	Located two miles north of Highway 24 in Orinda	Does not receive runoff from a state route

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

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
Route 4	Contra Costa	2	Clifton Court Forbay	Located 1 mile south of Highway 4	Potentially received runoff from Highway 4
Route 24	Contra Costa	2	Lafayette Reservoir	Located just south of Highway 24 in Orinda	Potentially receives runoff from highway 24
None	Contra Costa	2	Las Vaqueros Reservoir	Located in south eastern Contra Costa County near the Alameda County Line	Does not receive runoff from a state route
None	Contra Costa	2	San Pablo Reservoir	Located two miles north of Highway 24 in Orinda	Does not receive runoff from a state route
None	Marin	2	Nicasio Reservoir	Located one mile east of Highway 1.	Does not receive runoff from a state route
Route 128	Napa	2	Lake Hennessay	Locate along Highway 128	Potentially receives runoff from route 128
None	Napa	2	Rector Reservoir	Located northeast of Yountville	Does not receive runoff from a state route
None	San Francisco	2	Laguna Honda Reservoir	Located in San Francisco	Does not receive runoff from a state route
None	San Francisco	2	Sunset Reservoir	Located in San Francisco	Does not receive runoff from a state route
280	San Mateo	2	Bear Gulch Reservoir	Located in the city of Atherton northeast of Highway 280	Potentially receive runoff from highway 280
280/35	San Mateo	2	Crystal Springs Reservoir	Located along Highways 280 and 35	Potentially receive runoff from highway 280 and 35
280/35	San Mateo	2	San Andreas Lake	Located along Highways 280 and 35	Potentially receive runoff from highway 280 and 35
17	Santa Clara	3	Almaden Reservoir	Located approximately 5 miles east of Highway 17	May receive runoff from highway 17
101	Santa Clara	2	Anderson Lake	Located 1 mile east of Highway 101	Does not receive runoff from any state route
680	Santa Clara	2	Calaveras Reservoir	Located 4 miles east of Highway 680	Does not receive runoff from any state route
101	Santa Clara	2	Calero Reservoir	Located 2 miles west of Highway 101	Does not receive runoff from any state route
101	Santa Clara	2	Chesbro Reservoir	Located 4 miles west of Highway 101	Does not receive runoff from any state route
101	Santa Clara	2	Coyote Lake	Located 2 miles east of Highway 101	Does not receive runoff from any state route
101	Santa Clara	2	Lake Cunningham	Located 2 miles east of Highway 101	Does not receive runoff from any state route
17	Santa Clara	3	Lake Elsmar	Located 2 miles east of Highway 17	Does not receive runoff from any state route
None	Santa Clara	2	Guadalupe Reservoir	Located in the mountains south of San Jose	Does not receive runoff from any state route
17	Santa Clara	3	Lexington Reservoir	Located adjacent to Highway 17	May receive runoff from highway 17
85	Santa Clara	2	Stevens Creek Reservoir	Located 1 mile west of Highway 85	Does not receive runoff from any state route
101	Santa Clara	2	Uvas Reservoir	Located 5 miles west of Route 101	Does not receive runoff from any state route

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

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
128	Sonoma	2	Lake Sonoma	Located in Geyserville just west of Highway 128	Does not receive runoff from any state route

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5 Slopes Prone to Erosion

Section 5 of the DWP identifies the road segments within District 4 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 4'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 4 Inventory of Road Segments Prone to Erosion

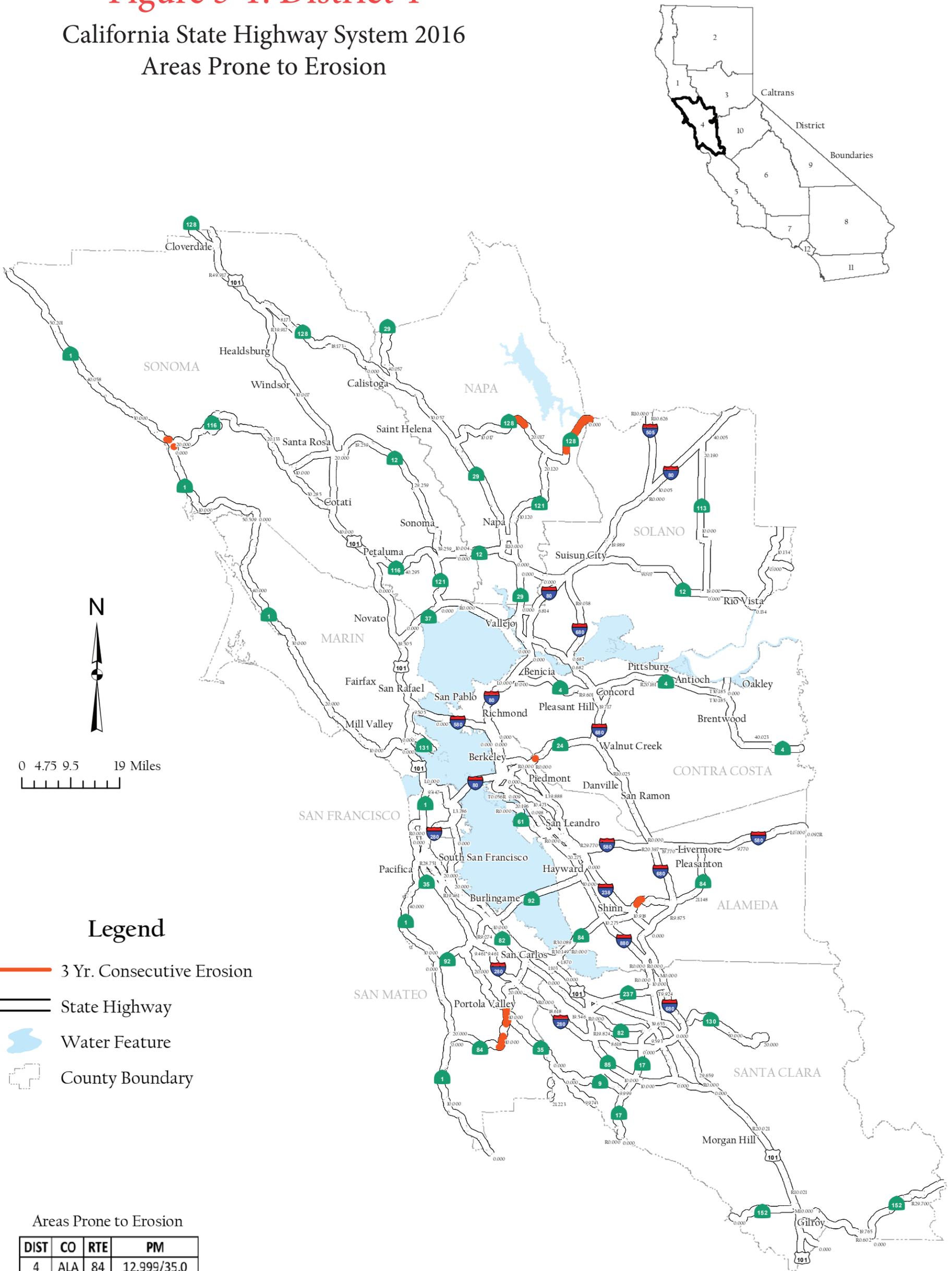
Road Segment	County	Regional Board	Watershed	Scheduled Stabilization Date
084	ALA	2	Alameda Creek	TBD
024	CC	2	Alameda Creek	TBD
128	NAP	1	Napa River/Putah Creek	TBD
084	SM	2	San Francisco Bay	TBD
128	SOL	1	Lower Putah Creek	TBD
001	SON	1	Gualala River	TBD
116	SON	1	Russian River/Russian Gulch/Gualala River	TBD
116	SON	1	Russian River	TBD

Figure 5-1 is a map showing California State Highway System areas that required maintenance within District 4 in 2016, including rock cut slopes, landslides, and moderate soil erosion.

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Figure 5-1: District 4

California State Highway System 2016 Areas Prone to Erosion



Legend

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

Areas Prone to Erosion

DIST	CO	RTE	PM
4	ALA	84	12.999/35.0
4	CC	24	R0.4/27.857
4	NAP	128	12.0/33.993
4	SM	84	R0.3/16.997
4	SOL	128	0.719/48.9
4	SON	1	21.201/21.6
4	SON	116	0.0/0.052
4	SON	116	9.5/9.6



State of California
Department of Transportation
Division of Maintenance GIS
July 29, 2016

NOTE:

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

MAP INFORMATION

Projection: Albers Meters NAD 83
Project Location: f:\gis\2016_Erosion_District04.mxd

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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 4 Anticipated Project Development and Construction Schedule

Phase	No.	Project ID	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
PAED	1	0415000315	4J280	SCL	082	9.8	14.4	2	Pavement rehabilitation.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	07/14/17	11/01/18	09/11/19	06/01/21	
PAED	2	0400000326	0G360	ALA	VAR	0	0	2	Improve Interchange.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	04/20/18	06/01/19	01/02/20	09/01/21	
PAED	3	0414000487	1A210	SON	037	2.6	2.6	2	Install Traffic Census Station with Weigh-In-Motion.	TBD	Y	N	Y	0.10	TBD	TBD	WPCP	TBD	04/01/18	04/01/19	12/30/19	10/30/20
PAED	4	0400020155	0A770	ALA	080	6.5	6.7	2	Modify Interchange.	San Pablo Bay Estuaries	Y	N	Y	0.18	0.17	<50	WPCP	C	10/01/17	08/28/19	10/01/19	01/01/22
PAED	5	0412000159	26980	CC	242	R0	R3.4	2	Pavement rehabilitation.	Berkeley Marina; San Francisco Bay-Central	TBD	TBD	TBD	5.6 to 7.3	3.9 to 5.4	70 to 74	SWPPP	BS (number TBD)	07/01/17	07/01/19	03/01/20	03/01/22
PAED	6	0412000310	4G210	NAP	121	0.75	0.75	2	Roadway widening.	Contra Costa County MS4	TBD	TBD	TBD	0.10	2 (all re-worked)	<50	WPCP	E	09/01/17	03/22/18	01/04/19	01/15/21
PAED	7	0412000446	4G320	SOL	080			2	Shoulder Improvement, Reconstruct Signal Intersection, Construct New Pedestrian Crosswalk.	Huichica Creek	Y	N	Y	0.50	0.05	100	SWPPP	BS (number TBD)	10/02/17	12/21/17	TBD	06/29/19
PAED	8	0413000350	0G642	MRN	001	28.5	28.51	2	Replace bridge.	TBD	TBD	TBD	TBD	1.80	TBD	TBD	WPCP (Erosivity Waiver)	TBD	08/15/17	02/15/19	10/16/19	12/30/19
PAED	9	0400002011	1G020	SM	082	13.7	13.7	2	Install left turn signal.	Coyote Creek	N	N	N	0.32	0.13	1%	WPCP	None	11/15/17	06/09/17	11/08/17	11/08/19
PAED	10	0413000206	1J560	SM	101	6.6	20.5	2	HOV Express Lanes on US 101 from Wipple Ave to the SM/SF County Line.	San Mateo Creek	TBD	TBD	TBD	33.50	12.2	2%	SWPPP	TBD	11/01/17	11/01/19	06/01/20	09/01/22
PAED	11	0413000210	4H460	SM	101	14.5	14.9	2	101/Peninsula Ave Interchange.	San Mateo Creek	TBD	TBD	TBD	7.40	0.25	1.70%	SWPPP	TBD	12/01/17	12/01/21	TBD	TBD
PAED	12	0414000029	0J710	SOL	080	4.43	4.43	2	Raise the O/C Vertical Clearance at Six Over-Crossings to Allow Over-Height, Military and Commercial Vehicles to Travel.	None	Y	N	Y	0.10	0	0	WPCP	None	01/01/18	05/01/19	06/01/20	06/01/21
PAED	13	0415000006	2J830	ALA	080	1.9	4	2	Upgrade/Replace Transportation Management System elements.	Mountain House Creek	N	N	N	0.10	0.02	1%	WPCP	None	06/01/18	03/12/18	04/08/20	07/01/21
PAED	14	0415000075	3J050	ALA	580	30.81	46.46	2	Install and upgrade Transportation Management System elements.	Corte Madera Creek	TBD	TBD	TBD	0.20	0.1	0.10%	WPCP	None	04/16/18	04/15/20	12/11/20	11/15/21
PAED	15	0415000080	3J060	SM	101	16.5	23	2	Pavement Preservation (CAPM).	SF BAY	TBD	TBD	TBD	0.00	0	0	WPCP	None	04/02/18	10/01/19	04/29/20	05/01/21
PAED	16	0415000191	3J740	NAP	121	14.8	14.8	2	Install rock bolts and flexible cable mesh to mitigate rockfall.	Suisin Creek	N	N	N	0.00	0	0	WPCP	None	07/31/17	07/07/17	05/11/18	11/03/23
PAED	17	0415000250	4J060	SM	001	32.3	32.3	2	Repair Box Culvert Remove RSP and Soil from the Box Culvert.	San Gregorio Creek, Pacific Ocean	TBD	TBD	TBD	0.20	0	0	WPCP	None	03/07/18	04/22/19	07/23/19	10/03/23
PAED	18	0415000344	4J420	MRN	101	0.2	0.2	2	Install Flood Gates and Modify Box Culvert.	NA	TBD	TBD	TBD	NA	NA	NA	NA	NA	05/21/18	07/08/19	10/07/19	12/19/23
PAED	19	0400020007	0G680	SON	121	3.4	6.5	2	Widen RDWY and Shoulders to STD Widths and Install Median and Shoulder Rumble Strips.	Matadero Creek	TBD	TBD	TBD	NA	NA	NA	NA	NA	12/29/17	12/31/19	12/17/20	12/31/21
PAED	20	0400020738	2G350	SCL	280	18.6	18.6	2	Install Traffic Signals.	Matadero Creek	TBD	TBD	TBD	0.30	0.2	1%	WPCP	None	02/15/18	02/21/18	08/15/18	12/18/19
PAED	21	0400021202	2G730	59V04	VAR	0	0	TBD	Install and/or upgrade existing curb ramps and pedestrian facilities to ADA standards.	NA	TBD	TBD	TBD	0.10	NA	NA	WPCP	TBD	10/02/17	04/01/19	12/10/19	11/02/20
PAED	22	0413000081	4H060	SOL	084	2	3	5	Bridge Preservation.	Sacramento River	TBD	TBD	TBD	0.85	0.1	1%	SWPPP	None	06/15/18	12/15/19	04/01/21	10/15/21

¹ Regional Board

² Supplemental Environmental Projects designated as "SEP."

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

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

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

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

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

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

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

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

Phase	No.	Project ID	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&E Date	PS&E Date	Start Date	End Date
PAED	23	0413000212	4H360	SM	101	21.4	21.6	2	Interchange for Safety Enhancements and Improve Traffic Operations of Produce Avenue and US 101.	TBD	TBD	TBD	NA	NA	NA	NA	NA	10/01/17	02/01/19	TBD	04/01/22	
PAED	24	0414000027	OJ700	SF	001	R0.7	5.9	2	Upgrade and interconnect traffic signals.	San Gregorio Creek, Pacific Ocean	N	N	N	NA	NA	1%	WPCP	None	12/30/17	TBD	TBD	TBD
PAED	25	0414000527	2J540	SON	001	24.3	24.4	1	Construct Soldier Pile Wall, and Rock Slope Protection.	Russian River Gulch	Y	N	Y	0.10	0.1	1%	WPCP	None	12/01/17	10/01/18	05/15/19	12/30/19
PAED	26	0415000034	2J800	SF	101	4.12	R4.25	2	Paint superstructure steel members.	SF Bay Central	N	N	N	0.10	0	0	WPCP	None	11/01/17	02/01/19	01/15/20	07/01/22
PAED	27	0414000003	OJ470	59V04	VAR	0	0	TBD	Crosswalk safety enhancements.	Corte Madera Creek	TBD	TBD	TBD	0.00	TBD	TBD	WPCP	TBD	07/01/17	07/01/18	04/23/19	10/01/19
PAED	28	0414000025	OJ680	59V04	VAR	0	0	TBD	Highway worker safety improvements.	Mark West Creek	N	N	N	0.00	0	0	WPCP	TBD	07/30/17	03/20/19	09/15/19	06/30/20
PAED	29	0414000202	1J360	SON	012	34.2	41	2	Pavement rehabilitation.	Sonoma Creek	TBD	TBD	TBD	0.00	0	0	WPCP	E	03/01/18	09/05/19	06/04/20	06/03/21
PAED	30	0414000412	2J000	CC	004	12.9	14.4	2	Install safety lighting, high reflective striping and markings.	Kirker Creek	TBD	TBD	TBD	0.00	0	0	WPCP	E	09/01/17	04/27/18	12/26/18	10/30/19
PAED	31	0414000523	2J500	SON	037	0.27	0.27	2	Restore eastern bridge approach settlement.	San Pablo Bay	Y	N	Y	0.01	0.01	TBD	WPCP	E	08/15/17	02/01/18	09/15/18	10/01/19
PAED	32	0415000009	2J820	CC	VAR	0	0	TBD	Construct maintenance worker safety improvements.	San Pablo Creek	TBD	TBD	TBD	0.00	0	TBD	WPCP	E	01/02/18	07/26/19	03/24/20	11/30/20
PAED	33	0415000010	2J740	SM	101	0.1	23.4	2	Replace Bridge Rail..	San Francisco Bay-Central (303d)	Y	N	Y	0.00	4.08	TBD	WPCP	E	12/01/17	06/01/19	12/04/19	11/20/19
PAED	34	0415000042	2J940	ALA	880	27.1	27.32	2	Install Outer Separation Type 60 Concrete Barrier.	San Lorenzo Creek	TBD	TBD	TBD	<1 Acre	TBD	TBD	WPCP	E	08/16/17	01/02/19	10/23/19	11/15/20
PAED	35	0415000090	3J130	ALA	VAR	0	0	2	APS Systems and Pedestrian Count Down Timers.	TBD	TBD	TBD	0.00	0	0	WPCP	E	10/13/17	11/29/18	03/01/19	05/12/23	
PAED	36	0415000091	3J140	CC	004	0	0	2	APS Systems and Pedestrian Count-Down Timers.	TBD	TBD	TBD	0.00	0	0	WPCP	E	04/01/18	06/27/19	03/10/20	12/31/20	
PAED	37	0415000099	3J190	ALA	VAR	0	0	2	Crosswalk safety enhancements.	San Lorenzo Creek	TBD	TBD	TBD	0.00	0	0	WPCP	E	02/15/18	02/15/19	11/01/19	12/02/20
PAED	38	0415000147	3J300	SF	001	6.3	6.3	2	Replace existing lighting system with LED lighting system.	Corte Madera Creek	TBD	TBD	TBD	0.00	0	0	WPCP	E	09/01/17	01/01/19	09/01/19	10/01/21
PAED	39	0415000221	3J890	SF	VAR	0	0	2	Crosswalk safety enhancements.	TBD	TBD	TBD	0.00	0	0	WPCP	E	01/15/18	07/15/18	01/07/20	09/01/20	
PAED	40	0415000222	3J900	SM	VAR	0	0	2	Grind Pavement.	Cordilleras Creek	TBD	TBD	TBD	0.00	0	0	WPCP	E	07/17/17	05/04/18	11/28/18	TBD
PAED	41	0415000338	2J750	SCL	280	R2.87	R17.8	2	Seismic Restoration.	Saratoga Creek	TBD	TBD	TBD	0.00	0	0	WPCP	E	02/27/18	04/11/19	02/28/20	01/04/21
PAED	42	0413000094	4H130	SCL	101	50.5	50.5	3	Construct Pedestrian/Bicycle Overcrossing.	TBD	Y	N	Y	TBD	TBD	TBD	TBD	TBD	03/14/18	12/19/18	TBD	12/16/20
PAED	43	0414000287	1J600	ALA	VAR	0	0	2	Crosswalk safety enhancements.	VAR	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	07/06/17	01/14/19	10/02/19	10/02/20
PAED	44	0400000769	28120	59V04	012	0	R0	2	Intersection Improvements.	Soskol Creek, Napa River	Y	N	-	10.00	TBD	-	SWPPP	BS, 4	07/15/17	09/06/19	03/15/20	12/15/21
PAED	45	0412000409	3G630	SCL	009	4.9	4.9	2	Replace bridge.	Bonjetti Creek, Saratoga Creek	Y	N	Hydromodification	2.10	2	-	SWPPP	C	02/19/18	08/13/19	10/19/20	10/19/22
PAED	46	0415000004	2J730	SM	101	7.13	7.13	2	Replace bridge.	Cordilleras Creek, San Francisco Bay Lower	TBD	TBD	TBD	2.00	0.35	< 50%	SWPPP	BS, 1	06/01/18	12/01/19	12/07/18	02/17/23
PAED	47	0415000016	2J720	CC	580	1.17	1.17	2	Bridge rehabilitation.	Steege Creek, San Francisco Bay Central	Y	N	Y	0.20	0.31	>50%	WPCP	C	06/01/18	04/01/19	05/18/20	12/01/19
PAED	48	0415000183	3J700	ALA	080	4.5	7.6	2	Install Median Concrete Barrier Type 60G and Median Lighting.	Codornices, San Francisco Bay Central	TBD	TBD	TBD	<1 ac	0	0	WPCP	N/A	02/01/18	10/30/19	09/01/20	08/01/21
PAED	49	0415000241	3J990	MRN	001	2.5	2.5	2	Repair slip out with RSP at Mill Valley, at West California Avenue.	Coyote Creek (Marin County)	TBD	TBD	TBD	0.10	0	0	WPCP	N/A	03/01/18	04/16/19	07/17/19	09/27/23
PAED	50	0415000244	4J020	SCL	017	3.1	3.1	2	Construct Rock Slope Protection and Repair Drainage System.	Lexington Reservoir	TBD	TBD	TBD	0.03	0	0	WPCP	N/A	03/01/18	04/16/19	07/17/19	09/27/23
PAED	51	0413000080	4H050	SON	012	25.8	33.3	2	Bridge Scour Mitigation.	TBD	Y	N	Y	0.83	TBD	TBD	SWPPP	TBD	06/01/18	03/01/19	11/15/19	12/31/20
PAED	52	0414000009	OJ520	ALA	580	8	8	2	Rehabilitate westbound structure.	Arroyo Las Pasitos	TBD	TBD	TBD	0.90	0.03	TBD	WPCP	E	01/01/18	05/01/19	02/03/20	05/02/22
PAED	53	0414000012	OJ550	ALA	084	17.2	17.2	2	Bridge scour mitigation and bridge rail upgrade.	-	TBD	TBD	TBD	-	-	-	-	-	06/01/18	03/15/20	02/25/21	10/15/21
PAED	54	0414000014	OJ570	MRN	001	33.4	33.4	2	Repair damaged embankment and construct retaining wall.	-	Y	N	Y	-	-	-	-	-	12/01/17	06/28/19	02/04/20	10/30/20
PAED	55	0414000256	3G860	SM	101	20.3	26	2	Add Auxiliary Lanes in Both.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	SWPPP	TBD	12/01/17	09/01/20	05/05/21	11/01/23

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

Phase	No.	Project ID	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
PAED	56	0415000005	2J760	ALA	880	27.23	27.23	2	Sub-Structure Rehab/Scour Mitigation.	TBD	TBD	TBD	TBD	TBD	TBD	SWPPP	TBD	07/21/17	09/06/19	12/06/18	04/17/21	
PAED	57	0415000008	2J810	ALA	880	4	11.3	2	Highway worker safety improvements.	-	TBD	TBD	TBD	-	-	-	-	01/02/18	05/01/19	12/20/19	07/02/20	
PAED	58	0415000077	3J070	CC	080	10.1	13.5	2	R/W Work \$33 K, Road \$11,000 K.	Rodeo Creek, San Pablo Bay, Carquinez Strait	TBD	TBD	TBD	TBD	TBD	TBD	TBD	01/02/18	07/01/19	04/01/20	04/01/21	
PAED	59	0415000088	3J110	ALA	VAR	0	0	2	Crosswalk safety enhancements.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	11/01/17	03/01/19	01/28/20	01/04/21	
PAED	60	0415000131	3J320	SCL	280	11.4	20.6	2	Pavement Preservation (CAPM).	San Francisquito Creek, Permanente Creek, Matadero Creek, Stevens Creek	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/01/17	03/01/19	10/08/19	12/01/21	
PAED	61	0415000246	4J040	SOL	680	1.9	2	2	Repair Slipouts on the Cut Slope along Southbound Rte 680.	Suisun Marsh Wetlands	TBD	TBD	TBD	TBD	TBD	TBD	TBD	03/01/18	04/16/19	07/17/19	09/27/23	
PAED	62	0400020124	1G120	SCL	280	4	10	2	High Speed Rail From San Jose to Merced.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/01/17	TBD	TBD	TBD	
PAED	63	0400020141	1G110	SF	101	0	0	2	High Speed Rail from San Francisco to San Jose.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/01/17	12/01/19	TBD	TBD	
PAED	64	0400020582	1G910	ALA	185	3.25	9.75	2	Reinstall and/or upgrade existing curb ramps and sidewalks to ADA standards.	TBD	TBD	TBD	TBD	TBD	TBD	WPCP	TBD	10/02/17	05/01/19	12/01/19	12/01/20	
PAED	65	0400020859	2G460	ALA	013	10.79	12.06	2	Upgrade curb ramps and repair sidewalks to meet ADA standards.	TBD	TBD	TBD	TBD	0.28	TBD	TBD	WPCP	TBD	04/01/18	08/30/19	04/24/20	03/01/21
PAED	66	0400021103	2G660	ALA	013	9.75	10.79	2	Upgrade ADA facilities.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	01/02/18	07/01/19	12/02/19	10/01/20	
PAED	67	0412000023	3G180	SCL	017	6.9	9.1	2	Install/Upgrade Curb Ramps and Pedestrian Facilities.	TBD	TBD	TBD	TBD	0.10	TBD	TBD	WPCP	TBD	05/31/18	07/17/19	06/10/20	05/18/22
PAED	68	0413000194	4H120	ALA	580	0	0	2	BART extension.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	02/28/18	03/01/19	01/31/20	10/18/21	
PAED	69	0413000408	0J100	SON	101	9	9	2	Repair slide.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	07/30/17	02/15/18	08/15/18	12/13/18	
PAED	70	0413000437	0J140	SM	092	6	6	2	Construct rock slope protection (RSP).	TBD	N	N	N	TBD	TBD	TBD	TBD	12/01/17	09/01/17	08/01/18	08/01/19	
PAED	71	0413000444	0J210	SM	001	0.3	0.3	2	Construct rock slope protection (RSP) and install drainage system.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	07/31/17	03/16/18	06/29/18	11/28/18	
PAED	72	0414000023	0J660	SCL	680	M0	M9.9	2	Construct maintenance worker safety improvements.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	09/07/17	10/01/18	07/15/19	10/30/19	
PAED	73	0414000024	0J670	59V04	VAR	0	0	TBD	Construct maintenance worker safety improvements.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	07/31/17	12/31/18	07/01/19	07/01/20	
PAED	74	0414000340	1A905	SF	001	6	6	2	Water quality improvements.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	08/01/17	04/02/18	01/10/19	12/31/19	
PAED	75	0414000476	0J642	SON	101	29.3	R54.3	1	Roadway rehabilitation.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	06/30/18	02/01/19	11/01/19	12/30/21	
PAED	76	0414000528	2J550	SON	101	33.5	33.5	1	Grouting, Steel Piles, and Regrading.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	07/17/17	01/15/18	09/15/18	10/01/19	
PAED	77	0415000040	29763	ALA	084	17.9	21	2	Widening from 2 Lanes to 4 Lanes and Interchange Modification.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	02/01/18	08/07/19	04/16/20	04/21/22	
PAED	78	0415000245	4J030	SCL	101	0.8	0.8	2	Inject foundation grout, construct rock slope protection, and install drainage system.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	03/01/18	04/16/19	07/17/19	09/27/23	
PAED	79	0415000329	17247	ALA	VAR	0	0	2	Environmental Mitigation (Site 2).	TBD	N	N	N	TBD	TBD	TBD	TBD	06/18/18	08/02/19	11/01/19	01/18/24	
PAED	80	0416000153	4G872	SOL	080	14.55	14.55	2	Scour Mitigation.	TBD	Y	N	Y	TBD	TBD	TBD	TBD	06/29/18	12/01/19	05/12/20	01/04/21	
PAED	81	0416000224	1K280	SCL	101	37	39	3	Widening Blossom Hill Overcrossing.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/19/17	TBD	TBD	TBD	
PSE	82	0400000129	0A020	SON	001	15.1	15.8	1	Realign Roadway.	Lagunitas Creek	Y	N	Y	1.5	0.18	100	SWPPP	BS (number TBD)	06/30/16	04/02/18	02/01/19	12/31/20
PSE	83	0400000343	0G660	SOL	084	12.1	12.2	5	Bridge Rehabilitation.	Scotty Creek, Pacific Ocean	Y	N	Y	12.6	5.3	>100	SWPPP	BS (number TBD)	07/29/16	05/01/18	03/19/19	12/31/21
PSE	84	0400000966	3A860	CC	680	R3.6	R4	2	Direct HOV Ramps at Norris Canyon Road.	Miner Slough	Y	N	Y	3.25 to 3.5	0.62 to 1.67	60 to 162	SWPPP	BS (number TBD)	12/29/16	07/01/17	01/01/18	03/01/19

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Phase	No.	Project ID	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
PSE	85	0400020132	2640F	SON	101	4	7.1	2	Construct HOV Lanes Including Sound Walls, Bridges, Median and Ramp Widening.	TBD	N	Y	TBD	TBD	TBD	TBD	TBD	10/29/09	09/07/17	04/01/18	12/31/20	
PSE	86	0400020584	4A441	SOL	080	4	4.9	2	Improve the Frontage Roads. Improve I-80/Redwood Parkway and RTE 37/Fairgrounds Drive Interchanges.	Petaluma River	N	Y	46.80	35.69	105	SWPPP	BS, 33	06/22/15	05/01/18	04/01/19	05/01/19	
PSE	87	0412000310	4G210	NAP	121	0.75	0.75	2	Roadway widening.	Rindler Creek; Blue Rock Springs Creek	N	Y	3.7	3.7	<50	SWPPP	C	09/01/17	03/22/18	01/04/19	01/15/21	
PSE	88	0412000332	4G080	SOL	080	11.2	29.3	2	Convert Existing HOV Lane to Express Lane PM 11.2/20.1 and Construct New Express Lane PM 20.1/29.3.	TBD	N	Y	139.00	TBD	TBD	SWPPP	TBD	12/31/15	11/01/17	08/01/18	12/01/20	
PSE	89	0412000446	4G320	SOL	080			2	Shoulder Improvement, Reconstruct Signal Intersection, Construct New Pedestrian Crosswalk.	Unnamed tributary to Laguna de Santa Rosa	N	Y	1.1	0.88 to 1.05	<50	SWPPP	BS (number TBD)	10/02/17	12/21/17	TBD	06/29/19	
PSE	90	0412000463	4G380	SON	116	31	31.3	1	Construct left-turn and merge lanes.	Yellow Creek; Sonoma Creek; San Pablo Bay	N	Y	9.09 to 9.36	2.0 to 5.37	38.5 to 110.5	SWPPP	C	06/30/16	12/01/17	08/01/18	12/01/19	
PSE	91	0412000557	3G900	SON	116	46	46.7	2	Intersection Improvement (Round About).	San Rafael Creek	N	Y	0.60	0.35	35	WPCP	C	11/09/16	11/30/17	08/15/18	10/15/19	
PSE	92	0413000049	4G820	MRN	101	10.6	10.9	2	Replace bridge.	Capell Creek and Lake Berryessa (approximately 9,915 feet (ft) downstream)	N	Y	2.0	0.34	>100	SWPPP	C	01/16/17	03/15/18	07/24/18	11/01/19	
PSE	93	0413000051	4G840	NAP	128	19.7	20.7	5	Bridge Rehabilitation.	Delta Waterways (central portion)	N	N	0.03	0	0	WPCP	E	06/16/16	02/01/18	12/31/18	12/31/21	
PSE	94	0414000535	2J590	CC	004	48.2	48.2	5	Construct retaining walls to repair storm damage slip-outs.	San Francisco Bay-Central (303d)	Y	Y	5.50	TBD	-	SWPPP	BS, 2; D, 3	03/03/17	04/27/18	01/04/19	10/31/19	
PSE	95	0413000097	4H080	ALA	238	R14.58	R14.58	2	Bridge maintenance.	TBD	N	N	TBD	TBD	TBD	TBD	TBD	09/30/16	04/25/18	03/22/19	03/25/20	
PSE	96	0413000351	4H980	MRN	101	4.75	5.6	2	Install concrete barrier.	TBD	N	N	TBD	TBD	TBD	TBD	TBD	04/15/17	03/15/18	12/12/18	08/01/19	
PSE	97	0412000434	3G820	CC	242	0.1	1.9	2	Construct an On-Ramp and Associated Acceleration Lane.	Pine Creek	N	N	17.00	17	51%	SWPPP	None	10/31/16	02/05/18	03/01/19	TBD	
PSE	98	0413000062	4G920	NAP	121	6.4	6.4	2	Repair bridge girders.	NA	N	N	NA	NA	NA	WPCP	TBD	10/14/16	01/31/18	12/07/18	06/03/19	
PSE	99	0415000006	2J830	ALA	080	1.9	4	2	Upgrade/replace Transportation Management System elements.	Mountain House Creek	N	N	0.10	0.02	1%	WPCP	None	06/01/18	03/12/18	04/08/20	07/01/21	
PSE	100	0415000191	3J740	NAP	121	14.8	14.8	2	Install rock bolts and flexible cable mesh to mitigate rockfall.	Suisun Creek	N	N	0.00	0	0.00%	WPCP	None	07/31/17	07/07/17	05/11/18	11/03/23	
PSE	101	0400000487	1A421	SON	116	19.4	19.4	1	Signalization of the Intersection of Route 116 and Mirabel Road (Phase I).	Jones Creek	N	N	4.14	??	??	SWPPP	TBD	10/24/13	12/01/17	06/01/18	12/01/19	
PSE	102	0400021211	2G690	MRN	001	0	0.8	2	Upgrade pedestrian facilities.	Coyote Creek, Richardson Bay	N	N	0.40	0.08	1%	WPCP	None	06/07/17	05/11/18	11/30/18	10/31/19	
PSE	103	0413000086	4G680	SCL	280	11.2	11.5	2	Ramp Improvements.	Stevens Creek	N	N	1.07	0.18	1%	SWPPP	None	11/01/12	01/22/18	12/28/18	01/03/20	
PSE	104	0400001180	4C130	SF	001	R0	R6.9	2	Rehabilitate roadway.	Pacific Ocean	N	N	0.50	0	0	WPCP	None	05/18/16	12/04/17	05/21/18	11/20/19	
PSE	105	0400020145	4S780	MRN	001	24.7	24.7	2	Replace culvert with a bridge.	Olema Creek	Y	Y	0.80	0.1	1%	WPCP	BS	07/05/11	11/03/17	07/07/18	12/30/21	
PSE	106	0400020738	2G350	SCL	280	18.6	18.6	2	Install Traffic Signals.	Matadero Creek	TBD	TBD	0.00	0.0023	TBD	WPCP	TBD	02/15/18	02/21/18	08/15/18	12/18/19	
PSE	107	0412000504	4G560	SOL	012	19.2	19.2	2	Install Traffic Light.	Round Hill Creek	N	N	0.50	0.5	10%(estimate)	WPCP	BS	01/02/17	01/24/18	09/01/18	09/01/19	
PSE	108	0414000329	1J700	ALA	123	2.8	2.8	2	Install Traffic Signal.	NA	N	N	NA	NA	NA	NA	NA	02/01/17	05/01/18	12/03/18	08/01/19	
PSE	109	0414000348	1J750	SON	001	22.48	22.48	1	Fire Damaged Tieback Retaining Wall.	Pacific Ocean, Russian Gulch	N	N	TBD	TBD	TBD	TBD	TBD	10/03/16	11/01/17	06/01/18	12/30/18	
PSE	110	0415000236	1G621	SM	101	8.1	8.6	2	Street Interchange Reconstruction.	Phelps Slough	Y	Y	18.83	2.14	14%	SWPPP	D, 5	09/25/15	08/03/17	07/01/17	10/01/18	
PSE	111	0400021007	1A100	SM	001			2	Construct Northbound and Southbound Off Ramp.	TBD	Y	Y	0.08	TBD	TBD	WPCP	TBD	12/01/16	09/25/17	03/01/18	06/01/19	
PSE	112	0412000131	27010	ALA	580	R30.8	R41.5	2	Rehabilitate pavement.	TBD	N	N	0.00	0	0	WPCP	TBD	07/29/16	12/29/17	10/31/18	12/31/20	
PSE	113	0413000058	4G880	ALA	880	10.7	10.7	2	Seismic Retrofit.	Crandell Creek; Coyote Hills Slough, San Francisco Bay - Lower	Y	Y	0.95	0	-	SWPPP	E	06/03/16	04/30/18	01/24/19	01/24/20	

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				Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
PSE	114	0414000123	1J010	ALA	880	20.902	20.902	2	Improve safety visibility by installing lighting and improving signs.	San Lorenzo Creek	N	N	N	0.00	0	0	WPCP	E	11/01/16	11/01/17	05/01/18	11/01/18
PSE	115	0414000412	2J000	CC	004	12.9	14.4	2	Install safety lighting, high reflective striping and markings.	Kirker Creek	TBD	TBD	TBD	0.00	0	0	WPCP	E	09/01/17	04/27/18	12/26/18	10/30/19
PSE	116	0414000523	2J500	SON	037	0.27	0.27	2	Restore eastern bridge approach settlement.	San Pablo Bay	Y	N	Y	0.00	0	0	WPCP	E	08/15/17	02/01/18	09/15/18	10/01/19
PSE	117	0414000544	2J670	ALA	238	R14.5	16.7	2	Install and upgrade safety lighting.	San Lorenzo Creek	N	N	N	0.00	0	0	WPCP	E	03/01/17	03/01/18	11/01/18	11/05/19
PSE	118	0415000222	3J900	SM	VAR	0	0	2	Grind Pavement.	Cordileras Creek	TBD	TBD	TBD	TBD	TBD	TBD	TBD	E	07/17/17	05/04/18	11/28/18	TBD
PSE	119	0416000148	0K840	CC	680	13.9	22.7	2	Install Lighting Along Median and Upgrade Median.	Walnut Creek	N	N	N	0.00	0	0	WPCP	E	04/13/17	03/30/18	10/25/18	10/25/19
PSE	120	0415000356	4J490	ALA	013	6.7	7.2	2	Outer Preparation Barrier.	San Lorenzo Creek	TBD	TBD	TBD	0.01	0	0	WPCP	E	04/28/17	05/04/18	02/06/19	02/05/20
PSE	121	0414000488	2J320	ALA	880	14.7	14.7	2	Install weigh-in-motion system in both directions.	San Lorenzo Creek	TBD	TBD	TBD	0.02	0	0	WPCP	E	06/29/15	03/01/18	12/03/18	10/01/19
PSE	122	0414000515	2J440	ALA	092	R4	R5.49	2	Install Safety Lighting and Upgrade Lighting.	TBD	N	N	N	TBD	TBD	TBD	TBD	TBD	03/17/17	03/01/18	10/01/18	11/01/19
PSE	123	0412000126	1G430	NAP	128	R7.4	7.4	2	Replace bridge.	Conn Creek, Napa River	Y	N	Y	1.20	0.46	>50%	SWPPP	BS, 1	10/05/15	10/02/17	07/30/18	07/24/20
PSE	124	0412000410	01350	59V04	080	7.8	8.2	TBD	Landscape and Restore Vegetation and Plants.	TBD	Y	N	Y	TBD	TBD	TBD	TBD	TBD	TBD	09/15/17	01/15/18	01/15/21
PSE	125	0413000462	0J380	CC	680	11.5	11.8	2	Repair slide.	San Ramon Creek, Walnut Creek	TBD	TBD	TBD	2.00	0.02	< 50%	SWPPP	N/A	03/31/17	04/01/18	02/07/19	12/01/19
PSE	126	0414000011	0J540	CC	024	R0.01	R0.01	2	Caldecott Tunnel 1, 2, 3 Rehab.	San Pablo Reservoir, Temescal Creek	TBD	TBD	TBD	0.10	0.06	<50%	WPCP	N/A	08/15/16	10/02/17	01/02/18	03/14/22
PSE	127	0414000529	2J560	MRN	001	0.3	0.3	2	Repair roadway slip-out.	Coyote Creek (Marin County), Richardson Bay	Y	N	Y	0.13	0.12	<50%	WPCP	N/A	06/30/17	05/11/18	11/30/18	10/31/19
PSE	128	0414000530	2J570	NAP	121	20.5	20.7	5	Embankment stabilization and culvert repair.	Capell Creek, Lake Berryessa	Y	N	Y	<1	0.04	<50%	WPCP	N/A	05/23/17	04/20/18	11/19/18	11/29/19
PSE	129	0412000153	3G690	SOL	080	13.9	13.9	2	Bridge Deck Replacement.	Dan Wilson Creek, Suisun Bay	Y	N	Y	0.60	0.03	<50%	WPCP	BS,1	12/15/16	11/01/17	05/08/18	12/01/18
PSE	130	0400000429	16030	ALA	084	13	13.6	2	Replace Bridge.	Alameda Creek (303d)	Y	N	Y	2.20	TBD	TBD	SWPPP	C	03/01/17	04/24/18	01/26/19	06/30/21
PSE	131	0400000740	26470	SCL	101	40.5	41.5	3	Modify Interchange.	Guadalupe River	TBD	TBD	TBD	15.60	6.5	<50%	SWPPP	BS, 21	03/11/16	08/03/17	08/16/18	05/13/20
PSE	132	0412000312	0A537	SOL	080	12.1	13.5	2	Construct the Connector from I-80 Westbound to I-680 Southbound.	Green Valley Creek, Dan Wilson Creek	Y	N	Y	38.50	TBD	TBD	SWPPP	TBD	10/25/12	12/01/17	07/20/18	06/01/20
PSE	133	0413000203	3G980	SCL	082	8.6	25.8	2	Integrate Bus Rapid Transit (BRT) Support Elements on State Route 82.	Los Gatos Creek, Guadalupe River, Saratoga Creek, Stevens Creek, Permanente Creek, Matadero Creek, San Francisquito Creek	N	N	N	TBD	TBD	TBD	TBD	TBD	12/05/16	10/02/17	06/14/18	07/02/19
PSE	134	0400000427	15531	ALA	238	11.2	R12.9	2	Right of Way Activities for Land Disposition of Hayward Bypass Properties.	TBD	N	N	N	TBD	TBD	TBD	TBD	TBD	12/01/16	10/01/17	TBD	TBD
PSE	135	0400020061	3A790	SOL	080	23	23.1	5	Realign Eastbound On and Off Ramps.	Laguna Creek, Alamo Creek, Ulatis Creek	TBD	TBD	TBD	7.24	4.64	<50%	SWPPP	D, 6	05/08/17	11/30/17	03/16/18	03/14/19
PSE	136	0412000335	1A683	ALA	880	28.6	29	2	Rehabilitate roadway.	San Francisco Bay, Central	N	N	N	TBD	TBD	TBD	TBD	TBD	02/15/11	04/15/18	11/28/18	11/01/19
PSE	137	0413000199	3G840	CC	004	20.1	20.1	2	Modify the Ramps at Interchange.	Suisun Bay	N	N	N	1.41	TBD	TBD	SWPPP	TBD	01/16/17	05/03/18	12/20/18	TBD
PSE	138	0413000402	2A251	SCL	152	0	6.2	3	Planting and environmental mitigation.	Bodfish Creek, Uvas Creek	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	02/04/13	02/08/18	08/31/18	04/02/19
PSE	139	0413000408	0J100	SON	101	9	9	2	Repair slide.	Petaluma River	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	07/30/17	02/15/18	08/15/18	12/13/18
PSE	140	0413000437	0J140	SM	092	6	6	2	Construct rock slope protection (RSP).	Adobe Gulch, Upper Crystal Springs Reservoir	N	N	N	TBD	TBD	TBD	TBD	TBD	12/01/17	09/01/17	08/01/18	08/01/19
PSE	141	0413000444	0J210	SM	001	0.3	0.3	2	Construct rock slope protection (RSP) and install drainage system.	Ano Nuevo Bay	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	07/31/17	03/16/18	06/29/18	11/28/18
PSE	142	0414000084	3E602	SF	101	6.7	8.1	2	Rehabilitate pavement.	San Francisco Bay, Central	N	N	N	TBD	TBD	TBD	TBD	TBD	03/11/16	11/29/17	07/01/18	12/01/20

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Phase	No.	Project ID	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
PSE	143	0414000162	4G000	SCL	101	36.1	40.37	3	Construct Interchange.	Guadalupe River, Coyote Creek (Santa Clara Co.), Coyote Creek (Santa Clara Co.)	TBD	TBD	TBD	TBD	TBD	TBD	TBD	04/06/17	05/09/18	02/05/19	01/09/21	
PSE	144	0414000340	1A905	SF	001	6	6	2	Water quality improvements.	Mountain Lake	TBD	TBD	TBD	TBD	TBD	TBD	TBD	08/01/17	04/02/18	01/10/19	12/31/19	
PSE	145	0414000528	2J550	SON	101	33.5	33.5	1	Grouting, Steel Piles, and Regrading.	Russian River	TBD	TBD	TBD	TBD	TBD	TBD	TBD	07/17/17	01/15/18	09/15/18	10/01/19	
PSE	146	0415000355	4J260	ALA	013	4.8	5	2	Plant establishment and biological monitoring.	Lion Creek, Horseshoe Creek	TBD	TBD	TBD	TBD	TBD	TBD	TBD	10/28/14	05/31/18	12/28/18	01/25/22	
PSE	147	0415000362	2G482	ALA	013	12.1	13.4	2	Upgrade Curb Ramps and Sidewalks.	Corte Madera Creek	N	N	N	<1	0.03	<50%	WPCP	TBD	02/01/16	05/30/18	03/29/19	09/27/19
CCA	148	0400002049	4A882	SON	128	17.1	24.7	1	Plant Establishment, Install Plants.	TBD	N	N	N	0.03	TBD	TBD	WPCP	TBD	TBD	04/20/11	03/22/12	12/01/17
CCA	149	0414000390	1J820	SOL	080	17.08	17.08	2	Upgrade electrical distribution system by replacing main distribution panel and adding sub distribution panels. Tie-In a new emergency Generator	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	09/30/16	12/15/16	05/02/17	05/16/18	
CCA	150	0400000027	0120T	SF	080	7.8	8.2	2	Construct and Remove Bridge, Roadways.	TBD	Y	N	Y	10.78	TBD	TBD	SWPPP	TBD	TBD	11/14/11	02/01/13	09/30/17
CCA	151	0400000684	23584	SM	101	16.3	16.9	2	Reconstruct Interchange Broadway IC.	Combined Sewer System	N	N	N	3.8	3.15 (2.9 of this within CT R/W, all re-worked)	100	SWPPP	E	03/24/11	08/30/13	07/17/14	01/25/18
CCA	152	0400020536	0G252	SF	080	4.9	5.9	2	New Bus Storage Facility Under I-80.	Temescal Creek	N	N	N	0.10	0	0	WPCP	E	03/01/15	07/29/16	TBD	12/31/17
CCA	153	0400020868	1SS02	ALA	013	8.3	8.3	2	Construct Tie Back Retaining Wall.	Green Valley Creek, Jameson Canyon Creek, Suisun Marsh Wetlands, Suisun Bay	Y	N	Y	35.10	8.1	-	SWPPP	BS, 1	12/03/12	10/19/15	04/05/16	02/28/18
CCA	154	0400021131	0A534	SOL	080	12	13.1	2	Reconstruct I-80 WB/SR WB Connector and Green Valley Rd Interchange.	Mill Gulch; Pacific Ocean	Y	N	Y	1.20	0.15	<50	SWPPP	BS, 1	10/25/12	01/31/13	04/09/14	12/29/17
CCA	155	0400021272	3G080	SON	001	30.5	30.5	1	Construct Soil Nail Walls.	City of Oakland MS4	N	N	N	0.22	0.04	<50	WPCP	E	06/26/14	06/22/16	12/01/16	12/30/17
CCA	156	0412000007	2G830	ALA	013	8.8	8.8	2	Repair Slope Slide with Soldier Beam Tie Back Retaining Wall.	Saratoga Creek	N	N	N	0.30	0.06	<50	WPCP	E	02/19/14	04/01/15	12/17/15	12/20/17
CCA	157	0412000010	2G960	SCL	009	4.64	4.64	2	Construct Retaining Wall.	Unnamed USGS blue-line; South Babb Creek; Silver Creek; Coyote Creek, San Francisco Bay-South	N	N	N	0.08	0.044	<50	WPCP	E	05/26/15	05/26/16	01/02/17	01/02/18
CCA	158	0412000012	2G990	SCL	130	5.6	6	2	Construct a soldier pile wall below the eastbound lane at PM 5.65.	San Francisco Bay-Central	N	N	N	0.00	0	0	WPCP	E	06/11/15	05/11/16	01/02/17	01/02/18
CCA	159	0412000042	3G442	SF	080	5.8	7.8	2	Replace Seismic Dampers on SFOBB West Span.	Booker Creek; Saratoga Creek; Los Gatos Creek	N	N	N	0.10	0.016	<50	WPCP	E	07/03/12	08/01/16	TBD	06/02/18
CCA	160	0412000162	1A340	SCL	009	3.6	11.4	2	Bridge Rail Replacement.	TBD	TBD	TBD	TBD	5.62	TBD	TBD	SWPPP	TBD	03/21/14	05/13/15	02/04/16	12/14/17
CCA	161	0413000365	0A081	CC	080	3.9	5.3	2	Construct Interchange, Pedestrian.	San Francisco Bay-Central	TBD	TBD	TBD	0.80	0.05	<50	WPCP	E	05/24/10	12/29/14	12/07/15	11/30/17
CCA	162	0415000182	01413	ALA	080	1.8	1.9	2	The purpose of this project is to complete the necessary seismic, fire/life safety system upgrades and overall building and site improvements to meet the current applicable code requirements for the new and intended use.	San Francisco Bay-Central	N	N	N	0.5	0.2 (barrier)	<50	WPCP	E	TBD	03/31/15	11/04/15	09/25/17
CCA	163	0400000678	23562	SM	101	0	3.6	2	Replace Bridge Structure at San Francisquito Creek BR #35-0013.	San Francisquito Bridge	Y	N	Y	2.43	0.16	1%	SWPPP	None	03/14/12	11/19/14	05/11/15	11/28/17
CCA	164	0400001984	0G390	CC	680	2.9	2.9	2	Construct an Additional Lane along NB Diagonal Off-Ramp and NB Diagonal On-Ramp.	NA	N	N	N	NA	NA	NA	WPCP	NA	10/15/14	03/01/17	08/01/17	01/01/18

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				Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
CCA	165	0400020638	2G250	CC	080	0.22	0.22	2	Install Traffic Signals and Changeable Message Signs (CMS).	Albany Marsh	N	N	N	0.08	0.02	1%	WPCP	None	01/25/13	08/05/16	06/07/17	11/09/17
CCA	166	0400020931	4A820	ALA	080	6.2	6.5	2	Storm Water Mitigation.	San Francisco Bay	N	N	N	0.50	0.5	1%	WPCP	BS, 1	11/26/13	03/18/14	10/02/14	06/30/18
CCA	167	0400020932	4A810	ALA	880	32.8	34	2	Storm Water Mitigation.	San Lorenzo Creek	N	N	N	3.00	2.4	11%	SWPPP	BS, 4	12/20/13	03/18/14	10/08/14	06/30/18
CCA	168	0412000091	3G301	CC	680	23.2	24.9	2	Replace Fog Horns, Radar Beacons and Navigational Lights at Various Toll Bridges.	NA	N	N	N	0.00	NA	NA	WPCP	NA	12/17/13	06/24/16	10/15/16	10/15/17
CCA	169	0412000480	4G460	MRN	101	0	0	2	Upgrade Bridge Rail.	Miller Creek, Corte Madero Creek, North Branch Gallinus Creek	Y	N	Y	0.25	0.25	1%	WPCP	None	09/13/13	04/16/15	03/03/16	07/01/17
CCA	170	0415000318	4J290	SCL	152	6.9	6.9	3	Install Single Lane Roundabout.	NA	TBD	TBD	TBD	NA	NA	NA	NA	NA	02/02/17	02/02/17	TBD	03/01/18
CCA	171	0400000743	26560	SM	001	40.4	41	2	Replace 2-Lane Bridge.	San Pedro Creek (303d), Pacific Ocean at Pacifica Beach (303d)	Y	N	Y	5.97	0.27	20%	SWPPP	BS, 6	10/31/11	06/17/13	03/24/14	04/01/18
CCA	172	0400000482	1A290	SON	012	9.6	9.6	1	Replace Bridge for Scour.	Laguna De Santa Rosa	Y	N	Y	3.20	0.55	-	SWPPP	BS, 1	06/25/10	10/12/12	03/24/14	04/30/18
CCA	173	0400001989	0G720	SCL	152	11.9	11.9	3	Upgrade Intersection and Install Traffic Signal.	Pajaro River	N	N	N	0.45	0.115	10%	WPCP	None	12/12/14	12/17/15	08/26/16	12/03/17
CCA	174	0400020581	29762	ALA	084	22.9	25.7	2	Expressway Widening – Segment 2 South Widen and Upgrade Existing SR 84 from Two to Four Lanes.	TBD	Y	N	Y	29.80	NA	NA	SWPPP	NA	09/04/08	12/15/14	10/20/15	12/01/17
CCA	175	0400020762	2G360	ALA	092	4.8	6.7	2	Replacement Planting and Irrigation.	San Francisco Bay	Y	N	Y	12.50	0.057	0.45%	SWPPP	None	TBD	10/31/13	10/20/14	06/01/18
CCA	176	0412000009	2G860	ALA	580	33.4	33.4	2	Re-Build Embankment.	NA	N	N	N	0.53	0.08	1%	WPCP	None	05/16/13	02/19/14	09/15/15	12/30/17
CCA	177	0412000084	3G484	CC	580	6.3	7.7	2	Clean and Paint Bridge.	San Francisco Bay North	N	N	N	0.00	0	0%	WPCP	None	07/03/12	07/01/13	06/01/14	02/01/18
CCA	178	0412000490	4G480	SON	101	33.5	43.4	1	Restore Freeway Signs, Eliminate Free Right Turn and Upgrade Lighting.	Russian River	N	N	N	0.20	0.2	1%	WPCP	None	09/28/15	11/15/16	07/01/17	12/01/17
CCA	179	0413000125	4G970	ALA	VAR	0	0	2	Pave beyond gore areas.	Sausal Creek	N	N	N	2.60	2.6	8%	SWPPP	BS	06/30/16	11/07/16	07/31/17	02/02/18
CCA	180	0413000147	4G960	SOL	080	1.1	R25.1	2 and 5	Install roadside safety improvements.	Rindler Creek, Suisun Creek	N	N	N	0.65	0.653	1%	WPCP	None	07/17/15	04/27/16	01/30/17	11/24/17
CCA	181	0413000221	2G362	ALA	092	R5.1	R5.8	2	Replacement Planting and Irrigation.	San Lorenzo Creek	Y	N	Y	5.73	0.24	3%	SWPPP	None	12/01/03	10/31/13	10/20/14	06/01/18
CCA	182	0413000234	4G990	SCL	085	2	4.5	2	Pave from Shoulder to Soundwall.	Canoas Creek	N	N	N	3.34	3.35	NA	SWPPP	NA	10/15/15	11/01/16	07/21/17	12/06/17
CCA	183	0413000235	4G950	59V04	VAR	17.8	41.1	TBD	Upgrade pump houses.	Silver Creek, Guadalupe River, Saratoga River, Los Gatos River, Stevens Creek, Permanente Creek, Matadero Creek, San Francisquito Creek	N	N	N	0.83	0.68	1%	WPCP	None	04/28/15	08/29/16	04/27/17	03/15/18
CCA	184	0413000236	4H000	SCL	101	28.5	40.7	3	Pave Areas Beyond the Gore and Collector Strips.	Guadalupe River, Coyote Creek	N	N	N	2.14	2.14	4%	SWPPP	TBD	12/31/15	01/13/17	07/14/17	10/15/17
CCA	185	0413000292	4H860	SCL	152	6.1	R35.2	3	Install rumble strips.	Coyote Creek, Pacheco Creek	N	N	N	0.00	0	0	WPCP	None	02/05/16	01/02/17	07/14/17	05/01/18
CCA	186	0414000028	44500	SCL	017	7.7	7.7	2	Install Weigh-In-Motion Systems in both directions and construct a maintenance Vehicle Pullout.	Los Gatos Creek	N	N	N	0.50	0.02	1%	WPCP	None	06/30/14	02/09/16	10/14/16	12/29/17
CCA	187	0414000432	2J150	CC	VAR	0	0	TBD	Replace Overhead Sign Panels.	NA	N	N	N	0.00	0	0	WPCP	None	02/27/15	06/08/15	02/18/16	10/02/17
CCA	188	0414000552	2J680	CC	580	0	4.8	2	Corridor Improvement.	NA	N	N	N	8.07	NA	NA	SWPPP	NA	TBD	07/05/16	10/15/16	09/18/17
CCA	189	0412000064	3G364	CC	580	6.1	7.8	2	Upgrade electrical substations at the Richmond-San Rafael Bridge (Bridge Number 28-100).	San Francisco Bay -Central (303d)	N	N	N	0.01	0	TBD	WPCP	E	06/30/13	06/24/16	12/15/16	12/15/17
CCA	190	0412000157	3G720	SON	VAR	R16	R19.6	TBD	Pave Gores and Construct Maintenance Vehicle Pullouts.	Mark West Creek	N	N	N	1.20	0	0	SWPPP	E	06/26/15	06/16/16	12/15/16	12/28/17

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				Co.	Route	Begin PM	End PM	RB ¹											PA&ED Date	PS&E Date	Start Date	End Date
CCA	191	0412000603	1SS44	ALA	880	19.3	19.3	2	Improve Drainage System. Construct Maintenance Access Road; and Reconstruct Irrigation System.	TBD	N	N	N	0.02	TBD	TBD	WPCP	TBD	12/24/14	06/06/16	01/23/17	10/31/17
CCA	192	0412000624	4G650	SM	001	4.2	4.4	2	Repair slipout.	TBD	Y	N	TBD	TBD	TBD	TBD	TBD	TBD	05/27/16	02/01/17	06/15/17	11/01/17
CCA	193	0413000299	3E790	SM	101	23.66	23.66	2	Spot Blast and Paint.	San Mateo Creek	N	N	N	0.00	0	-	WPCP	E	05/13/14	11/06/14	08/19/15	12/29/17
CCA	194	0414000057	2G502	ALA	VAR	0	0	2	Upgrade Transition Railing (Site Group #2).	Corte Madera Creek	N	N	N	0.21	0	TBD	WPCP	E	03/19/15	05/31/16	02/01/17	07/01/17
CCA	195	0414000064	2G521	ALA	VAR	19.4	46	2	Upgrade Transition Railing at Various Locations.	VAR	N	N	N	0.00	0	0	WPCP	E	01/07/14	03/13/15	10/15/15	10/02/17
CCA	196	0414000303	1J630	SCL	101	16	27.9	2 and 3	Replace PCC Slabs, Repair Joints, Resurface Mainline (CAPM).	Lower Coyote Creek	N	N	N	7.30	0	0	SWPPP	TBD	01/07/15	06/26/15	03/22/16	10/16/17
CCA	197	0414000431	2J140	ALA	013	0	0	2	Replace Overhead Sign Panels.	VAR	N	N	N	0.00	0	0	WPCP	E	01/30/15	05/18/15	03/16/16	09/15/17
CCA	198	0414000435	2J180	59V04	VAR	0	0	TBD	Replace Overhead Sign Panels.	VAR	N	N	N	0.00	0	0	WPCP	E	01/30/15	06/03/15	02/02/16	10/01/17
CCA	199	0415000086	4G551	SM	082	1.4	25.1	2	Install crosswalk safety enhancements.	San Mateo Creek	N	N	N	0.30	0	0	WPCP	E	12/18/14	01/29/16	08/17/16	12/29/17
CCA	200	0415000163	3J570	ALA	080	4.3	6	2	Replacement/Profile Grinding.	Angel Island	TBD	TBD	TBD	0.00	0	0	WPCP	E	11/30/15	09/29/16	03/30/17	12/30/17
CCA	201	0412000636	1SS59	MRN	580	2.7	2.7	2	Re-Grade Slope and Repair Down Drain.	TBD	N	N	N	0.51	TBD	TBD	WPCP	TBD	06/20/14	10/02/15	07/27/16	12/30/17
CCA	202	0400000819	2A400	ALA	185	5.7	10.6	2	Bus Rapid Transit.	Lion Creek, San Leandro Creek, Elmhurst Creek Culvert, Sausal Creek, Peralta Creek, Seminary Ave Drain, Arroyo Viejo Creek, 14th Avenue Creek Culvert	N	N	N	11.70	0	<50%	SWPPP	N/A	01/15/13	TBD	TBD	09/30/17
CCA	203	0400020569	4S920	SON	001	19.6	19.6	1	Construct retaining wall.	Russian River, Pacific Ocean	Y	N	Y	0.20	0.11	<50%	WPCP	N/A	05/28/12	10/20/16	04/26/17	12/30/17
CCA	204	0400021004	2G540	SCL	082	14.83	18.14	2	Drainage Improvements, Curb Ramp Upgrades, and Modify Traffic Signal and Lighting.	Guadalupe River, San Francisco Bay South	N	N	N	0.50	0.5	<50%	WPCP	N/A	01/02/13	06/10/15	01/26/16	12/20/17
CCA	205	0400021256	3G060	SOL	680	7.7	8.1	2	Construct drainage system.	Cordelia Slough	Y	N	Y	0.38	0.02	<50%	WPCP	BS, 1	04/02/15	09/30/15	11/04/16	12/01/17
CCA	206	0400021259	2G890	MRN	001	8.1	8.1	2	Construct Soldier Pile Wall with Tiebacks.	Pacific Ocean	N	N	N	0.37	0.4	>50%	WPCP	N/A	06/30/15	04/20/16	11/30/16	12/29/17
CCA	207	0400021271	3G070	SON	001	7.21	7.21	1	Place Rock Slope Protection.	Cheney Gulch, Bodega Harbor	N	N	N	0.06	0	<50%	WPCP	N/A	07/25/14	03/07/16	10/20/16	12/29/17
CCA	208	0412000483	4G510	SOL	080	31.4	32.6	5	Rehabilitate and replace bridges.	Sweany Creek, Gibson Canyon Creek	Y	N	Y	7.60	1.42	>50%	SWPPP	BS, 4	09/26/14	04/12/16	01/13/17	03/13/18
CCA	209	0413000124	1A200	SCL	152	R26.9	0	3	Install Traffic Census Station with Weigh-In-Motion.	Pacheco Creek	N	N	N	0.60	0.6	>50%	WPCP	N/A	06/11/13	01/26/16	10/14/16	08/01/17
CCA	210	0413000228	1SS41	ALA	013	4.9	4.9	2	Soldier Pile Retaining Wall with Tie-Backs.	Lion Creek, San Leandro Bay	N	N	N	0.49	0.28	<50%	WPCP	N/A	10/28/14	03/19/15	11/04/15	12/14/17
CCA	211	0400000309	0G090	ALA	680	2.5	7.5	2	San Francisco Public Utilities Commission (SFPUC) – Water System Improvement Program (WSIP).	Agua Fria Creek, Warm Springs Creek, Coyote Creek and San Francisco Bay Springs Creek, Coyote Creek, San Francisco Bay, Springs Creek, Coyote Creek, San Francisco Bay	TBD	TBD	TBD	5.50	0.04	<50%	SWPPP	N/A	06/17/09	12/30/11	04/01/13	11/30/17
CCA	212	0400001155	4A670	MRN	VAR	0	0	2	Install curb ramps.	Coyote Creek, Richardson Bay, Laguna de Santa Rosa San Francisco Bay, Lagunitas Creek, Corte Madera Creek-Frontal San Francisco Bay Estuaries, Corte Madera Creek-Frontal, San Francisco Bay Estuaries, Mark West Creek, Middle Russian River, San Pablo Bay, Napa River North	N	N	N	0.05	0	<50%	WPCP	N/A	06/30/13	04/11/16	11/21/16	10/15/17
CCA	213	0400021064	25941	NAP	029	25.5	28.4	2	Rehabilitate Roadway.	Napa River	N	N	N	7.00	4.6	<50%	SWPPP	BS, 12	06/29/07	03/21/14	04/02/15	08/01/17

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

Phase	No.	Project ID	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
CCA	214	0412000477	4G450	SOL	780	6.8	7.2	2	Replace Bridge.	Lemon Street Canal; Lake Dalwigk	N	N	N	2.30	0.42	>50%	SWPPP	C	04/25/14	05/06/16	12/27/16	12/27/17
CCA	215	0413000207	4H310	SM	101	0.9	0.9	2	Construct Pedestrian Overcrossing.	San Francisquito Creek, San Francisco Bay, South	TBD	TBD	TBD	0.50	TBD	TBD	WPCP	TBD	10/03/16	12/30/16	03/15/17	05/31/18
CCA	216	0414000398	1J950	SCL	880	0	0.7	2	Construct replacement highway planting including a three year plant establishment period.	Los Gatos Creek, Guadalupe River	N	N	N	7.80	TBD	TBD	SWPPP	TBD	07/25/11	TBD	11/11/16	08/15/17
CCA	217	0414000434	2J170	SCL	017	6	13.95	2	Replace Overhead Sign Panels.	Los Gatos Creek, Guadalupe River	N	N	N	0.00	TBD	TBD	WPCP	TBD	02/23/15	06/02/15	12/01/15	10/30/17
CCA	218	0400001129	4A380	SM	101			2	Construct Pedestrian Underpass.	Colma Creek, San Francisco Bay Lower	N	N	N	0.29	TBD	TBD	WPCP	TBD	04/07/08	11/01/16	05/01/17	05/01/18
CCA	219	0400000442	1637E	SF	101	8	9.8	2	South Access to Golden Gate Bridge Doyle Dr Replacement Project – All R/W Activities for Entire Project.	San Francisco Bay	Y	N	Y	TBD	TBD	TBD	TBD	TBD	01/28/09	06/01/09	10/01/09	08/15/17
CCA	220	0400020166	1637U	SF	001	8	9.8	2	Structure Rehab and Seismic Restoration of Tunnels and Viaducts Highway Planting.	TBD	TBD	TBD	42.00	-	-	SWPPP	-	01/28/09	05/01/12	08/01/12	08/15/17	
CCA	221	0412000082	3G482	SOL	680	0.7	0.7	2	Replace Seismic Joint Header.	TBD	TBD	TBD	-	-	-	-	-	TBD	TBD	TBD	07/03/17	
CCA	222	0412000227	2356A	SM	101	0	3.6	2	Replacement Landscaping.	TBD	N	N	N	12.60	TBD	TBD	SWPPP	TBD	06/04/12	03/28/13	10/03/13	11/02/17
CCA	223	0412000608	01352	59V04	080	8.6	8.85	TBD	Bridge Replacement: Remove Bridge and Salvage Bridge Elements.	TBD	Y	N	Y	1.20	TBD	TBD	SWPPP	TBD	07/11/01	03/20/14	04/17/15	03/28/18
CCA	224	0413000251	4H440	CC	004			TBD	Construct Mokelumne Trail Bicycle/Pedestrian Overcrossing.	TBD	TBD	TBD	0.00	TBD	TBD	WPCP	TBD	01/30/15	01/20/17	05/01/17	05/11/18	
CCA	225	0413000341	4H710	SM	001	29.1	29.6	2	Highway 1 Traffic Reduction and Safety Improvements, and Traffic Signal.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	01/31/16	01/31/17	06/01/17	12/31/17
CCA	226	0413000342	4H720	SM	001	27.3	28.5	2	Highway 1 Traffic Reduction and Safety Improvements.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/31/15	01/31/17	06/01/17	12/31/17
CCA	227	0413000403	2A252	SCL	152	0	5.2	3	Environmental species mitigation.	TBD	N	N	N	TBD	TBD	TBD	TBD	TBD	03/03/10	TBD	TBD	04/02/18
CCA	228	0414000054	4H222	ALA	580	R41.2	47	2	Rehabilitate pavement/curb ramps.	TBD	N	N	N	0.02	TBD	TBD	WPCP	TBD	05/09/14	03/25/15	09/15/16	09/07/17
CCA	229	0414000056	27205	SCL	280	7.5	11.5	2	Rehabilitate Existing Pavement On Ramps.	TBD	N	N	N	0.00	TBD	TBD	WPCP	TBD	12/31/13	03/24/15	12/11/15	10/18/17
CCA	230	0414000060	0J780	ALA	980	1.1	1.1	2	Replace Fire Alarm System.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	08/15/17
CCA	231	0414000190	1J320	SON	116	13.6	13.9	1	Construct Retaining Walls, Place RSP, Modify Drainage and Repair Roadway.	TBD	Y	N	Y	0.03	TBD	TBD	WPCP	TBD	03/02/12	07/03/14	04/05/16	12/29/17
CCA	232	0414000367	4G592	SM	280	9.4	9.4	2	Mitigation project.	TBD	N	N	N	TBD	TBD	TBD	TBD	TBD	01/09/15	07/20/16	TBD	08/15/17
CCA	233	0415000361	2G481	ALA	013	12.1	13.4	2	Upgrade Curb Ramps and Sidewalks.	TBD	N	N	N	0.40	TBD	TBD	WPCP	TBD	06/30/15	06/22/16	12/13/16	07/30/17
CCA	234	0415000402	4J710	CC	580	0	4.8	2	Prepare PS&E to construct bicycle and pedestrian lane on the (Upper Deck) westbound direction at the Richmond/San Rafael Br.	TBD	N	N	N	TBD	TBD	TBD	TBD	TBD	TBD	07/05/16	10/15/16	09/18/17
CCA	235	0416000004	4J790	SF	101	6.7	8.1	2	Bus and Pedestrian bulb at six intersections with landscaping at bus bulbs.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	05/02/16	09/01/16	01/02/17	06/01/18
CCA	236	0416000238	1K330	SF	101	1.77	1.77	2	Reconstruct bridge railing and sidewalk due to truck collision damage.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	08/15/17
CCA	237	0416000250	1K480	ALA	VAR	0	0	2	Remove and Dispose of Trees.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	08/30/17
CCA	238	0416000252	1K490	SM	001	47.2	47.2	2	Repair Eroded Slope with Rock Slope Protection.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	09/07/17
CCA	239	0416000265	4A620	ALA	238	5.48	6.06	2	Widen Roadway.	TBD	N	N	N	TBD	TBD	TBD	TBD	TBD	09/01/16	12/01/16	12/01/16	11/01/17

Table 6-1: District 4 Anticipated Project Development and Construction Schedule

Phase	No.	Project ID	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
CCA	240	0416000279	1K650	SM	001	36.2	36.2	2	Repair washout with rock slope protection (RSP) and provide traffic control.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	10/05/17
CCA	241	0416000298	1K340	ALA	185	3.2	3.75	2	AC Resurfacing, upgrade curb ramps.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	10/07/16	12/12/16	07/21/17	12/15/17	
CCA	242	0416000300	1K360	CC	004	16.8	17.8	2	Replace Failed Concrete Pavement.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	09/30/16	12/15/16	06/30/17	06/29/18	
CCA	243	0416000301	1K370	MRN	037	11.3	11.9	2	AC Resurfacing.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	09/30/16	12/15/16	06/30/17	06/29/18	
CCA	244	0416000315	1K790	SON	001	15.3	15.5	1	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	11/13/17
CCA	245	0416000321	1K840	59V04	VAR	0	0	TBD	Dead Tree Removal due to Drought.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	11/20/17
CCA	246	0416000351	2K040	SON	116	22.13	22.13	1	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	12/06/17
CCA	247	0416000392	2K230	SON	101	0.74	2.55	2	-	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	01/05/18
CCA	248	0416000395	2K250	59V04	VAR	0	0	TBD	Remove and Dispose of Trees.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	01/08/18
CCA	249	0416000433	2K510	MRN	001	14.47	14.47	2	Shift pavement.	Drakes Bay	TBD	TBD	TBD	0.17	0.16	TBD	WPCP	E	TBD	TBD	TBD	01/31/18

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 4 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	SON	12, 37, 101, 116, 128	VAR	VAR	1, 2	In Sonoma County on Routes 12, 37, 101, 116 and 128 at various locations. Replace joint seals, methacrylate the deck surfaces rebuild the middle exterior shear key with an adequate gap for the bridge movement, patch core holes and paint the bridge IDs.	Various	NA	NA	NA	NA	NA	WPCP	NA	05/08/17	04/24/18
2	ALA	185	3.32	3.75	2	In Alameda County In San Leandro From Ora Loma Bridge To Hesperian Boulevard. AC Resurfacing, upgrade curb ramps.	NA	NA	NA	NA	NA	NA	WPCP	NA	9/21/2017	12/18/18
3	MRN	131	2.36	2.44	2	In Marin County In Tiburon From Pine Terrace To McCart Court. Replace Walkway and Guardrail	NA	NA	NA	NA	NA	NA	WPCP	NA	4/3/2017	4/3/2018
4	ALA	61	15.1	15.1	2	At Eden Road AC Resurfacing on Connector Ramps	NA	NA	NA	NA	NA	NA	WPCP	NA	4/3/2017	4/3/2018
5	NAP	121	0 2.0	0.3 4.5	2	In Napa County on Route 121 from Sonoma County line to Route 29. Mill and Replace with RHMA Overlay	NA	NA	NA	NA	NA	NA	WPCP	NA	3/21/2017	12/12/17
6	MRN	131	2.7	3.0	2	In Marin County on Route 131 from Rockhill Dr to Gilmartin Dr. Pave shoulders and conform pavement to driveways.	NA	NA	NA	NA	NA	NA	WPCP	NA	4/3/2017	4/3/2018
7	ALA	80	4.3	6.0	2	In Alameda County on Route 80. Replacement / profile grinding of concrete slabs.	NA	NA	NA	NA	NA	NA	WPCP	NA	03/26/17	12/30/17
8	SF	101	6.7	8.1	2	Lombard Street- Van Ness Ave to Lyon Street. CAPM Resurfacing/curb ramps.	NA	NA	NA	NA	NA	NA	WPCP	NA	08/01/18	12/01/20
9	SF	1	0.0	6.9	2	San Mateo County Line To Ruckman Ave UC. CAPM Resurfacing/curb ramps.	NA	NA	NA	NA	NA	NA	WPCP	NA	05/21/18	11/20/19
10	SON	VAR	VAR	VAR	2	North of Montara to Route 280 in Daly City. CAPM Resurfacing/curb ramps.	NA	NA	NA	NA	NA	NA	WPCP	NA	05/31/17	09/02/19
11	SF	101, 280	VAR	VAR	2	In San Francisco County on Route 101 and 280 at Structures #34-0070 (280/101 IC), 34-0082 (Paulding St OC), 34-0079L (San Jose Ave UC), and 34-0074 (Alemany BLVD OC. Treat decks with methacrylate, replace expansion joint seals and paint bridge identification numbers on structures.	NA	NA	NA	NA	NA	NA	WPCP	NA	04/21/17	04/19/19
12	SOL	37, 80, 680, 780	VAR	VAR	2	In Solano County on multiple bridge along Routes 37, 80, 680, & 780. Treat bridge decks with methacrylate resin, replace expansion joint seals, repair loose concrete, clean bird droppings, and replace bird nets.	Various	NA	NA	NA	NA	NA	WPCP	NA	04/21/17	04/19/19

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.

Table 6-2: District 4 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
13	SM	1, 101, 114, 280, 380	VAR	VAR	2	In San Mateo County on multiple bridge along Routes 001, 101, 114, 280, & 380. Treat bridge decks with methacrylate resin, replace expansion joint seals, provide access openings to "bin" abutments, and repair approach slabs.	Various	NA	NA	NA	NA	NA	WPCP	NA	04/21/17	04/19/19
14	ALA	84	R3.63	16.93	2	In Alameda County on multiple bridge along Routes 84. Spot blast clean and paint entire steel elements of Structures.	Various	NA	NA	NA	NA	NA	WPCP	NA	04/21/17	04/19/19
15	ALA	61	18.55	18.55	2	San Leandro Bay Bridge 33-0086 and San Leandro Bay Bike Bridge 33-0086Z (Bay Farm Island Bridge). Painting and structures repairs/ Mechanical/Electrical repairs.	Various	NA	NA	NA	NA	NA	WPCP	NA	06/10/17	05/20/18
16	SCL	17	2.8	7.5	2	In Santa Clara and Los Gatos from 0.05 mile north of Hebard Way to 0.16 mile south of Blossom Hill Road. Digouts.	Various	NA	NA	NA	NA	NA	WPCP	NA	06/07/17	10/24/17
17	CC	4	2.9	3.4	2	Near Hercules from 0.5 mile west of Christie Rd. to Christie Rd. Cold plane and place HMA (A) and high friction surface treatment.	-	NA	NA	NA	NA	NA	WPCP	NA	06/07/17	05/04/18
18	ALA	24	R1.8	R4.5	2	In Oakland from Route 580/24 separation to Golden Gate Avenue Undercrossing. Mill and Replace with RHMA Overlay.	-	NA	NA	NA	NA	NA	WPCP	NA	06/07/17	04/21/18
19	ALA	680, 880	VAR	VAR	2	In Alameda County at various locations. Treat bridge deck with methacrylate and replace joint seals.	Various	NA	NA	NA	NA	NA	WPCP	NA	05/24/17	04/19/19
20	SM	35	R28.7	7.5	-	In San Mateo in Daily City from Jct. Route 1 to end of county line. Digouts.	NA	NA	NA	NA	NA	NA	WPCP	NA	02/11/17	12/12/17
21	SCL	87	R1.8	R4.5	-	In Santa Clara County in San Jose from W. Julian St. UC to Rte 87/880 Sep. Mill and Replace with RHMA Overlay.	NA	NA	NA	NA	NA	NA	WPCP	NA	02/17/17	12/12/17
22	SCL	VAR	VAR	VAR	-	In Santa Clara County at various locations. Treat bridge decks with methacrylate resin, replace expansion joint seals, repair deck spall, replace MBGR, and repair approach slabs.	NA	NA	NA	NA	NA	NA	WPCP	NA	04/21/17	04/19/19
23	ALA	580, 880, 980	VAR	VAR	2	In Alameda County on Routes 580, 880 and 980 at various locations. Treat bridge decks with methacrylate resin, replace expansion joint seals, repair approach slabs, and repaint bridge identification numbers.	NA	NA	NA	NA	NA	NA	WPCP	NA	04/21/17	04/19/19
24	SOL	113	20.4	21.2	-	In Solano County in Dixon from N. Adams to Route 80. Digout - Replace AC pavement.	NA	NA	NA	NA	NA	NA	WPCP	NA	02/11/17	12/12/17
25	CC	4	R16.8	R17.8	-	In Contra Costa County In Concord From Willow Pass Road Cu To 0.7 Mile West Of Bay Point/Willow. Replace failed concrete pavement.	NA	NA	NA	NA	NA	NA	WPCP	NA	06/30/17	04/20/18
26	SCL	130	2.3	9.0	-	In Santa Clara County in and near San Jose from White Road to 1.0 mile east of Three Springs Road. Slurry Seal.	-	NA	NA	NA	NA	NA	WPCP	NA	02/17/17	12/12/17

Table 6-2: District 4 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
27	SOL	780	0.0	7.4	-	In Solano County on route 780, at Post Mile 0.0 to 7.4. Materials and labor for Tree Trimming Repairs.	NA	NA	NA	NA	NA	NA	WPCP	NA	02/11/17	12/12/17
28	MRN	1	0.0	0.0	2	Replace failed pavement in Park and Ride lot. Replace Failed Pvmt in Park & Ride Lot.	NA	NA	NA	NA	NA	NA	WPCP	NA	05/16/17	11/06/17
29	ALA	580	21.0	R26.5	2	In Alameda County, on Route 580, in and near Pleasanton from 0.4 mile east of San Ramon Road Overcrossing to 0.2 mile of east of Sunny slope avenue overcrossing. PCC Slab Replacement.	NA	NA	NA	NA	NA	NA	WPCP	NA	05/16/17	11/06/17
30	SOL	84	7.5	13.7	2	In Solano county on Route 84 about 7.3 miles north of Rio Vista from 0.3 mile north of Route 220 East to the Yolo county line and on Route 220 about 7 miles north of Rio Vista from Route 84 to Steamboat Slough Ferry. Slurry Seal.	Various	NA	NA	NA	NA	NA	WPCP	NA	02/13/17	11/06/17
31	SOL	220	0.0	3.1	-	In Solano county in Fairfield and Suisun City from 0.1 mile west of Chadbourne Road to 0.4 mile East of Walters Road. Mill & Replace with HMA.	Various	NA	NA	NA	NA	NA	WPCP	NA	03/21/17	08/01/18
32	SOL	12	L2.1	7.9	2	In San Mateo county in South San Francisco and San Bruno from 0.2 mile east of Huntington Avenue overhead to intersection with North Access Road. Ramp Digouts.	NA	NA	NA	NA	NA	NA	WPCP	NA	03/21/17	08/01/18
33	SM	380	5.9	6.6	-	In Contra Costa County at Various Locations. Methacrylate bridge deck, replace joint seal.	NA	NA	NA	NA	NA	NA	WPCP	NA	04/21/17	04/19/18
34	VAR	VAR	VAR	VAR	-	In Alameda County in Fremont at Warm Springs Blvd. Mill & Replace with HMA.	NA	NA	NA	NA	NA	NA	WPCP	NA	03/24/17	12/02/17
35	ALA	262	R0.6	R0.7	2	In Sonoma County near Sebastopol and Cotati from 0.1 mile east of Cooper Road to 0.2 mile east of Gilchrist Road. Cold in place Recycling.	NA	NA	NA	NA	NA	NA	WPCP	NA	04/22/17	12/20/17
36	SON	116	25.0	27.9	-	In Sonoma County in Sebastopol from Mill Station Road to Cooper Road. Digouts.	NA	NA	NA	NA	NA	NA	WPCP	NA	04/20/20	04/20/21
37	SOL	80	17.08	17.08	2	Fairfield. Distribution panel, add sub-distribution panels and appurtenant cabling. Add and tie-in emergency diesel generator.	NA	-	-	NA	NA	NA	WPCP	NA	04/20/20	04/20/21

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 4 Monitoring Activities

Statewide Monitoring Program Activities
District 4 has no additional monitoring planned for the East-Span of San Francisco Oakland Bay Bridge (SFOBB) Bioretention Pilot Project (Project), and has met the requirements of the San Francisco Bay Regional Water Quality Control Board (RWQCB) Order No. R2-2002-0011 (Permit).
The following are statewide monitoring activities (fiscal year 2017-2018) that will be implemented in District 4.
ASBS Core Monitoring Sites
<ul style="list-style-type: none"> • 5 Core Monitoring sites are proposed for monitoring
ASBS Ocean Receiving Water and Reference Monitoring Sites
<ul style="list-style-type: none"> • 1 Ocean receiving water sites and 1 Ocean Reference monitoring sites are proposed for monitoring
TMDL Monitoring Sites
<ul style="list-style-type: none"> • 7 Monitoring sites are proposed for monitoring

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7 Region-Specific Activities

Section 7 of the DWP identifies the applicable region-specific activities that District 4 has planned for the fiscal year to comply with Attachment V of the 2012 NPDES Permit.

North Coast Region

Activities to Address Sediment Sources within Sediment Impaired Watersheds

Caltrans will prepare an inventory of sources of excess sediment and quantify the discharge or threatened discharge in the North Coast Regional Water Quality Control Board (NC-RWQCB) per Attachment V of the NPDES Permit.

Per Attachment V in the Conformed NPDES Permit (SWRCB Order WQ 2014-0077-DWQ), the inventory and prioritization step is not required if Caltrans is implementing the requirements of Attachment IV for sediment TMDLs as the given reaches have already been prioritized within the context of statewide implementation. Per Attachment IV of the Conformed NPDES Permit, Caltrans is required to submit a plan and schedule for conducting stream crossings survey for Napa River and Sonoma Creek watershed with the TMDL Status Review Report. Caltrans complied with this requirement by submitting the workplan for the Stream Crossings Survey for Napa River and Sonoma Creek as part of the TMDL Status Review Report that was submitted in October 2015. Caltrans intends to submit an updated workplan based on analysis and field work as part of the TMDL Status Review Report to the State Water Resources Control Board in October 2016.

Notification to NCRWQCB: Routine Maintenance Work within NCRWQCB Jurisdiction

Table 7-1 below has been included as notification of upcoming work over water. Many of the projects will not result in generating disturbed soil areas. Standard Caltrans Best Management Practices combined with the Caltrans Maintenance Staff Guide will be implemented in an effort to avoid and minimize the potential for sediment discharges and/or to implement temporary erosion control measures. Table 7-1 lists the anticipated routine maintenance work within the North Coast RWQCB jurisdiction.

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Table 7-1: District 4 Maintenance Notifications to the North Coast Regional Water Quality Control Board

Project Location						RWQCB	Water Bodies Within or Adjacent to Project Limits	Maintenance Activities	Disturbed Soil Area (acres)	Water Pollution Control Strategy (BMPs)	Construction Period	
No	EA	CO	Rte	Begin PM	End PM						Start Date	End Date
Bridge Maintenance Projects												
1	1K5800 0416000268	SON	101, 128	R51.62	R54.21 6.44	1	Various	In Sonoma County on Route 101 at Structure #20-0251R Central Cloverdale UC, treat bridge deck with methacrylate. On Route 101/128 Separation, Structure #20-0262, treat bridge deck with methacrylate, and paint bridge ID on Abutments 1 and 2. On Route 101 Structures #20-0200, 20-0245, 20-0039 and 20-0164K, repair / replace AC approach slabs.	0	Water Pollution Control Plan (Chapter 13 of Caltrans Standard Specifications); Caltrans Maintenance Staff Guide.	04/20/18	04/20/21
2	2K4401 0416000419	SON	116	25.0	27.9	1	Russian River Bodega Bay Laguna de Santa Rosa	In Sonoma County in Sebastopol from Mill Station Road to Cooper Road. Digouts.	Less than 1 acre	Water Pollution Control Plan (Chapter 13 of Caltrans Standard Specifications); Caltrans Maintenance Staff Guide.	04/20/20	04/20/21
3	0K1500 0416000039	SON	12, 37, 101, 116, 128	VAR	VAR	1, 2	Various	In Sonoma County on Routes 12, 37, 101, 116 and 128 at various locations. Replace joint seals, methacrylate the deck surfaces rebuild the middle exterior shear key with an adequate gap for the bridge movement, patch core holes and paint the bridge IDs.	0	Water Pollution Control Plan (Chapter 13 of Caltrans Standard Specifications); Caltrans Maintenance Staff Guide.	05/08/17	04/24/18
Bridge Maintenance Activities												
1	Routine Maintenance	HUM	101	27.07	-	1	Bridge No. 04-0072 (HUM 101 over Eel River)	Eagle Point Viaduct Bridge No. 04-0072 - Bridge Painting	0	Caltrans Maintenance Staff Guide; 100% Debris Containment Bridge Deck Shrink Wrap and Canvas Tarp BMP will be implemented.	-	-

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Riparian Vegetation Removal

TMDL activities will be implemented in accordance with Attachment IV of the Conformed NPDES Permit. Region Specific Requirements will be implemented in accordance with Attachment V of the Conformed NPDES Permit. Implementation of Attachments IV and V have not commenced pending ongoing negotiations between Caltrans, the State Water Resources Control Board and the Regional Boards.

San Francisco Bay Region

Trash Load Reduction

As part of Caltrans' effort in developing the Trash Reduction Workplan for the San Francisco Bay Region to meet its San Francisco Bay region specific requirements in Attachment V of the Conformed NPDES Permit, Caltrans conducted a field visual assessment areas to identify areas generating very high and high trash generation areas. The assessment utilized similar methodology to the ones used by local municipalities such that there are four trash generation areas categories: low, medium, high, and very high. Out of 1,100 centerline miles of roadway and 886 highway ramps, the field assessment identified approximately 24.1 highway centerline miles and 116 highway ramps to have high and very high trash generation rates. The complete result of the field visual assessment can be viewed online at <http://tinyurl.com/sfbaytmdl>.

Based upon the field visual assessment, Caltrans developed and submitted its proposed Trash Reduction Workplan for the San Francisco Bay Region in September 2015 and revised the Workplan in June 2016.

The Workplan proposed three trash reduction strategies: (1) source control (public education, increased street sweeping and litter removal, improved trash bin and container management); (2) structural control (increased storm drain cleaning, retrofit existing structural BMP, and installation of structural BMP) and; (3) cooperative implementation of full capture devices in partnership with local MS4s.

For structural control measures, Caltrans has identified 17 existing structural BMPs and 50 upcoming projects that are in the Planning and Design phases. The projects present immediate opportunities for consideration of full capture device to achieve trash reduction within the San Francisco Bay region.

In fiscal year 2015-2016, Caltrans actively sought out opportunities for cooperative implementation through meetings with BASMAA and by partnering with County stormwater management programs including the following programs: San Mateo Countywide Water Pollution Prevention Program; Contra Costa Clean Water Program; and the Marin County Stormwater Pollution Prevention Program. Partnership considerations include an annual TMDL compliance unit commitments; a common reach prioritization; and the implementation of BMPs that are effective for addressing the reduction of trash and other pollutants. In fiscal year 2017-2018, Caltrans will continue to seek new cooperative implementation opportunities and working towards entering into agreements with ongoing projects with the City of Oakland and the County of San Mateo.

Storm Water Pump Stations

Caltrans will continue to inspect and monitor pump stations in the San Francisco Bay Region pursuant to Region Specific Requirements, Attachment V Part 2 Sections 2 b, c, d of the Caltrans Conformed NPDES Permit, Order No. 2012-0011-DWQ.

Pump stations within District 4's jurisdiction were evaluated to determine those representing the greatest probability of discharging runoff with low dissolved oxygen (DO) to the local waterways. Data obtained from the District 4 Pump Station Inventory was used to perform this evaluation. The inventory which was completed during fiscal year 2013-2014 consisted of a total of 62 pump stations within District 4's

jurisdiction in Region 2, including locations and key characteristics such as: receiving water body, catchment areas, and wet weather storage capacity. To prioritize these pump stations for monitoring, the key characteristics and the geographic locations were considered.

Per the Caltrans Conformed NPDES permit, Attachment V, Part 2, Provision 2b, Caltrans inspected and collected DO data from 20 percent of the pump stations annually from the priority list. The inspection and monitoring results were reported in the Annual Report. The 2017-2018 fiscal year will be the fourth of five years of inspection and monitoring, at which time, 80 percent of the pump stations on the priority list will have been inspected and monitored for DO.