

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

Fiscal Year

2014–2015

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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 2014-15**

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 ensure 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 for knowing violations. [40 CFR 122.22(d)]



Bijan Sartipi
District 4

9-13-13

Date

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1 Introduction

General Information about the District Work Plan

The District Work Plans (DWPs) 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 April 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 2013-14. Implementation activities will be conducted in accordance with the procedures presented in the SWMP.

The DWP's six chapters describe how the District plans to implement the stormwater program during the upcoming fiscal year. Chapter 1 introduces the DWP, describes its organizational structure, and identifies the key goals and commitments made by the District for the upcoming fiscal year. Chapter 2 describes the personnel with stormwater operations responsibilities in the District. In Chapter 3, the District's facilities are listed and categorized by type and location. Chapter 4 describes and identifies the locations where spills from the District's owned rights-of-way, activities, roadways or facilities can discharge directly to a drinking water reservoir or ground water recharge facility. In Chapter 5, the District's implementation activities are summarized, including projects that will be in the design and construction phases during the fiscal year, as well as the planned activities associated with municipal coordination, stormwater monitoring, and public education. Chapter 6 identifies the total maximum daily loads (TMDLs) for which the District has been named a stakeholder, and a general discussion of planned TMDL actions.

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).
- 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 Water Board(s) staff to address sediment sources along highways that discharge to sediment impaired waterbodies.
- Hold quarterly National Pollutant Discharge Elimination System (NPDES) coordination meetings to increase communication, collaboration and coordination with District 4's Divisions of Maintenance, Construction, Design, Landscape Architecture, Right-of-Way, Hydraulics and Permits to implement the new requirements in the CGP and comply with Department's Storm Water Management Plan.

2 District Personnel and Responsibilities

Chapter 2 of the DWP describes positions, addresses, and telephone numbers of personnel with responsibilities for stormwater operations within the District. This chapter also identifies positions having signatory authority for various notifications or documents required for submittal by a District (e.g., notice of construction or NOC).

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 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 Construction General Permit (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 NPDES permit applications.
- Act as the primary contact for the interpretation and implementation of Caltrans' Statewide 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 Caltran's 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.
Arnold Joe	Maintenance Coordinator	(510) 286-4421	arnold_joe@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
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.
Leah Robinson-Leach	Public Affairs Coordinator	(510) 286-6120	traci_ruth@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.

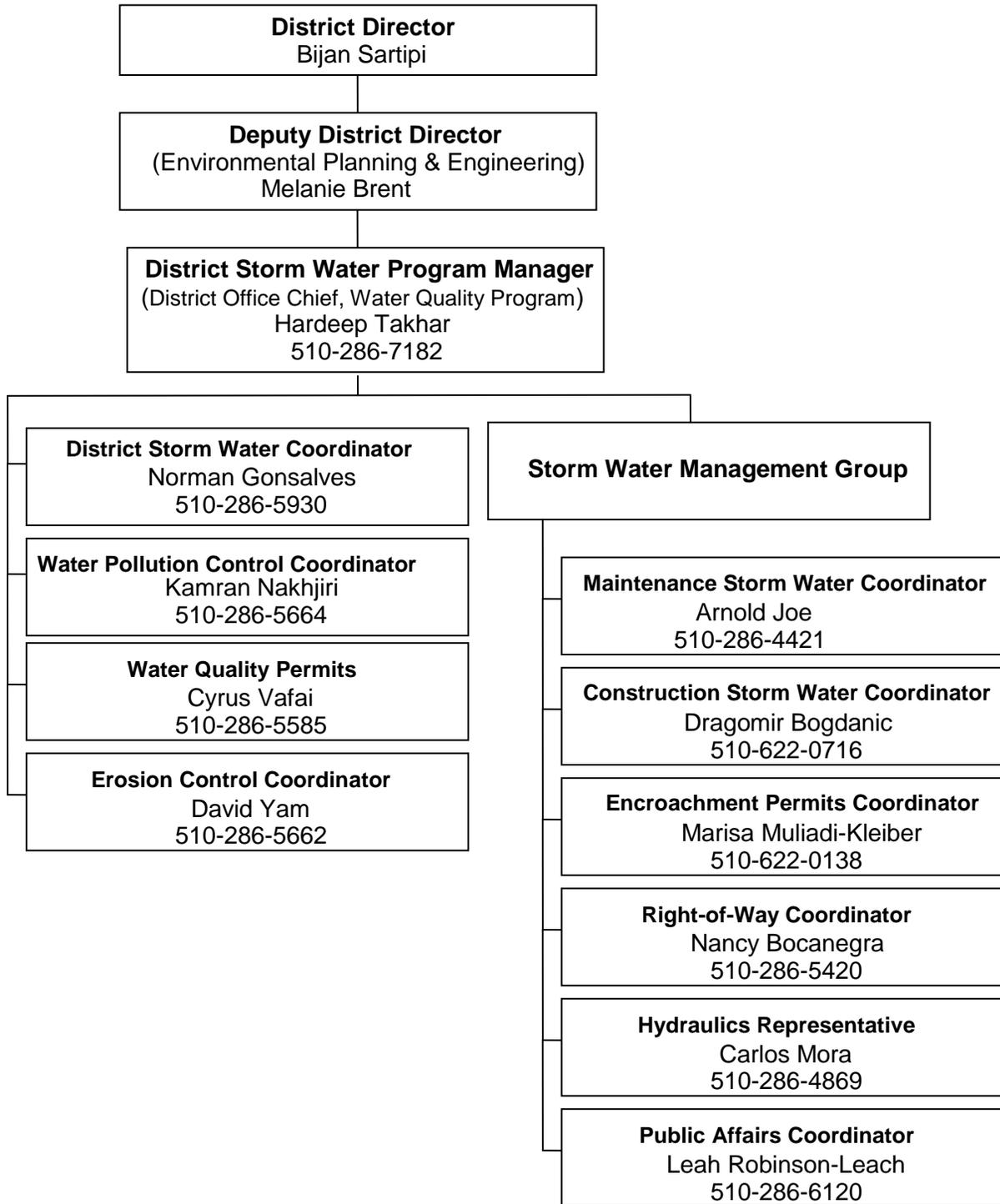
Table 2-2: District 4 Signatory Authority for Key Documents

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 Construction General Permit (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 Construction General Permit (CGP)
Dragomir Bogdanic	(510) 622-0716	dragomir_bogdanic@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification

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

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
Arnold Joe, Maintenance Stormwater Coordinator and Laura Horan, Hazardous Materials Manager	(510) 286-5215 (510)286-4492	arnold_joe@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 locations where spills from District-owned rights-of-way, activities, roadways, or facilities can discharge directly to a municipal or domestic water supply reservoir or a ground water recharge (percolation) facility. 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, activities, 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.

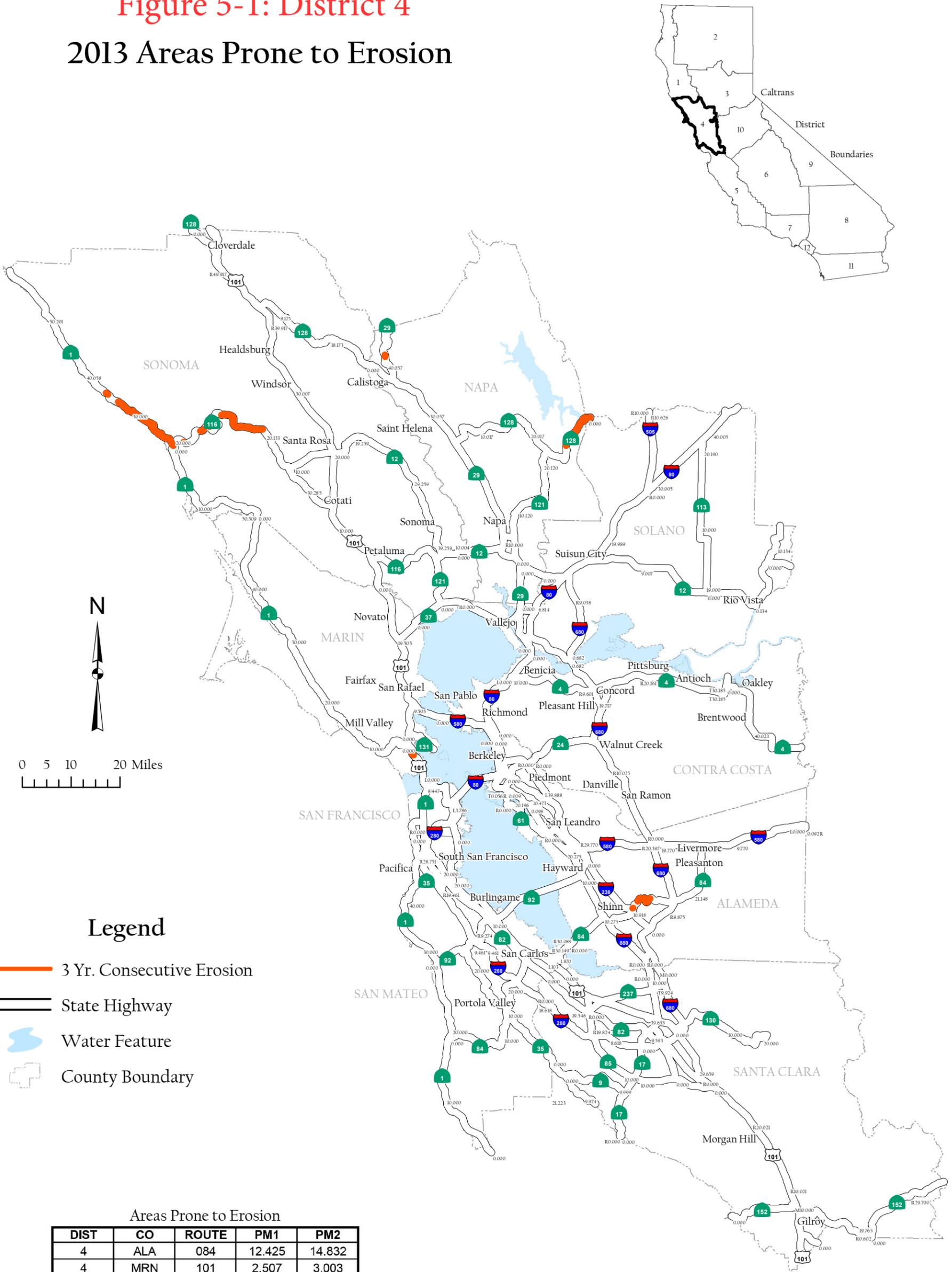
Table 5-1: District 4 Inventory of Road Segments Prone to Erosion

County	Route	Post Mile Range Start	Post Mile Range End	Regional Board	Watershed	Scheduled Stabilization Date
SON	101	9.105	R56.219	1/2	Russian River/ Petaluma River	TBD
ALA	084	12.425	14.832	2	Alameda Creek	Fall 2016
NAP	029	11.095	41.245	2	Napa River/Putah Creek	TBD
NAP	128	0.720	28.500	2/5	Napa River/Putah Creek	TBD
MRN	101	2.507	3.003	2	San Francisco Bay	TBD
SON	116	12.613	19.612	1	Russian River	TBD
SON	116	9.431	9.708	1	Russian River	TBD
SON	116	6.986	7.079	1	Russian River	TBD
SON	116	R5.427	R5.915	1	Russian River	TBD
SON	116	2.028	2.129	1	Russian River	TBD
SON	001	20.100	32.519	1	Russian River/Russian Gulch/Gualala River	TBD
SON	001	35.048	35.350	1	Gualala River	TBD

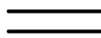
Figure 5-1 is a map showing California State Highway System areas that required maintenance within District 4 in 2013, including rock cut slopes, landslides, and moderate soil erosion.

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Figure 5-1: District 4 2013 Areas Prone to Erosion



Legend

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

Areas Prone to Erosion

DIST	CO	ROUTE	PM1	PM2
4	ALA	084	12.425	14.832
4	MRN	101	2.507	3.003
4	NAP	029	11.095	41.245
4	NAP	128	0.720	28.500
4	SON	001	20.100	32.519
4	SON	001	35.048	35.350
4	SON	101	9.105	R56.219
4	SON	116	2.028	2.129
4	SON	116	6.986	7.079
4	SON	116	9.431	9.708
4	SON	116	12.613	19.612
4	SON	116	R5.427	R5.915



State of California
Department of Transportation
Division of Maintenance GIS
July 21, 2013

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\2013_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 activities 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. Within the Lake Tahoe Hydrologic Unit
4. A supplemental environmental project
5. 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
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 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 activities involving water bodies that may require action by the RWQCB under Section 401 of the CWA. Information associated with the activities includes location, affected water body, and area of disturbance. In addition, this section also describes the planned activities associated with municipal coordination, stormwater monitoring, and public education within the District; however, these activities may be conducted jointly with other Districts and HQ. Consequently, 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 ³	Dredge and Fill Activities (Y/N/NA) ⁴	Other Regional Water Board Permits Required ⁵	Potential and Actual Impacts of Project's Discharge ⁶	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) ⁷	Post-Construction Treatment Control Type, Quantity ⁸	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board											PA&ED Date	PS&E Date	Start Date	End Date
1	0120M	ALA	80	1	1.7	2	San Francisco-Oakland Bay Bridge Seismic Safety	San Francisco Bay-Central (303d)	Y	N/A	-	13.1	8.8	-	SWPPP	BS, 2 D, 3	11-Jul-01	1-Jun-09	1-Aug-11	1-Nov-14
2	160300	ALA	84	13	13.6	2	Remove and replace Alameda Creek Bridge	Alameda Creek	Y	N/A	-	2.14	0.097	-	SWPPP	Bio-filtration swales and Storage pipe	1-Apr-11	1-Sept-12	1-Jun-15	1-Oct-15
3	4A070	ALA	580	4.9	8.2	2	Widening	Arroyo Las Positas (303d)	Y	N/A	-	27	6.0	-	SWPPP	BS, 5	31-Jan-10	1-Mar-11	1-May-12	30-Nov-14
4	15310	ALA	680	0	21.9	2	Install Ramp Metering and Traffic operation Systems such as TMS, CC	Coyote Creek	N	N/A	-	1.92	-	-	SWPPP	BS, 3	10-Jun-13	8-Oct-13	15-May-14	15-Aug-15
5	3A920	ALA	880	22	25.5	2	Southbound High Occupancy Vehicle Lane	San Lorenzo Creek (303d), San Leandro Creek (303d), San Francisco Bay-Lower (303d)	Y	N/A	-	6.3	-	-	SWPPP	C	1-Nov-09	1-May-11	1-Jun-12	1-Nov-14
6	1A660	MRN	101	7.1	9	2	Improve 101/SIR Francis Drake Blvd and Tamalpais Dr. Interchange	Corte Madera Creek and SF Bay	Y	N/A	-	63	8.35	30%	SWPPP	BS, tbd	15-Apr-12	31-Dec-13	15-Sep-14	31-Oct-17
7	26407	MRN	101	R23.2	27.1	2	MSN B1	Petaluma River (303d)	Y	N/A	-	40	-	-	SWPPP	BS	NA	FY 11/12	1-Jun-12	1-Dec-14
8	28120	NAP	221	0	1.6	2	Construct Southbound Flyover from Route 221 to Route 29/12	Soskol Creek	Y	N/A	-	10	-	-	SWPPP	BS, 4 D, 1	1-Mar-10	1-Aug-13	16-May-14	5-Jun-19
9	2A110	NAP	121	20.2	20.4	5	Bridge Replacement	Capell Creek,	Y	N/A	-	1.2	.10	-	SWPPP	-	22-Jun-11	16-Aug-12	13-Mar-13	1-Aug-15
10	25940	NAP	29	41	45.7	2	Roadway Rehabilitation	Napa River (303d)	Y	N/A	-	6.6	5.66	-	SWPPP	BS, 6	29-Jun-07	1-Sep-11	1-Aug-11	1-Aug-16
11	2A430	SCL	9	2.5	7	2	Widen Lanes and Shoulders	Saratoga Creek (303d), Calabazas Creek (303d)	N	N/A	-	2.6	0.32	-	SWPPP	E	1-Feb-10	15-Jun-11	1-Feb-14	1-Oct-16
12	3A160	SCL	101	0	2.3	3	Roadway Widening	San Benito River (303d), Pajaro River (303d)	Y	N/A	-	432	-	-	SWPPP	BS, 23	1-Nov-10	1-Aug-12	31-Jan-13	3-Dec-14
13	15330	SCL	101	0	26.7	2	Install TOS/HOV Ramp Metering	Coyote Creek	N	N/A	-	12.4	4.8	-	SWPPP	-	19-Mar-12	3-Dec-12	1-Aug-13	1-Aug-15

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

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

⁵ 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.

⁶ 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.

⁷ 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.

⁸ 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

No.	EA	Project Location					Project Description ^{1, 2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Other Regional Water Board Permits Required ⁵	Potential and Actual Impacts of Project's Discharge ⁶	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) ⁷	Post-Construction Treatment Control Type, Quantity ⁸	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board											PA&E Date	PS&E Date	Start Date	End Date
14	4A790	SCL	85,101	Various	Various	2	Express Lane (DW)	Alamitos Creek (303d), Coyote Creek (303d), Guadalupe River (303d), Los Gatos Creek (303d), Stevens Creek (303d), Saratoga Creek (303d), San Francisco Bay - South (303d)	NA	N/A	-	61	32	-	SWPPP	C	12-Jul-12	28-Feb-13	31-Jan-14	1-Jul-15
15	2G710	SCL	101	16	52.5	2	Convert HOV lanes to Expressway	Var	N	N/A	-	720	43.5	-	SWPPP	-	31-Dec-13	1-Oct-14	1-Nov-14	15-Oct-16
16	0120T	SF	80	7.8	8.2	2	Yerba Buena Island Transition Structures Contract No. 2	San Francisco Bay-Central (303d)	Y	N/A	-	3.5	-	-	SWPPP	BS, 2 D, 3	1-Jul-01	31-Mar-11	1-May-12	1-Nov-14
17	01352	SF/Ala	80	8.6, 8.8 (SF)	1.2 (Ala)	2	SFOBB East Span Structure Demolition	San Francisco Bay		N/A	-	1.5	0	-	SWPPP	-	11-Jul-01	4-Apr-13	4-May-14	1-Sep-16
18	0A534	SOL	12 & 80	2.5 & 11.3	12.9	2	Interchange Construction	Jameson Canyon Creek, Green Valley Creek, Suisun Marsh Wetlands (303d)	Y	N/A	-	35.1	8.1	-	SWPPP	BS, 1	NA	1-Mar-11	1-Jul-13	1-Sep-15
19	1A290	SON	12	9.63	9.63	1	Bridge Replacement	Laguna De Santa Rosa		N/A	-	3.2	0.55	-	SWPPP	BS, 1	25-Jun-10	12-Oct-12	1-Jun-14	1-Dec-15
20	2640C	SON	101	2.2	4.1	2	Highway Reconstruction and Bridge Replacement and Widening	Petaluma River (303d)	Y	N/A	-	34.2	8.4	-	SWPPP	BS, 7	9-Mar-09	8-Mar-10	1-Aug-15	1-Dec-17
21	2640U	SON	101	0.9	3.6	2	MSN B2/B4 - Petaluma Blvd Interchange	Petaluma River (303d)	Y	N/A	-	32.4	-	-	SWPPP	BS, 19	5-Jun-09	30-Jul-10	1-Aug-12	1-Aug-15
22	3A220	Various	Various	Various	Various	2 & 5	Install Traffic Operations System Equipment	Suisun Marsh Wetlands (303d), Carquinez Strait (303d), Sacramento River (303d), Chabot Creek, Suisun Bay (303d), Napa River (303d)	NA	N/A	-	4	-	-	SWPPP	E	1-Apr-07	1-Dec-09	1-Sep-12	1-Sep-14

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
IF	Infiltration Device – Water quality volume (WQV) 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 planned maintenance activities that disturb soil and involve water bodies that may require action by the RWQCB under Section 401 of the Clean Water Act.

Table 6-2: District 4 Anticipated Maintenance Activities and Other Management Practices

Significant Road Maintenance Activities															
No.	Co.	Route	PM	Regional Board	Description	Water Bodies Affected ⁹	Other Regional Water Board Permits Required ¹⁰	Potential and Actual Impacts of Project's Discharge ¹¹	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) ¹²	Post-Construction Treatment Control Type, Quantity ¹³	Start Date	Completion Date
1	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 2014	Winter 2014
2	ALA	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 2014	Winter 2014
3	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 2014	Winter 2014
4	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 2014	Winter 2014
5	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 2014	Winter 2014
6	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 2014	Winter 2014
7	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 2014	Winter 2014
8	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 2014	Winter 2014
9	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 2014
10	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 2014	Winter 2014
11	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 2014	Winter 2014
12	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 2014	Winter 2014
13	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 2014	Winter 2014
14	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 2014	Winter 2014
15	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 2014	Winter 2014
16	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 2014	Winter 2014
17	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 2014	Winter 2014
18	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	-
19	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	-
20	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
21	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	-
22	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	-
23	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 2014	Winter 2015

⁹ 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."

¹⁰ 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.

¹¹ 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.

¹² 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.

¹³ 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 Activities and Other Management Practices

Significant Road Maintenance Activities															
No.	Co.	Route	PM	Regional Board	Description	Water Bodies Affected ⁹	Other Regional Water Board Permits Required ¹⁰	Potential and Actual Impacts of Project's Discharge ¹¹	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) ¹²	Post-Construction Treatment Control Type, Quantity ¹³	Start Date	Completion Date
24	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 2014	Winter 2015
25	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 2014	Winter 2015
26	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 2014	Winter 2015
27	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 2014	Winter 2015
28	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 2014	Winter 2015
29	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 2014	Winter 2015
30	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 2014	Winter 2015
31	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 2014	Winter 2015
32	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 2014	Winter 2015
33	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 2014	Winter 2015
34	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 2014	Winter 2015
35	SM	1	37.09	2	Remove silt/tules	Purissima Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
36	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 2014	Winter 2015
37	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 2014	Winter 2015
38	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 2014	Spring 2015
39	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 2014	Spring 2015
40	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 2014	Spring 2015
41	SM	35	3.56	2	Riprap	San Lorenzo River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Spring 2015
42	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 2014	Spring 2015
43	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 2014	Spring 2015
44	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 2014	Spring 2015
45	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 2014	Spring 2015
46	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 2014	Spring 2015
47	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 2014	Spring 2015
48	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 2014	Spring 2015
49	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 2014	Spring 2015
50	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 2014	Spring 2015
51	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 2014	Winter 2015
52	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 2014	Winter 2015

Table 6-2: District 4 Anticipated Maintenance Activities and Other Management Practices

Significant Road Maintenance Activities															
No.	Co.	Route	PM	Regional Board	Description	Water Bodies Affected ⁹	Other Regional Water Board Permits Required ¹⁰	Potential and Actual Impacts of Project's Discharge ¹¹	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) ¹²	Post-Construction Treatment Control Type, Quantity ¹³	Start Date	Completion Date
53	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 2014	Winter 2015
54	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 2014	Spring 2015
55	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 2014	Spring 2015
56	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 2014	Spring 2015
57	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 2014	Spring 2015
58	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 2014	Spring 2015
59	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 2014	Spring 2015
60	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 2014	Spring 2015
61	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 2014	Spring 2015
62	SCL	101	40	2	Remove silt	Guadalupe River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2013	Winter 2015
63	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 2014	Winter 2015
64	SCL	680	8.3	2	Remove silt	Tularcitos Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Spring 2015
65	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 2014	Winter 2015
66	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 2014	Winter 2015
67	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 2014	Winter 2015
68	SCL	152	12.3	3	Remove silt	Dexter Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
69	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 2014	Winter 2015
70	SCL	152	13.8	3	Remove silt	Jones Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
71	SCL	152	14.8	3	Remove silt	Llagas Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
72	SCL	152	16.31	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
73	SCL	152	16.44	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
74	SCL	152	16.54	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
75	SCL	152	16.58	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
76	SCL	152	16.78	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
77	SCL	152	16.83	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
78	SCL	152	16.9	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
79	SCL	152	17.1	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
80	SCL	152	17.33	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
81	SCL	152	17.42	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015

Table 6-2: District 4 Anticipated Maintenance Activities and Other Management Practices

Significant Road Maintenance Activities															
No.	Co.	Route	PM	Regional Board	Description	Water Bodies Affected ⁹	Other Regional Water Board Permits Required ¹⁰	Potential and Actual Impacts of Project's Discharge ¹¹	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) ¹²	Post-Construction Treatment Control Type, Quantity ¹³	Start Date	Completion Date
82	SCL	152	17.47	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
83	SCL	152	17.91	3	Remove silt	Pajaro River	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
84	SCL	152	18	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
85	SCL	152	18.3	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
86	SCL	152	19.6	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
87	SCL	152	24.08	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
88	SCL	152	24.3	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
89	SCL	152	24.65	3	Remove silt	Pacheco Creek	N/A	N/A	N/A	N/A	N/A	Maintenance BMPs	N/A	Winter 2014	Winter 2015
90	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 2014	Summer 2015
91	ALA	80	0-1.99	2	Bridge Painting (SFOBB)	SF Bay Estuary	N/A	N/A	N/A	N/A	N/A	Caltrans Maintenance Staff Guide, 100% debris containment	N/A	Spring 2014	Summer 2015
92	ALA	84	3.2	2	Bridge Painting (Dumbarton)	SF Bay Estuary	N/A	N/A	N/A	N/A	N/A	Caltrans Maintenance Staff Guide, 100% debris containment	N/A	Spring 2014	Summer 2015
93	ALA	92	0-3	2	Bridge Painting (San Mateo)	SF Bay Estuary	N/A	N/A	N/A	N/A	N/A	Caltrans Maintenance Staff Guide, 100% debris containment	N/A	Spring 2014	Summer 2015
94	CC	580	6.1-7.7	2	Bridge Painting (Richmond-San Rafael)	SF Bay Estuary	N/A	N/A	N/A	N/A	N/A	Caltrans Maintenance Staff Guide, 100% debris containment	N/A	Spring 2014	Summer 2015
95	CC	680	25-25.4	2	Bridge Painting (Benicia- Martinez)	SF Bay Estuary	N/A	N/A	N/A	N/A	N/A	Caltrans Maintenance Staff Guide, 100% debris containment	N/A	Spring 2014	Summer 2015
96	SF	80	4.9-8.8	2	Bridge Painting (SFOBB)	SF Bay Estuary	N/A	N/A	N/A	N/A	N/A	Caltrans Maintenance Staff Guide, 100% debris containment	N/A	Spring 2014	Summer 2015

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
IF	Infiltration Device – Water quality volume (WQV) 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
*	Disturbed Area not available at this time
Blank	1) Treatment BMPs have been considered, but cannot be incorporated or 2) No SWDR at this time

Table 6-3 lists the District’s planned general program management practices, such as monitoring activities, public education and participation, municipal coordination, including any cooperative agreements that may be in effect with local agencies.

Table 6-3: District 4 General Management Practices

Monitoring 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 two years.
Public Education and Participation
<p>The District Plans to:</p> <ul style="list-style-type: none"> Continue to combat litter in conjunction with our Public Information Office, Adopt-A-Highway, California Highway Patrol (CHP) Offices, and Office of Safety Departments by supplying “Don’t Trash California” stormwater literature for their offices and events, for distribution to the public. Continue to participate in the Caltrans/CHP Quarterly Cleanups and make an enhanced effort to sweep and pick up trash under CHP enforcement. Additional advertising options will be identified to broadcast the “Don’t Trash California” message, such as Overhead Changeable Message Signs. Continue to assess the status of Drainage Inlet Markers, and replace them as needed. The District will continue to loan the “Don’t Trash California” 30-second Public Service Announcements in English and Spanish to cities’ Local Cable Access channels for airing. In addition, now that it’s available in DVD format, make it available to smaller groups. The District may staff a booth to distribute literature and promotional material at events such as “BART’s Blue Sky Festival,” “Coastal Cleanup Day,” “State Agency Fairs,” the “San Francisco Street Fair,” the “Oakland Earth Expo,” the “Keep California Beautiful Conference,” “Great American Litter Pickup Day,” “Truck Driver’s Appreciation Day,” and other events. We will continue to work with various school districts to distribute our stormwater educational materials.
Municipal Coordination
<p>The District plans to:</p> <ul style="list-style-type: none"> Continue to attend the Municipal Separate Storm Sewer System (MS4)/NPDES meetings during the reporting period with other permitted municipalities: the Alameda County Clean Water Program (ACCWP); Contra Costa Clean Water Program (CCCWP); Marin County Stormwater Pollution Prevention Program (MCSTOPPP); San Mateo Countywide Water Pollution Prevention Program (SMCWPPP); Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP); Santa Rosa Area NPDES; and the Marin, Napa, Solano, and Sonoma Stormwater Agencies (MNISSA). The members of these organizations are responsible for complying with the requirements of MS4/NPDES permits issued by the San Francisco Bay RWQCB. Notify the municipalities, via written correspondence, of any illicit discharges or connections discovered within Caltrans’ right-of-way and associated with a municipality’s jurisdiction. This includes immediately reporting this information to the RWQCB, if appropriate. Discuss and participate in any possible public outreach programs opportunities that are sponsored by the municipalities. Continue to attend TMDL meetings and workshops as needed to gain information relative to Caltrans and coordinate as necessary on TMDLs where Caltrans has been identified as a stakeholder. Seek opportunities to collaborate with the MS4 permittees to increase public education efforts within the District. Support and work with the Bay Area Stormwater Management Agencies Association (BASMAA), and the California Stormwater Quality Association (CASQA). Attend meetings and workshops pertaining to Areas of Special Biological Significance (ASBS) where Caltrans has identified discharges for ASBS sites within the District. Make some of our District stormwater training courses available to local agencies, and attending the training opportunities and presentations by local agencies.

Table 6-3: District 4 General Management Practices

The District has the following cooperative agreements in effect with local agencies:						
County	Route	Begin PM	End PM	Regional Board	Local Agency	Purpose of Agreement
ALA	80	1.4	3.9	2	Association of Bay Area Governments (ABAG)	Construct San Francisco-Oakland Bay Bridge (SFOBB) East Span Seismic Safety Project
ALA	580	R4.7	R8.2	2	City of Dublin	Construct Interstate Route 580 Truck Climbing Lane Project

7 Region-Specific Activities

Section 7 of the DWP describes and identifies the applicable region-specific activities that District 4 has planned for the fiscal year to address total maximum daily loads (TMDLs), for which the District has been identified as a stakeholder, and other region-specific requirements from Attachment V 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) if applicable to the District.

Total Maximum Daily Loads

A summary of planned District projects and participation efforts for TMDL compliance is provided. This information may include a general discussion of the load allocation assessment, approach, or strategy for achieving allocations under an Implementation Plan, and the coordination of activities with other stakeholders during the next fiscal year.

For each TMDL, the District develops a plan to conduct activities that will achieve TMDL compliance objectives. The activities may include designing or constructing structural BMPs, depending on the pollutant and level of mitigation required by the TMDL, or non-structural controls, such as maintenance activities, municipal coordination, and partnerships. The District strives to meet TMDL compliance objectives as it continues to work with the RWQCB to achieve the maximum feasible pollutant reduction.

Table 7-1 lists TMDL compliance activities for each TMDL in District 4 for which Caltrans has been assigned a Waste Load Allocation (WLA), an implementation plan has been approved, and has a compliance deadline.

For each TMDL listed in the table, the following is indicated:

- RWQCB
- Water Body Name
- Pollutant
- Load Reduction Implementation Date – the timeframe to achieve load reduction goals
- Monitoring – compliance alternatives for implementing mitigation measures to comply with the TMDL, including, if known, a time frame for development of the compliance alternatives
- TMDL Municipal/Stakeholder Coordination – Coordination with municipalities and local stakeholders on how to meet load reduction goals and the proposed BMPs to be implemented in coordination with municipal and other stakeholders (if applicable)
- Planned Actions – specific activities the District intends to conduct during the fiscal year to comply with the TMDL by the deadline.

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Table 7-1: District 4 TMDL Activities

District	Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
1, 2 & 4	1	TMDL Implementation Policy for Sediment Impaired Waters	11/29/2004	Prevent, minimize where possible, otherwise compensate	Ongoing	-	Pending	Continue implementing SWMP; Work with RB to find watershed specific solutions; RB will revise SWMP
4	2	San Francisco Mercury TMDL	2/11/2008	Achieve 50% WLA (Interim target)	2/8/2018	The concentrations of mercury and methyl mercury in the discharge must be monitored.	Caltrans District 4 has prepared a draft workplan to outline an approach toward compliance. Municipal coordination is recommended in the draft TMDL work plan dated 11-18-2008. District 4 met with the Regional Board in February 2010 to discuss methods of compliance toward this TMDL.	District 4 is initiating a monitoring request to look at sources of mercury within the right of way. District 4 has list of Treatment BMPs within the watershed, constructed after the baseline for the TMDL.
				Achieve 100% WLA (Final Target)	2/6/2028	-	-	-

Table 7-1: District 4 TMDL Activities

District	Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
4	2	Richardson Bay Pathogens TMDL	12/18/2009	Implement applicable stormwater management plan (the date to be specified in SWMP and NPDES permit)	12/17/2010	RB is not requiring additional monitoring	No municipal coordination is required at this time.	Caltrans District 4 is implementing the current requirements of the SWMP and NPDES permit. District 4 may initiate a monitoring request.
				Update/amend applicable SWMP, as appropriate, to include specific measures to reduce pathogen loading, including additional education and outreach efforts, and installation of additional pet waste receptacles (as specified in permit)	12/17/2010	RB is not requiring additional monitoring	No municipal coordination is required at this time.	Continue implementing permit and SWMP.
				Report progress on implementation of pathogen reduction measures to Water Board (as specified in permit)	12/17/2011	RB is not requiring additional monitoring	No municipal coordination is required at this time.	Continue implementing permit and SWMP.
4	2	San Francisco PCBs TMDL	3/29/2010	Implement pilot scale control measures	3/28/2015	Determine Caltrans concentrations of PCBs in runoff	Cleanup of hotspots on land and treatment of highly contaminated runoff	Caltrans District 4 is implementing the current requirements of the SWMP and NPDES permit. District 4 is planning to initiate a monitoring request to look at sources of PCBs within the right of way.
				Achieve 100% WLA (Final Target)	3/28/2030	-	-	-

Table 7-1: District 4 TMDL Activities

District	Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
4	2	Napa Sediment/ Sedimentation TMDL	9/1/2010	Submit Report of Waste Discharge to Water Board	9/2/2015	No monitoring required	No municipal coordination is required	Caltrans District 4 is implementing the current requirements of the SWMP and NPDES permit.
				Adopt and implement BMPs for maintenance of roads	10/1/2014	-	-	-
4	2	Sonoma Sediment/ Sedimentation TMDL	12/1/2010	Submit Report of Waste Discharge to Water Board	6/1/2014	No monitoring is required at this time	No municipal coordination is required at this time	Caltrans District 4 is implementing the current requirements of the SWMP and NPDES permit.
				Adopt and implement BMPs for maintenance of roads	9/2/2014	-	-	-
4	2	Guadalupe River Mercury TMDL	6/1/2010	Submit coordinated watershed monitoring plan to Executive Officer	5/31/2011	-	-	-
				Participate in a coordinated watershed monitoring program	5/31/2011	-	-	-
				Review new information and amend TMDL, if necessary (Regional Board task)	5/29/2017	-	-	-
				Complete special studies	12/31/2017	-	-	-
				Participate in special study 3b (optional)	12/31/2021	-	-	-
				Final targets to be attained	12/31/2028	-	-	-

Table 7-1: District 4 TMDL Activities

District	Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
4	2	San Francisco Urban Creeks Diazinon and Pesticides TMDL	6/1/2010	Implement control measures to reduce pesticides in runoff to the maximum extent practicable (reduce reliance on pesticides, track progress, train employees and require contractors to use integrated pest management techniques, and study the effectiveness of control measures implemented, target attainment, and future actions)	6/1/2015	Determine Caltrans concentrations of diazinon in runoff.	-	Recommended-Source Control /Public Education

Other Region-Specific Requirements

Caltrans District 4 will collaborate with the State Water Board to meet the following additional requirements in the new Order 2012-0011-DWQ:

North Coast Region

Activities to Address Sediment Sources within Sediment Impaired Watersheds

North Coast Regional Water Quality Control Board Resolution R1-2004-0087 directs its staff to utilize existing regulatory programs to address sources of sediment within sediment impaired watersheds. Caltrans owns road right-of-way and other property within watersheds that are listed as impaired for sediment. Some of these facilities have sources of sediment (eroding shoulders, failed culverts, unstabilized cut and fill slopes, etc.) that discharge into sediment impaired waterbodies. Consistent with Resolution R1-2004-0087 and the Water Quality Control Plan for the North Coast Region, Caltrans shall take the following steps in watersheds listed for sediment to identify, prioritize and control sources of sediment that discharge anthropogenic amounts of sediment into impaired waters. These requirements are in addition to any watershed-specific TMDL implementation requirements listed in Attachment IV of this Order. Steps to be taken include:

- a. **Inventory:** Identify sources of excess sediment or threatened discharge, and quantify the discharge or threatened discharges from the source(s).
- b. **Prioritize:** Prioritize efforts to control discharge of excess sediment based on, but not limited to, severity of threat to water quality and beneficial uses, the feasibility of source control, and source site accessibility. The inventory and prioritized steps shall be completed within two (2) years of the adoption of this Order and updated annually.
- c. **Implement:** Develop and implement feasible sediment control practices to prevent, minimize, and control the discharge.
- d. **Monitor and Adapt:** Use monitoring results to direct adaptive management measures in order to refine and adjust erosion control practices and implementation schedules, until sediment discharge is reduced and no longer causes a violation of any sediment related narrative or numeric objective.

Riparian Vegetation Removal

Removal of riparian vegetation may result in a threatened discharge or an exceedance of a water quality objective. The North Coast Region has many watersheds that are impaired for excess sediment and temperature. Riparian vegetation shall be protected and restored to the greatest extent feasible and removal may require permitting by the Regional Water Board.

San Francisco Bay Region

Trash Load Reduction

The District's activities will include the following:

- a. Caltrans shall demonstrate compliance with Discharge Prohibition 7, Table 4-1 of the San Francisco Bay Regional Water Board Basin Plan¹⁴ through the timely implementation of control measures to achieve the following target levels to reduce trash loads from Caltrans' MS4 by 40% by 2017, 70% by 2020, and 100% by 2025.

¹⁴ San Francisco Bay Basin Plan, Chapter 4 – Implementation, Table 4-1 Prohibitions, Prohibition 7, which is consistent with the State Water Board's Enclosed Bays and Estuaries Policy, Resolution 95-84, prohibits the discharge of rubbish, refuse, bark, sawdust, or other solid wastes into surface waters or at any place where they would contact or where they would be eventually transported to surface waters, including flood plain areas.

b. Trash Load Reduction Plans

- i. Short-Term Trash Loading Reduction – Caltrans shall submit a Short-Term Trash Load Reduction Plan, including an implementation schedule, to the Regional Water Board by July 1, 2013. The Plan shall describe control measures and best management practices that are currently being implemented and the current level of implementation and additional control measures and best management practices that will be implemented, and/or an increased level of implementation designed to attain a 40 percent trash load reduction from its MS4 by July 1, 2017. The Plan shall account for the Minimum Full Trash Capture requirement of subsection 2.b.iii of this Part.
- ii. Long-Term Trash Load Reduction - Caltrans shall submit a Long-Term Trash Load Reduction Plan, including an implementation schedule, to the Regional Water Board by October 1, 2017. The Plan shall describe control measures and best management practices that are being implemented and the level of implementation and additional control measures and best management practices that will be implemented and/or increased level of implementation designed to attain a 70 percent trash load reduction from its MS4 by July 1, 2020, and 100 percent trash load reduction by July 1, 2025.

Caltrans may choose to establish a municipal-coordination plan to design, build, operate, or maintain controls in conjunction with other watershed stakeholders. The Short-Term Trash Load Reduction Plan goal may be met with Department specific activities and devices, or from load reduction resulting from municipal-coordination implementation or any combination thereof.

- iii. Baseline Trash Load and Trash Load Reduction Tracking Method – Caltrans shall determine the baseline trash load from its MS4 to establish the basis for trash load reductions from its MS4 and submit the determined baseline trash load level to the Regional Water Board by July 1, 2013, along with documentation of methodology used to determine the load level. The submittal shall also include a description of the trash load reduction tracking method that will be used to account for trash load reduction actions and to demonstrate progress toward and attainment of trash load reduction levels. The submittal shall account for the drainage areas in Caltrans’ jurisdiction that are associated with the baseline trash load from its MS4, and the baseline trash load level per unit drainage area characteristics used to derive the total baseline trash load level.

In the determination of applicable areas that generate trash loads for inclusion in the Baseline Trash Load, Caltrans may propose areas for exclusion, with supporting documentation that the areas demonstrate no material trash presence.

- iv. Minimum Full Trash Capture – Caltrans shall install and maintain controls to capture and treat runoff from an area that cumulatively totals at least ten percent of Caltrans’ right-of-way by July 1, 2017.

All installed devices that meet the following full trash capture definition may be counted toward this requirement regardless of date of installation. A full capture system or device is any single device or series of devices that traps all particles retained by a 5 mm mesh screen and has a design treatment capacity of not less than the peak flow rate Q resulting from a one-year, one-hour, storm in the subdrainage area.

Caltrans may choose to establish a municipal coordination plan to design, build, operate, and/or maintain controls in conjunction with other watershed stakeholders. The minimum trash capture requirement may be met with Department specific activities and devices, or from load reduction resulting from municipal coordination

implementation, or any combination thereof, so long as the municipal coordination is a full capture device.

c. **Trash Reduction Reporting**

In each Annual Report, Caltrans shall provide a summary of its trash load reduction actions (control measures and best management practices) including the types of actions and levels of implementation, and the total trash loads by volume removed. Beginning with the 2014 Annual Report, Caltrans shall also report its percent annual trash load reduction relative to its Baseline Trash Load.

Storm Water Pump Stations

Caltrans shall comply with the following implementation measures to reduce polluted water discharges from its pump stations:

- a. Complete an inventory of pump stations within Caltrans' jurisdiction in Region 2, including locations and key characteristics¹⁵ and submit to the Regional Water Board within one year of permit adoption.
- b. Inspect and collect dissolved oxygen (DO) data from 20 percent of the pump stations once a year (100 percent in five years) after a minimum of a two week antecedent period with no precipitation. DO monitoring is exempted where all discharge from a pump station remains in the storm water collection system or infiltrates into a dry creek immediately downstream.
- c. If DO levels are at or below 3 milligrams per liter (3 mg/L), apply corrective actions, such as continuous pumping at a low flow rate, aeration, or other appropriate methods to maintain DO concentrations of the discharge above 3 mg/L.
- d. Report inspection and monitoring results in the Annual Report.

¹⁵ Characteristics include name of pump station, latitude and longitude in NAD83, number of pumps, drainage area in acres, dominant land use(s), first receiving water body, maximum pumping capacity of station in gallons per minute (gpm), flow measurement capability (Y or N), flow measurement method, average wet season discharge rate in gpm, dry season discharge (Y, N, or unknown), nearest municipal wastewater treatment plant, wet well storage capacity in gallons, trash control (Y or N), trash control measure, and date built or last updated.

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