

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

Fiscal Year

2015-2016

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

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**California Department of Transportation
District 4 Certification**

District Work Plan 2015-16

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 4

9-30-14

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 2015-16. Implementation activities will be conducted in accordance with the procedures presented in the SWMP.

The DWP's seven sections describe how the District plans to implement the stormwater program during the upcoming fiscal year. Section 1 introduces the DWP, describes its organizational structure, and identifies the key goals and commitments made by the District for the upcoming fiscal year. Section 2 describes the personnel with stormwater operations responsibilities in the District. In Section 3, the District's facilities are listed and categorized by type and location. Section 4 describes and identifies the high-risk locations where spills from the District's owned rights-of-way, roadways or facilities can discharge directly to a drinking water reservoir or ground water recharge facility. In Section 5, the District's road segments that are prone to erosion are identified. Section 6 summarizes the District's implementation activities, including projects that will be in the design and construction phases during the fiscal year, maintenance projects, and planned stormwater monitoring activities. Section 7 identifies the planned region-specific activities (if applicable) to address the requirements listed in Attachment V of the Caltrans 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; efficiently delivering 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:

- Train staff on compliance requirements in the Construction General Permit (CGP) and updated guidance available in the Storm Water Quality Handbook entitled "Project Planning & Design Guide."
- Maintain relationships with the Regional Water Quality Control Board(s) to meet our shared stormwater management goals by engaging in discussions to:
 - Establish consistency with Department's statewide practices on stormwater treatment and hydromodification control requirements for projects that require Clean Water Act Section 401 Water Quality Certifications and/or Waste Discharge Requirements, and implement sustainable on-site control measures that are: safe for our workers and the public; cost-effective; and provide full and unambiguous compliance.
 - Establish a clear understanding on equivalent water quality benefit to set goals for off-site stormwater treatment compliance projects when on-site control measures are determined infeasible.

- Successfully implement construction site risk assessment and water pollution control measures to minimize the risk for pollutant discharges to receiving waters in compliance with the CGP, including the use of electronic filing of Project Registration Documents
- (PRDs) onto the State Water Resources Control Board's Stormwater Multi-Application & Report Tracking System (SMARTS), including Notice of Intent (NOI) and Notice of Termination (NOT).
- Coordinate with local partners to provide guidance in the planning/design phase to comply with mandates requiring incorporation of on-site stormwater treatment and hydromodification control measures, and facilitate discussions with the Regional Water Quality Control Board(s) to develop off-site watershed based solutions.
- Coordinate with the San Francisco Bay RWQCB and the Bay Area Stormwater Management Agencies Association (BASMAA) during the development of a Conceptual Work Plan to comply with the Total Maximum Daily Loads (TMDLs) developed for each water body and pollutant within District 4 boundaries. The current strategy includes identifying information gaps to establish a baseline for the pollutant loads leaving Department's right of way, which will provide a scientific basis for: prioritizing compliance options; developing cost-effective control measures; cost sharing on regional TMDL compliance projects; and establishing separate waste load allocations (WLA) where justified.
- Coordinate with North Coast and San Francisco Bay RWQCBs to comply with region-specific requirements in the statewide NPDES permit:

- North Coast Region

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) to address sediment sources within sediment impaired watersheds.

- San Francisco Bay Region

Trash Load Reduction – Caltrans will develop a Trash Load Reduction Workplan that outlines the steps it will take to comply with the region-specific Trash Load Reduction requirements in Attachment V of the Caltrans NPDES Permit. The Workplan will contain an identification and prioritization of high trash generation areas within District 4, which has approximately 900 centerline miles of roadway and facilities with over 2,000 outfalls. After the identification and prioritization process, Caltrans will prepare a report describing the load reduction measures it will take to mitigate these high trash generation areas.

Storm Water Pump Stations – Caltrans will perform inspection and monitoring of pump stations in the San Francisco Bay Region inventoried within District 4 (total of 62 pump stations). Pump stations within Caltrans D4 were evaluated to determine those representing the greatest probability of discharging runoff with low dissolved oxygen (DO) to the local waterways. In August 2014, District 4 inspected and collected DO data from 20 percent of the pump stations from the priority list. The inspection and monitoring results will be reported in the Annual Report. In FY 15/16, Caltrans will continue to inspect and collect data of DO for the next 20 percent of the pump stations on the priority list, and will continue to report the inspections, monitoring results and any corrective actions needed in the Annual Report.

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 Stormwater Coordinator

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

- Provide guidance and direction for the preparation, development, and implementation of a comprehensive District Stormwater Program.
- Oversee activities related to notification procedures for reuse of soil containing lead in accordance with 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 Stormwater Program.

- Provide stormwater quality language to be included in the Project Report.
- Prepare technical Water Quality studies to assess water quality impacts resulting from transportation improvements to comply 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 control and treatment measures to improve or minimize water quality impacts.
- Propose, develop, and manage stormwater monitoring programs, in coordination with the Headquarters Environmental Program.
- Provide data for inclusion in the 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 stormwater 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 Stormwater 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 identified in the SWMP.
- 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 include but are not limited to the following:

- Provides water quality permit language to be included in the 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 for impacts to 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 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) identified in the SWMP and various Public Education activities within the District.
- Prepare the Annual Report that summarizes the activities of District 4 and ensures that the conditions of the stormwater permit are met.
- Prepare the DWP annually to address 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 in the District. The Erosion Control and Mitigation Branch Chief is the Erosion Control Coordinator (ECC) and responsible for working closely with the WPCC and the 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 when requested. The specific stormwater tasks for which the 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 to improve or minimize water quality impacts on projects.
- Prepare Notice of Termination (NOT) and electronically filing supporting documentation to terminate coverage under CGP upon completion of construction.
- Ensure that reuse locations of soil-containing lead in accordance with variances issued by DTSC are not subject to erosion and stabilized as part of project design.
- Assist the District Encroachment Permits Branch in evaluating erosion control requirements of encroachment permit applications.
- Conduct studies to improve water quality objectives on highway planting projects.
- Assist in development of training programs, especially that attributed to Erosion Control staff.
- Participate in the Design SWAT identified in the SWMP.
- Provides Erosion Control language to be included in the Water Quality section of the 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 Stormwater Coordinator

Under the general direction of the Division of Construction (Construction), the Construction Stormwater Coordinator (CSWC) is responsible for developing stormwater quality policies and guidance, and daily management of Construction's stormwater 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 for SWPPP projects.
- Submit approved SWPPPs or other reports to the RWQCBs as requested.
- 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 Stormwater 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 the Permit 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 FPPPS.
- Participate on the Maintenance SWAT 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 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 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 responsible for providing information on permanent control measures, except those related to erosion control, which are being planned, designed, and implemented in projects. The Hydraulics Coordinator is responsible for providing input and review of the Annual Report and DWPs. The Hydraulics Coordinator ensures that the management and staff of the Hydraulics Group are aware of the DWP, various water pollution control efforts, and commitments for minimizing or preventing pollutants from being present in discharges. The Hydraulics Coordinator ensures that 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 responsible for maintaining an effective public information program as specified in this DWP and any elements of the SWMP that are attributed to the District. The Public Affairs Coordinator is directly responsible for the following:

- 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 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 Stormwater 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: District 4 Stormwater Personnel and Responsibilities

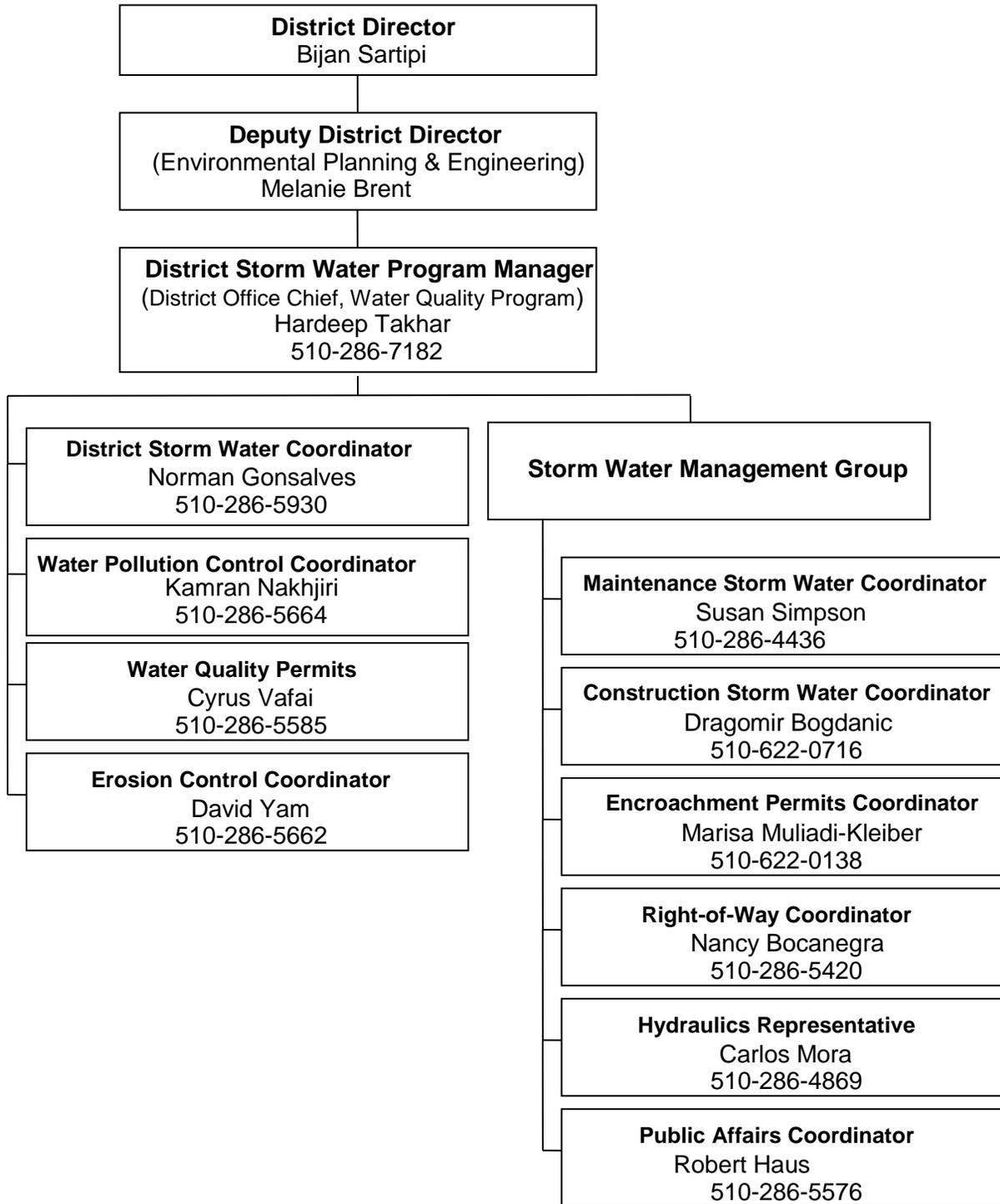
Staff Name	Title	Phone No.	E-mail	Responsibility
Hardeep S. Takhar	District Water Quality Program Manager/NPDES Coordinator	(510) 286-7182	hardeep_s_takhar@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
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 Stormwater 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.
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.
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.
Carlos Mora	Hydraulics Coordinator	(510) 286-4869	carlos_mora@dot.ca.gov	For a complete list of responsibilities, please refer to Section 2: "District Personnel and Responsibilities" found immediately above.
Robert Haus	Public Affairs Coordinator	(510) 286-5576	robert.haus@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 Stormwater Program. It also includes delegation of signatory authority for key Permit/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 S. 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, Stormwater 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	(510) 622-0716	dragomir_bogdanic@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification
Susan Simpson, Maintenance Stormwater Coordinator and Laura Horan, Hazardous Materials Manager	(510) 286-4436 (510) 286-4492	susan_simpson@dot.ca.gov laura_horan@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illicit Connection/Discharge (IC/ID)
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
Environmental Engineering Coordinator	(510) 286-5000	allen_baradar@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
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 Stormwater Coordinator	(510) 715-8474	gary_mears@dot.ca.gov	Facility Pollution Prevention Plans (FPPP)

Figure 2-1: District 4 Organizational Chart



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 Hennessey	Lake Hennessey is used as a water supply.	Light truck traffic and slower speeds due to the alignment and grade of this section of Route 128 reduces the likelihood of hazardous spills.
Route 35	San Francisco	2	Lake Merced	Adjacent to Route 35 in the City of San Francisco, Lake Merced is primarily used as a recreational area. It also serves as an emergency source for drinking water.	Stormwater from Route 35 currently discharges directly to the lake via a series of down drains.
Route 280	San Mateo	2	Lower Crystal Springs Reservoir	Route 280 in San Mateo county crosses through a watershed that drains to both upper and lower Crystal Springs Reservoirs.	In order to preserve the quality of the reservoirs, it was necessary to develop a system that allows clean, natural runoff to drain to the reservoirs while freeway runoff was directed into a series of seven turbidity ponds.

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 92	San Mateo	2	Upper Crystal Springs Reservoir	Route 92 bisects the Upper Crystal Springs Reservoir from the Lower one. These reservoirs supply the San Francisco Water Department with water for domestic use.	A proposed safety project to widen and realign Route 92 in San Mateo County from Crystal Springs Reservoir to Route 35 will incorporate spill prevention and containment techniques. This Route acts as the main access to coastal communities and, as such, experiences heavy truck traffic.
Route 24	Contra Costa	2	San Pablo Reservoir	San Pablo Reservoir in the East Bay lies between Orinda and El Sobrante off San Pablo Dam Road. The reservoir is located at an elevation of 314 feet in the Berkeley hills. It has 860 surface acres. At San Pablo, reservoir visitors can fish, picnic, hike, or just relax in a beautiful setting.	Runoff from Route 24 in Orinda discharges directly to San Pablo Creek, which empties into San Pablo Reservoir. The light truck traffic and relatively straight horizontal alignment at this location reduces the likelihood of spills.
Route 24	Alameda	2	Lake Temescal	Lake Temescal lies adjacent to Route 24 in the City of Oakland. Although the lake primarily serves as a recreational area, it may be used as an emergency water supply.	No comments
SR 17, PM 18.0/18.6	Santa Clara	2	Lexington Reservoir	Reservoir is municipal water supply source for approximately 10,000 residents in the towns of Saratoga and Los Gatos. Route 17 parallels Lexington Reservoir, which is located approximately three miles south of the town of Los Gatos.	The lack of industrial facilities along this section of the highway as well as the constrained horizontal and vertical geometry of the highway discourages heavy truck traffic. Trucks using Route 17 are most likely serving the nearby Santa Cruz and San Lorenzo Valley areas.
Routes 17 and 85	Santa Clara	2	Percolation Facilities	Several Santa Clara Valley Water District (SCVWD) percolation ponds lie along Los Gatos Creek adjacent to Route 17 and the Route 17/85 interchange in Campbell. The water source for most of these ponds is Los Gatos Creek.	While runoff from the Route 17/85 interchange does not discharge to the nearby ponds, SCVWD is concerned that off-roadway accidents in which vehicles or trucks run down embankments could occur, thereby jeopardizing the ponds.
Route 101	Santa Clara	3	Madrone Channel	This channel, near Morgan Hill, parallels Route 101 from Half Road to Llagas Creek, providing necessary flows for SCVWD groundwater recharge facilities. The source of flow within this channel is Anderson Reservoir via the Coyote-Madrone Pipeline.	No comments

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	5	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.

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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

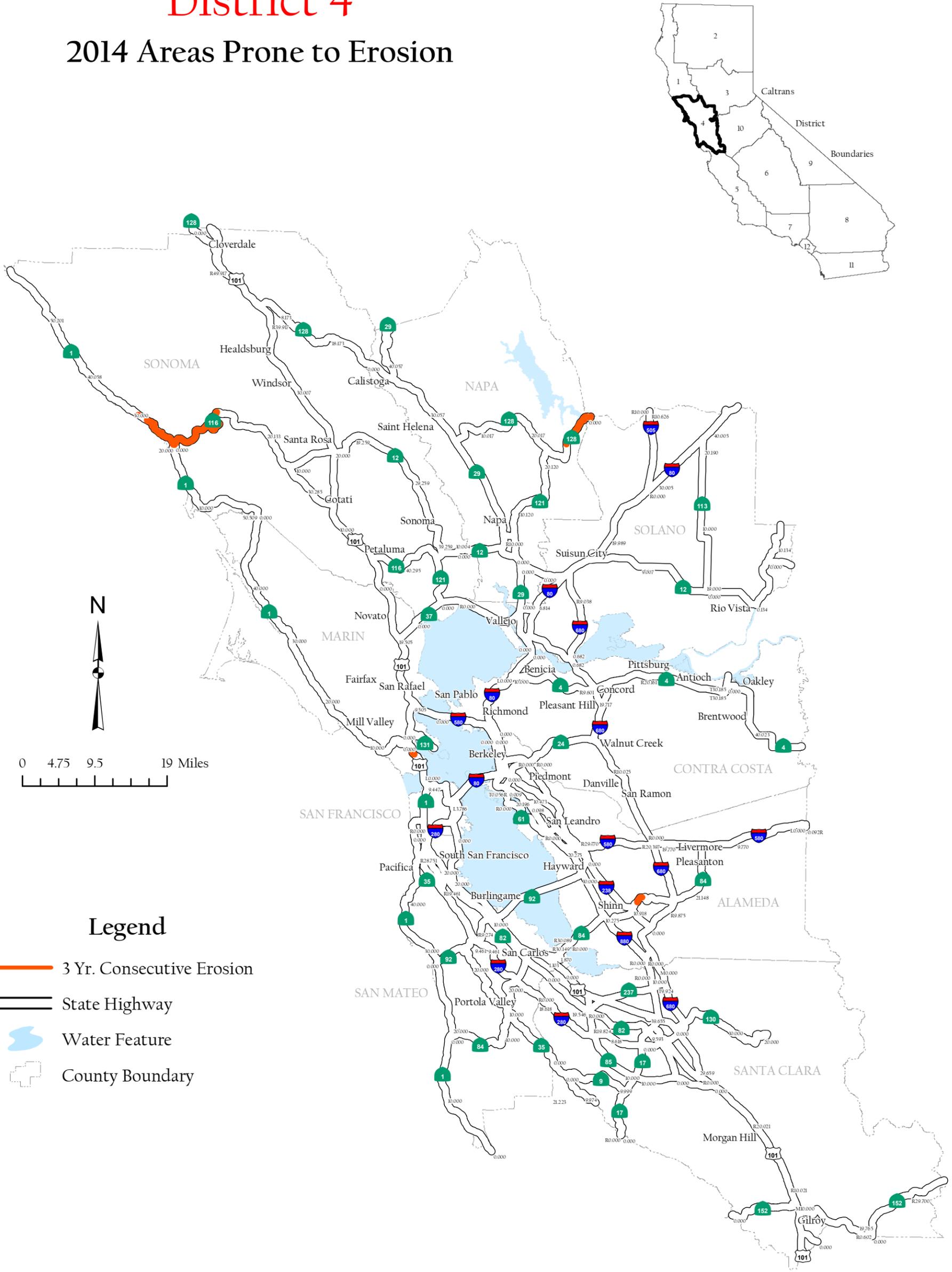
Road Segment	County	Regional Board	Watershed	Scheduled Stabilization Date
SR 84, PM 12.0/13.0	ALA	2	Alameda Creek	TBD
SR 101, PM 2.4/2.9	MRN	2	Corte Madera Creek	TBD
SR 128, PM 28.5/34.2	NAP	5	Putah Creek	TBD
SR 128, PM 0.5/0.7	SOL	5	Putah Creek	TBD
SR 1, PM 20.1/26.9	SON	1	Salmon Creek/Russian River	TBD
SR 1, PM 28.4/28.5	SON	1	Salmon Creek	TBD
SR 116, PM 0/11.7	SON	1	Salmon Creek/Russian River	TBD

Figure 5-1 is a map showing California State Highway System areas that required maintenance within District 4 in 2014, including rock cut slopes, landslides, and moderate soil erosion.

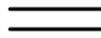
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District 4

2014 Areas Prone to Erosion



Legend

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

Areas Prone to Erosion

DIST	CO	RTE	BPREFX	BPM	EPREFX	EPM
4	ALA	84		12.000		13.006
4	MRN	101		2.492		2.990
4	NAP	128		28.500		34.200
4	SOL	128		0.500		0.720
4	SON	1		20.153		26.998
4	SON	1		28.498		28.598
4	SON	116		0.000		11.700



State of California
Department of Transportation
Division of Maintenance GIS
August 13, 2014

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\2014_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 Initiation Document (PID), 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 PID, PA/ED, PS&E, begin Construction, and end Construction
8. Description of Construction Controls
9. Post-Construction Treatment Controls (types and quantities)
10. Dredge and fill (CWA-401) activities within the project
11. Other Regional Water Control Board Permits Required
12. Potential and Actual Impacts of Project's Discharge
13. Area of New Impervious Surface
14. Percentage of New Impervious Surface to Existing Impervious Surface

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

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

No.	EA	Project Location					Project Description ^{1,2}	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 ³											PID Date	PA&ED Date	PS&E Date	Start Date	End Date
1	0A534	SOL	80/12	12.0 (I-80); R2.1 (SR12)	13.1 (I-80); R2.8 (SR12)	5	Freeway/Interchange Reconstruction	Green Valley Creek, Jameson Canyon Creek, Suisun Marsh Wetlands, Suisun Bay	Y	N/A	-	35.1	8.1	-	SWPPP	Bioretention Basin (Pilot)	-	-	-	6/1/2013	9/1/2015
2	2A110	NAP	121	20.2	20.4	2	Bridge Replacement	Capell Creek	Y	N/A	-	1.2	0.1	-	SWPPP	E	-	-	-	3/13/2013	8/1/2015
3	2A430	SCL	9	2.5	7	2	Safety Improvement v@ Spot Locations	Stevens Creek, Saratoga Creek, Saratoga Creek Reservoir, Calabazas Creek	N	N/A	-	2.63	0.32	-	SWPPP	E	-	-	-	2/1/2014	10/1/2016
4	3A580	CC	680	11.2	16.6	2	HOV Gap Closure	Las Trampas Creek, Tice Creek, San Ramon Creek, Walnut Creek	Y	N/A	-	15	2.7	-	SWPPP	BS, 12	-	-	-	3/1/2016	3/1/2018
5	01352	SF/ALA	80	8.6 (SF); 0.0 (Ala)	8.8 (SF); 1.2 (Ala)	2	Structure Demolition	San Francisco Bay - Central	N/A	N/A	-	1.5	0	-	SWPPP	E	-	-	-	4/5/2014	9/1/2016
6	3E770	SCL	Var	Var	Var	2	Bridge Repair Work	Var	N/A	N/A	-	0	0	-	WPCP	E	-	-	-	2/18/2015	2/8/2017
7	4H810	Var	Var	Var	Var	Var	Bridge Maintenance Works	Napa River, Santa Rosa Creek, Rindler Creek, Putah Creek, Carquinez Strait	N/A	N/A	-	0	0	-	WPCP	E	-	-	-	2/18/2015	2/18/2016
8	0J290	ALA	61	18.55	18.55	2	Bridge Maintenance	San Francisco Bay	N/A	N/A	-	0	0	-	WPCP	E	-	-	-	4/10/2015	9/15/2015
9	2G500	ALA	Var	Var	Var	2	Upgrade MBGR	San Francisco Bay Estuaries	N	N/A	-	0	0	-	WPCP	E	-	-	-	8/1/2015	6/1/2016
10	3G610	CC	80	0	10.7	2	Rehabilitation Project	San Francisco Bay	N/A	N/A	-	2	0	-	WPCP	E	-	-	-	10/28/2015	12/21/2017
11	3G710	ALA	580	Var	Var	2	roadside rehabilitation	San Francisco Bay	N/A	N/A	-	1.6	1.6	-	WPCP	E	-	-	-	8/3/2015	10/10/2015
12	2G440	CC	80/580	Var	Var	2	Upgrade metal beam guardrail	Corte Madera Frontal Cree	N/A	N/A	-	0	0	-	WPCP	E	-	-	-	8/1/2015	6/1/2016
13	4H900	SF	280	0/143 & 1.40	1.46	2	Install Type 60 Concrete Barriers.	San Francisco Bay	N/A	N/A	-	0	0	-	WPCP	E	-	-	-	2/1/2016	8/1/2016
14	29494	ALA	24	Var	Var	2	Replacement Planting Project	San Francisco Bay	N	N/A	-	0	0	-	WPCP	E	-	-	-	5/30/2014	7/30/2018
15	3E790	SM	101	23.66	23.66	2	Bridge maintenance	San Mateo Creek	N/A	N/A	-	0	0	-	WPCP	E	-	-	-	2/5/2015	2/7/2017

¹ Supplemental Environmental Projects designated as "SEP."

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

³ Regional Board

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.

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 Maintenance Projects

Significant Road Maintenance Activities															
No.	Co.	Route	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.	ALA	E/B80	2.5	2	Silt Removal	San Francisco Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Winter 2015
2.	ALA	E/B 80	6.775	2	Silt Removal	San Francisco Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Winter 2015
3.	ALA	E/B 580	5.6-5.8	2	Silt Removal	Altamont Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2015
4.	ALA	W/B 580	26.23	2	Silt Removal	San Lorenzo Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2015
5.	ALA	E/B 580	21.6	2	Silt Removal	Dublin Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2015
6.	ALA	W/B 580	21.42	2	Silt Removal	Dublin Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2015
7.	ALA	N/B 680	0.77	2	Silt Removal	Scott Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Winter 2015
8.	ALA	N/B 680	2.121	2	Silt Removal	San Francisco Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Winter 2015
9.	ALA	N/B 680	2.621	2	Silt Removal	San Francisco Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Winter 2015
10.	ALA	N/B 680	5.27	2	Silt Removal	Mission Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2013/14	Spring 2015
11.	ALA	N/B 680	9	2	Silt Removal	Sheridan Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Winter 2015
12.	ALA	N/B 680	11.7	2	Silt Removal	Arroyo De La Laguna	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Winter 2015
13.	ALA	N/B 680	15.044	2	Silt Removal	Arroyo De La Laguna	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Winter 2015
14.	ALA	N/B 680	15.481	2	Silt Removal	Arroyo De La Laguna	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Winter 2015
15.	ALA	N/B 680	17.1-19.3	2	Silt Removal	Arroyo De La Laguna	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Winter 2015

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, such as 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 Maintenance Projects

Significant Road Maintenance Activities															
No.	Co.	Route	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
16.	ALA	S/B 680	14.1	2	Silt Removal	Arroyo De La Laguna	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2015
17.	ALA	S/B 680	5.235	2	Silt Removal	Mission Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2015
18.	ALA	N/B 880	13.5	2	Silt Removal	Alameda Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2015
19.	NAP	128	31.10-34.21	5	Talus slide removal	Lake Berryessa	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Year round	
20.	NAP	128	9.4-14.52	2	Slide removal	Lake Hennesey	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Year round	
21.	NAP	29	R6.94-R7.38	2	Ice control, cinders	Napa River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	11/01	3/31
22.	MRN	1	5-45.25	2	Slide removal	Pacific Ocean, Bolinas Lagoon, Tomales Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Year round	
23.	SON	1	8.82-58.58	2	Slide removal	Pacific Ocean, Bodega Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Year round	
24.	SM	92	9.83	2	Remove material from culvert and large ditch	San Francisco Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2016
25.	SM	101	9.54	2	Remove material from large drainage ditch	San Francisco Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2016
26.	SM	1	43.64	2	Remove material from large drainage ditch	Pacific Ocean	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
27.	SM	1	4.32	2	Remove silt/tules	Whitehouse Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
28.	SM	1	10.4	3	Remove silt/tules	Freedmans Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2016
29.	SM	1	13.2	2	Remove silt/tules	Pacific Ocean	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2016
30.	SM	1	29.69	2	Remove silt/tules	Arroyo Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2016
31.	SM	1	30.82	2	Remove silt/tules	Pacific Ocean	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
32.	SM	1	32.09	2	Remove silt/tules	Pacific Ocean	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
33.	SM	1	32.7	2	Remove silt/tules	Pacific Ocean	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2016

Table 6-2: District 4 Anticipated Maintenance Projects

Significant Road Maintenance Activities															
No.	Co.	Route	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
34.	SM	1	33.04	2	Remove silt/tules	Gassos Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
35.	SM	1	35.29	2	Remove silt/tules	Pacific Ocean	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
36.	SM	1	37.09	2	Remove silt/tules	Purisima Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
37.	SM	1	40.7	2	Remove silt/tules	Pacific Ocean	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
38.	SM	1	41.4	2	Remove silt/tules	Pacific Ocean	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
39.	SM	35	2.81	2	Clean ditch & remove silt around bear trap	San Lorenzo River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
40.	SM	35	2.86	2	Clean ditch	San Lorenzo River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
41.	SM	35	3.28	2	Clean ditch	San Lorenzo River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
42.	SM	35	3.56	2	Riprap	San Lorenzo River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
43.	SM	35	6	2	Clean ditch	Peters Creek Alpine Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
44.	SM	35	7.55	2	Clean ditch	Alpine Creek La Honda Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
45.	SM	35	10.49	2	Clean ditch	La Honda Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
46.	SM	35	13.84	2	Clean ditch	La Honda Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
47.	SM	35	15.48	2	Clean ditch	Bear Gulch Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
48.	SM	35	16.11	2	Clean ditch	Bear Gulch Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
49.	SM	84	12.97	2	Clean ditch	La Honda Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
50.	SM	84	13.3	2	Clean ditch	La Honda Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
51.	SM	84	13.84	2	Clean ditch	La Honda Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
52.	SM	101	20.6	2	Remove silt	San Bruno Canal	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2016

Table 6-2: District 4 Anticipated Maintenance Projects

Significant Road Maintenance Activities															
No.	Co.	Route	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
53.	SM	101	22.7	2	Remove tree/tules	San Francisco Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2016
54.	SM	101	26.1	2	Remove silt	San Francisco Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Summer 2015	Winter 2016
55.	SCL	9	9.5-10.5	2	Remove silt/trees	San Lorenzo River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
56.	SCL	17	0.2	2	Remove silt around bear trap	Lexington Reservoir	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
57.	SCL	17	0.3	2	Remove silt around bear trap	Lexington Reservoir	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
58.	SCL	17	1.9	2	Remove silt around bear trap	Lexington Reservoir	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
59.	SCL	17	2	2	Remove silt around bear trap	Lexington Reservoir	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
60.	SCL	17	2.5	2	Remove silt around bear trap	Lexington Reservoir	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
61.	SCL	17	3.1	2	Remove silt around bear trap	Lexington Reservoir	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
62.	SCL	17	3.3	2	Remove silt around bear trap	Lexington Reservoir	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
63.	SCL	101	40	2	Remove silt	Guadalupe River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
64.	SCL	237	2.3	2	Remove cattails	San Francisco Bay	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
65.	SCL	680	8.3	2	Remove silt	Tularcitos Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Spring 2016
66.	SCL	25	0.0-1.0	3	Remove silt	Carnadero Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
67.	SCL	25	1.5-2.2	3	Remove silt	Carnadero Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
68.	SCL	101	0.0-1.2	3	Remove silt	Pajaro River (303d)	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
69.	SCL	152	12.3	3	Remove silt	Dexter Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
70.	SCL	152	12.5-13.2	3	Remove silt	Johnson Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
71.	SCL	152	13.8	3	Remove silt	Jones Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
72.	SCL	152	14.8	3	Remove silt	Llagas Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016

Table 6-2: District 4 Anticipated Maintenance Projects

Significant Road Maintenance Activities															
No.	Co.	Route	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
73.	SCL	152	16.31	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
74.	SCL	152	16.44	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
75.	SCL	152	16.54	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
76.	SCL	152	16.58	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
77.	SCL	152	16.78	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
78.	SCL	152	16.83	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
79.	SCL	152	16.9	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
80.	SCL	152	17.1	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
81.	SCL	152	17.33	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
82.	SCL	152	17.42	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
83.	SCL	152	17.47	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
84.	SCL	152	17.91	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
85.	SCL	152	18	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
86.	SCL	152	18.3	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
87.	SCL	152	19.6	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
88.	SCL	152	24.08	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
89.	SCL	152	24.3	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
90.	SCL	152	24.65	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2015	Winter 2016
91.	SCL	156	0.0-0.5	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Spring 2015	Summer 2016

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
<p>The following site has been identified for monitoring in the District:</p> <ul style="list-style-type: none"> ● RWQCB #2: Alameda County, Route 80, San Francisco/Oakland Bay Bridge Toll Plaza – Monitoring of the performance of the pilot bioretention facilities for the next year. <p>The following are statewide monitoring activities that will be implemented in District 4. For detailed information on these activities, refer to the Monitoring Results Report included as an attachment to the Annual Report (fiscal year 2015-2016).</p>
ASBS Core Monitoring Sites
<ul style="list-style-type: none"> ● 6 Core Monitoring sites are proposed for monitoring
ASBS Ocean Receiving Water and Reference Monitoring Sites
<ul style="list-style-type: none"> ● 2 Ocean receiving water sites and 2 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 region-specific requirements in Attachment V of the Caltrans 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.

Caltrans intends to prepare and submit a Sediment Inventory Table (North Coast) to the Water Board on October 1, 2014 to meet their Permit requirements (Attachment IV, Section I A 4).

Riparian Vegetation Removal

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

San Francisco Bay Region

Trash Load Reduction

Caltrans will develop a Trash Load Reduction Workplan that outlines the steps it will take to comply with the region-specific Trash Load Reduction requirements in Attachment V of the Caltrans NPDES Permit. The Workplan may be subject to change pending resolution of the Draft Amendments to Statewide Water Quality Control Plans to Control Trash (proposed Trash Amendments) of June 2014 and Attachment V, Part 2 of the Caltrans NPDES Permit as amended on May 20, 2014. The Workplan will contain an identification and prioritization of high trash generation areas in Caltrans District 4, which has approximately 900 centerline miles of roadway and facilities with over 2,000 outfalls. After the identification and prioritization process, Caltrans will prepare a report describing the load reduction measures it will take to mitigate these high trash generation areas.

Objectives:

- Identify High Trash Generation Areas
- Prioritize areas for trash reduction measures (through retrofits, institutional controls, cooperative agreements, etc.)
- Identify tasks to address trash reduction (2014/2015 Fiscal Year)
- Identify trash reduction strategy within the Caltrans NPDES Permit cycle (2018)
- Identify trash reduction strategy for the long-term (post-2018)

This plan will address Caltrans' trash reduction efforts within the San Francisco Bay Region. Consideration should include annual TMDL compliance unit commitments, reach prioritization, and BMPs effective for addressing trash and other pollutants.

Storm Water Pump Stations

Caltrans will perform inspection and monitoring of pump stations in the San Francisco Bay Region pursuant to Region Specific Requirements, Attachment V Part 2 Sections 2 b, c, d of Caltrans, NPDES Permit, Order No. 2012-001 1-DWQ NPDES.

Pump stations within Caltrans D4 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 Caltrans D4 Pump Station Inventory was used to perform this evaluation. The inventory which was completed during FY 13/14 consisted of a total of 62 pump stations within Caltrans' 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.

- In August 2014, as per the NPDES permit, Attachment V- Part 2, Provision 2b, Caltrans inspected and collected DO data from 20 percent of the pump stations from the priority list. The inspection and monitoring results will be reported in the Annual Report. In FY 15/16, Caltrans will continue to inspect and collect data of DO for the next 20 percent of the pump stations on the priority list, and will continue to report the inspections and monitoring results in the Annual Report.