

THIS REPORT IS PROVIDED AS AN EXAMPLE ONLY. ALL PROJECT INFORMATION, NAMES, AND DATES ARE FICTITIOUS. THIS IS NOT INTENDED TO BE A FINAL REPRESENTATION OF THE WORK DONE OR RECOMMENDATIONS MADE BY CALTRANS FOR AN ACTUAL PROJECT.

Short Form - Storm Water Data Report



Dist-County-Route: 04-Sol-80
 Post Mile Limits: 20.1/30.6
 Project Type: Maintenance
 Project ID (or EA): 04-XXXXXX
 Program Identification: _____
 Phase: PID
 PA/ED
 PS&E

Regional Water Quality Control Board(s): San Francisco Bay Region 2

- | | | | |
|----|--|------------------------------|--|
| 1. | Is the project required to consider incorporating Treatment BMPs? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 2. | Does the project disturb 5 or more acres of soil? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 3. | Does the project disturb more than 1 acre of soil and not qualify for the Rainfall Erosivity Waiver? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 4. | Does the project potentially create permanent water quality impacts? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 5. | Does the project require a notification of ADL reuse | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If the answer to any of the preceding questions is "Yes", prepare a Long Form – Storm Water Data Report.

Estimate Construction Start Date: 05/01/2011 Construction Completion Date: 08/01/2012
 Separate Dewatering Permit (if yes, permit number) Yes Permit # _____ No
 Erosivity Waiver Yes Date: _____ No

This Short Form – Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.



[Stamp Required for PS&E only]

Betsy Ross 10/08/10
 [Betsy Ross], Registered Project Engineer/Landscape Architect Date
 I have reviewed the stormwater quality design issues and find this report to be complete, current and accurate:

Friedrich Wilhelm von Steuben 10/08/10
 [Friedrich Wilhelm von Steuben], District/Regional SW Date
 Coordinator or Designee

1. Project Description

The Pavement Rehabilitation Project (Project) for Interstate 80 (I-80) in Solano County is located in the cities of Fairfield and Vacaville between Post Mile (PM) 20.1 and 30.6. There is a small segment between Soda Springs Road and Blue Mountain Drive within the Project limits that is in an unincorporated area of Solano County. The Project consists of crack, seal and overlay on the mainline with 0.45 feet of hot mix asphalt (HMA) with shoulder backing in both directions of I-80.

Per the EPA definition for the CGP, this project is considered routine maintenance because it maintains the original line and grade, hydraulic capacity, and original purpose of the facilities. This project provides preventative maintenance to existing highway facilities and will maintain existing facility functions. Since this project is routine maintenance, it is exempt from the Construction General Permit requirements.

The total disturbed soil area (DSA) for the Project is 0.10 acres. The DSA was calculated by examining areas for construction staging areas only. No areas of cut or fill are anticipated for the Project, and areas of proposed shoulder backing are exempt from DSA calculations. There is no net added impervious area. Because the Project is an overlay Project with a low soil disturbance and no change in impervious area, there are minimal anticipated impacts to downstream water bodies. Further, because the DSA is less than one ac, the project is exempt from the Construction General Permit and associated risk assessment.

The Fairfield-Suisun Sewer District is a Phase I Municipal Separate Storm Sewer System (MS4) Permittee, and Solano County is a Phase II MS4 Permittee.

Laurel Creek, Laguna Creek, Alamo Creek, Ulatis Creek, and Horse Creek are the project's receiving water bodies. Laguna, Alamo, Ulatis and Horse Creeks are not listed on the 2006 State Water Resource Control Board (SWRCB) 303(d) list for Water Quality Limited Segments. Laurel Creek is listed due to high levels of diazinon, which is not a Caltrans targeted design constituent.

The *Water Quality Control Plan (Basin Plan)* for the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) (2006) does not list any beneficial uses for Laguna, Alamo, Ulatis, or Horse Creeks. The Basin Plan lists the following beneficial uses of Laurel Creek (under the Suisun Basin Hydrologic Unit):

- Water Contact Recreation (REC1)
- Non-Contact Water Recreation (REC2)
- Wildlife Habitat (WILD)
- Cold Fresh Water Habitat (COLD)
- Migration of Aquatic Organisms (MIGR)
- Spawning, Reproduction, and/or Early Development (SPWN)
- Warm Freshwater Habitat (WARM)
- Freshwater Replenishment (FRESH)

The contractor is responsible for securing locations for staging and storage. Measures to avoid or reduce potential impacts from the construction area will be specified in the Water Pollution Control Program (WPCP). The WPCP will be developed by the contractor and submitted to Caltrans for approval prior to the start of construction.

2. Construction Site BMPs

Because the DSA for this project is less than 1 acre, a Storm Water Pollution Prevention Plan (SWPPP) is not required. This project is thus expected to utilize a Water Pollution Control Program (WPCP).

Due to the small DSA, and the occurrence of construction during the dry season, sediment control and erosion control best management practices (BMPs) are not anticipated to be necessary.

Concrete wastes shall be managed through the use of concrete washout facilities.

Storm drain inlet protection shall be deployed throughout the project.

Temporary fence shall be utilized to protect vegetation. Locations of temporary fencing are shown on the project plans.

Various waste management, materials handling, and other housekeeping BMPs shall be used throughout the duration of the project. Stockpiles of various kinds are anticipated and shall be maintained with the appropriate BMPs.

The BMP costs for this Project are estimated based on the "Unit Costs" method presented in Appendix F.6.3 of the Caltrans *Project Planning and Design Guide* and are included in the supplemental attachments. Quantities are shown below.

On September 14, 2010, William Alexander, the Caltrans Construction Storm Water Coordinator, met with the design staff to review the Construction Site BMP strategy as described above. He concurred with the team on the proposed strategy. This is documented in the meeting minutes.

Temporary Construction Site BMPs

BEES	Temporary BMPs - PPDG Appendix C	SSP/nSSP (#, Y or N)	STD. Det. (Y or N)	Quantity	Unit
	Temporary Soil Stabilization				
071325	Temporary Fence (Type ESA)	07-446	Yes	9,940	ft

BEES	Temporary Sediment Control	SSP/nSSP (#, Y or N)	STD. Det. (Y or N)	Quantity	Unit
074029	Temp. Silt Fence	07-430	Yes	9940	ft
074035	Temporary Check Dams	07-415	Yes	180	LF
074041	Street Sweeping	07-360	No	1	LS
074038	Temp. Drainage Inlet Protection	07-490	Yes	88	EA

BEES	Temporary Waste Management Control	SSP/nSSP (#, Y or N)	STD. Det. (Y or N)	Quantity	Unit
	Scheduling		No	1	LS
CSM*	Material Delivery and Storage	07-346	No	1	LS
CSM*	Material Use	07-346	No	1	LS
CSM*	Stockpile Management	07-346	No	1	LS
CSM*	Solid Waste Management	07-346	No	1	LS
074043	Temp. Concrete Washout Bin	07-407	No	8	LS

BEES	Temporary Non-Storm Water Management	SSP/nSSP (#, Y or N)	STD. Det. (Y or N)	Quantity	Unit
CSM*	Vehicle and Equipment Cleaning	07-346	No	1	LS
CSM*	Vehicle and Equipment Fueling	07-346	No	1	LS
CSM*	Vehicle and Equipment Maintenance	07-346	No	1	LS
CSM*	*Construction Site Management	07-346	No	1	LS

BEES	Miscellaneous Items	SSP/nSSP (#, Y or N)	STD. Det. (Y or N)	Quantity	Unit
074017	Water Pollution Control (WPCP)	07-340	No	1	LS

3. Required Attachments¹

- Vicinity Map
- Evaluation Documentation Form
- Construction Site BMP Consideration Form

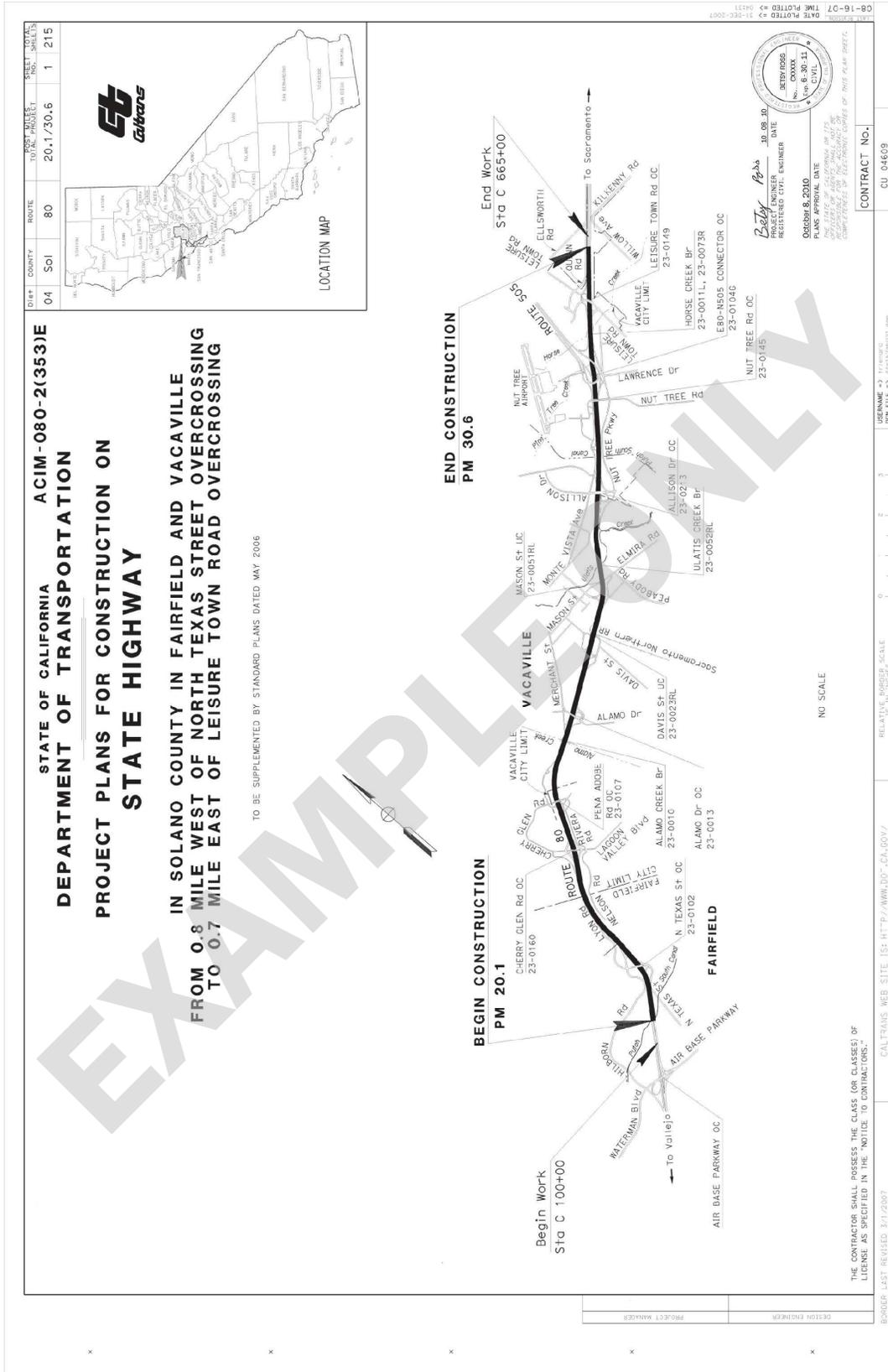
¹ Additional attachments may be required as applicable or directed by the District/Regional Design Storm Water Coordinator (e.g. BMP line item estimate, DPP, CS checklists, etc).

4. Supplemental Attachments

- Checklist CS-1, Parts 1, 2, 5, and 6
- SWDR Tracking Form
- Storm Water BMP Cost Summary (Caltrans internal use only)

EXAMPLE ONLY





Evaluation Documentation Form (EDF)

DATE: 10-08-10

Project ID (or EA): 04-XXXXXX

NO.	CRITERIA	YES ✓	NO ✓	SUPPLEMENTAL INFORMATION FOR EVALUATION
1.	Begin Project Evaluation regarding requirement for consideration of Treatment BMPs	✓		See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs. Go to 2
2.	Is this an emergency project?		✓	If Yes, go to 10. If No, continue to 3.
3.	Have TMDLs or other Pollution Control Requirements been established for surface waters within the project limits? Information provided in the water quality assessment or equivalent document.	✓		If Yes, contact the District/Regional NPDES Coordinator to discuss the Department's obligations under the TMDL (if Applicable) or Pollution Control Requirements, go to 9 or 4. <u>FWS</u> (Dist./Reg. SW Coordinator initials) If No, continue to 4.
4.	Is the project located within an area of a local MS4 Permittee?	✓		If Yes. (<u>Fairfield-Suisun Sewer District, Solano County</u>), go to 5. If No, document in SWDR go to 5.
5.	Is the project directly or indirectly discharging to surface waters?	✓		If Yes, continue to 6. If No, go to 10.
6.	Is it a new facility or major reconstruction?		✓	If Yes, continue to 8. If No, go to 7.
7.	Will there be a change in line/grade or hydraulic capacity?		✓	If Yes, continue to 8. If No, go to 10.
8.	Does the project result in a <u>net increase of one acre or more of new impervious surface</u> ?			If Yes, continue to 9. If No, go to 10. _____ <u>0</u> acres Net Increase New Impervious Surface
9.	Project is required to consider approved Treatment BMPs.			See Sections 2.4 and either Section 5.5 or 6.5 for BMP Evaluation and Selection Process. Complete Checklist T-1 in this Appendix E.
10.	Project is not required to consider Treatment BMPs. <u>FWS</u> (Dist./Reg. Design SW Coord. Initials) <u>BR</u> (Project Engineer Initials) <u>10.08.10</u> (Date)	✓		Document for Project Files by completing this form, and attaching it to the SWDR.

See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs

Construction Site BMP Consideration Form

DATE: 10-08-10

Project ID (or EA): 04-XXXXXX

Project Evaluation Process for the Consideration of Construction Site BMPs

NO.	CRITERIA	YES ✓	NO ✓	SUPPLEMENTAL INFORMATION
1.	Will construction of the project result in areas of disturbed soil as defined by the Project Planning and Design Guide (PPDG)?	✓		If Yes, Construction Site BMPs for Soil Stabilization (SS) will be required. Complete CS-1, Part 1. Continue to 2. If No, Continue to 3.
2.	Is there a potential for disturbed soil areas within the project to discharge to storm drain inlets, drainage ditches, areas outside the right-of-way, etc?	✓		If Yes, Construction Site BMPs for Sediment Control (SC) will be required. Complete CS-1, Part 2. Continue to 3.
3.	Is there a potential for sediment or construction related materials and wastes to be tracked offsite and deposited on private or public paved roads by construction vehicles and equipment?		✓	If Yes, Construction Site BMPs for Tracking Control (TC) will be required. Complete CS-1, Part 3. Continue to 4.
4.	Is there a potential for wind to transport soil and dust offsite during the period of construction?		✓	If Yes, Construction Site BMPs for Wind Erosion Control (WE) will be required. Complete CS-1, Part 4. Continue to 5.
5.	Is dewatering anticipated or will construction activities occur within or adjacent to a live channel or stream?		✓	If Yes, Construction Site BMPs for Non-Storm Water Management (NS) will be required. Complete CS-1, Part 5. Continue to 6.
6.	Will construction include saw-cutting, grinding, drilling, concrete or mortar mixing, hydro-demolition, blasting, sandblasting, painting, paving, or other activities that produce residues?	✓		If Yes, Construction Site BMPs for Non-Storm Water Management (NS) will be required. Complete CS-1, Parts 5 & 6. Continue to 7.
7.	Are stockpiles of soil, construction related materials, and/or wastes anticipated?	✓		If Yes, Construction Site BMPs for Waste Management and Materials Pollution Control (WM) will be required. Complete CS-1, Part 6. Continue to 8.
8.	Is there a potential for construction related materials and wastes to have direct contact with precipitation; stormwater run-on, or stormwater runoff; be dispersed by wind; be dumped and/or spilled into storm drain systems?	✓		If Yes, Construction Site BMPs for Waste Management and Materials Pollution Control (WM) will be required. Complete CS-1, Part 6. Continue to 9.
9.	End of checklist.	✓		Document for Project Files by completing this form, and attaching it to the SWDR.

Betsy Potts
 PE to initial after concurrence with Construction (PS&E only) 10/08/10
Date

**Construction Site BMPs
Checklist CS-1, Part 1**

Prepared by: B. Ross Date: 10-08-10 District-Co-Route: 04-Sol-80

PM : 20.1/30.6 Project ID (or EA): 04-XXXXXX RWQCB: San Francisco Bay

Soil Stabilization

General Parameters

1. How many rainy seasons are anticipated between begin and end of construction? 0
2. What is the total disturbed soil area for the project? (ac) 0.10
 - (a) How much of the project DSA consists of slopes 4:1 (h:v) or flatter? (ac) 0.10
 - (b) How much of the project DSA consists of 4:1 (h:v) < slopes < 2:1 (h:v)? (ac) 0
 - (c) How much of the project DSA consists of slopes 2:1 (h:v) and steeper? (ac) 0
 - (d) How much of the project DSA consists of slopes with slope lengths longer than 20 ft? (ac) 0
3. What rainfall area does the project lie within? (Refer to Table 2-1 of the Construction Site Best Management Practices Manual) 2
4. Review the required combination of temporary soil stabilization and temporary sediment controls and barriers for area, slope inclinations, rainy and non-rainy season, and active and non-active disturbed soil areas. (Refer to Tables 2-2, and 2-3 of the Construction Site Best Management Practices Manual for Rainfall Area requirements.) Complete

Scheduling (SS-1)

5. Does the project have a duration of more than one rainy season and have disturbed soil area in excess of 25 acres? Yes No
 - (a) Include multiple mobilizations (Move-in/Move-out) as a separate contract bid line item to implement permanent erosion control or revegetation work on slopes that are substantially complete. (Estimate at least 6 mobilizations for each additional rainy season. Designated Construction Representative may suggest an alternate number of mobilizations.) Complete
 - (b) Edit Order of Work specifications for permanent erosion control or revegetation work to be implemented on slopes that are substantially complete. Complete

- (c) Edit permanent erosion control or revegetation specifications to require seeding and planting work to be performed when optimal. Complete

Preservation of Existing Vegetation (SS-2)

6. Do Environmentally Sensitive Areas (ESAs) exist within or adjacent to the project limits? (Verify the completion of DPP-1, Part 5) Yes No
- (a) Verify the protection of ESAs through delineation on all project plans. Complete
- (b) Protect from clearing and grubbing and other construction disturbance by enclosing the ESA perimeter with high visibility plastic fence or other BMP. Complete
7. Are there areas of existing vegetation (mature trees, native vegetation, landscape planting, etc.) that need not be disturbed by project construction? Will areas designated for proposed treatment BMPs need protection (infiltration characteristics, vegetative cover, etc.)? (Coordinate with District Environmental and Construction to determine limits of work necessary to preserve existing vegetation to the maximum extent practicable.) Yes No
- (a) Designate as outside of limits of work (or designate as ESAs) and show on all project plans. Complete
- (b) Protect with high visibility plastic fence or other BMP. Complete
8. If yes for 6, 7, or both, then designate ESA fencing as a separate contract bid line item, *if not already incorporated as part of design pollution prevention work (See DPP-1, Part 5).* Complete

Slope Protection

9. Provide a soil stabilization BMP(s) appropriate for the DSA, slope steepness, slope length, and soil erodibility. (Consult with District/Regional Landscape Architect.)
- (a) Select SS-3 (Hydraulic Mulch), SS-4 (Hydroseeding), SS-5 (Soil Binders), SS-6 (Straw Mulch), SS-7 (Geotextiles, Mats, Plastic Covers, and Erosion Control Blankets), SS-8 (Wood Mulching), other BMPs or a combination to cover the DSA throughout the project's rainy season. Complete
- (b) Increase the quantities by 25% for each additional rainy season. (Designated Construction Representative may suggest an alternate increase.) Complete
- (c) Designate as a separate contract bid line item. Complete

Slope Interrupter Devices

10. Provide slope interrupter devices for all slopes with slope lengths equal to or greater than of 20 ft in length. (Consult with District/Regional Landscape Architect and Designated Construction Representative.)
- (a) Select SC-5 (Fiber Rolls) or other BMPs to protect slopes throughout the project's rainy season. Complete
 - (b) For slope inclination of 4:1 (h:v) and flatter, SC-5 (Fiber Rolls) or other BMPs shall be placed along the contour and spaced 20 ft on center. Complete
 - (c) For slope inclination between 4:1 (h:v) and 2:1 (h:v), SC-5 (Fiber Rolls) or other BMPs shall be placed along the contour and spaced 15 ft on center. Complete
 - (d) For slope inclination of 2:1 (h:v) and greater, SC-5 (Fiber Rolls) or other BMPs shall be placed along the contour and spaced 10 ft on center. Complete
 - (e) Increase the quantities by 25% for each additional rainy season. (Designated Construction Representative may suggest alternate increase.) Complete
 - (f) Designate as a separate contract bid line item. Complete

Channelized Flow

11. Identify locations within the project site where concentrated flow from stormwater runoff can erode areas of soil disturbance. Identify locations of concentrated flow that enters the site from outside of the right-of-way (off-site run-on).
- (a) Utilize SS-7 (Geotextiles, Mats, Plastic Covers, and Erosion Control Blankets), SS-9 (Earth Dikes/Swales, Ditches), SS-10 (Outlet Protection/Velocity Dissipation), SS-11 (Slope Drains), SC-4 (Check Dams), or other BMPs to convey concentrated flows in a non-erosive manner. Complete
 - (b) Designate as a separate contract bid line item. Complete

**Construction Site BMPs
Checklist CS-1, Part 2**

Prepared by: B. Ross Date: 10-08-10 District-Co-Route: 04-Sol-80

PM : 20.1/30.6 Project ID (or EA): 04-XXXXXX RWQCB: San Francisco Bay

Sediment Control

Perimeter Controls - Run-off Control

1. Is there a potential for sediment laden sheet and concentrated flows to discharge offsite from runoff cleared and grubbed areas, below cut slopes, embankment slopes, etc.? Yes No
 - (a) Select linear sediment barrier such as SC-1 (Silt Fence), SC-5 (Fiber Rolls), SC-6 (Gravel Bag Berm), SC-8 (Sand Bag Barrier), SC-9 (Straw Bale Barrier), or a combination to protect wetlands, water courses, roads (paved and unpaved), construction activities, and adjacent properties. (Coordinate with District Construction for selection and preference of linear sediment barrier BMPs.) Complete
 - (b) Increase the quantities by 25% for each additional rainy season. (Designated Construction Representative may suggest an alternate increase.) Complete
 - (c) Designate as a separate contract bid line item. Complete

Perimeter Controls - Run-on Control

2. Do locations exist where sheet flow upslope of the project site and where concentrated flow upstream of the project site may contact DSA and construction activities? Yes No
 - (a) Utilize linear sediment barriers such as SS-9 (Earth Dike/Drainage Swales and Lined Ditches), SC-5 (Fiber Rolls), SC-6 (Gravel Bag Berm), SC-8 (Sand Bag Barrier), SC-9 (Straw Bale Barrier), or other BMPs to convey flows through and/or around the project site. (Coordinate with District Construction for selection and preference of perimeter control BMPs.) Complete
 - (b) Designate as a separate contract bid line item. Complete

Storm Drain Inlets

3. Do existing or proposed drainage inlets exist within the project limits? Yes No
- (a) Select SC-10 (Storm Drain Inlet Protection) to protect municipal storm drain systems or receiving waters wetlands at each drainage inlet. (Coordinate with District Construction for selection and preference of inlet protection BMPs.) Complete
- (b) Designate as a separate contract bid line item. Complete
4. Can existing or proposed drainage inlets utilize an excavated sediment trap as described in SC-10 (Storm Drain Inlet Protection- Type 2)? Yes No
- (a) Include with other types of SC-10 (Storm Drain Inlet Protection). Complete

Sediment/Desilting Basin (SC-2)

5. Does the project lie within a Rainfall Area where the required combination of temporary soil stabilization and sediment control BMPs includes desilting basins? (Refer to Tables 2-1, 2-2, and 2-3 of the Construction Site Best Management Practices Manual for Rainfall Area requirements.) Yes No
- (a) Consider feasibility for desilting basin allowing for available right-of-way within the project limits, topography, soil type, disturbed soil area within the watershed, and climate conditions. Document if the inclusion of sediment/desilting basins is infeasible. Complete
- (b) If feasible, design desilting basin(s) per the guidance in SC-2 Sediment/ Desilting Basins of the Construction Site BMP Manual to maximize capture of sediment-laden runoff. Complete
- Designate as a separate contract bid item. Complete
6. Is ATS to be used for controlling sediment? Yes No
- (a) If "yes", then will desilting basin or other means of natural storage be used? Yes No
- (b) If "no", then plan for storage tanks sufficient to hold treatment volume. Complete
7. Will the project benefit from the early implementation of proposed permanent Treatment BMPs? (Coordinate with District Construction.) Yes No
- (a) Edit Order of Work specifications for permanent treatment BMP work to be implemented in a manner that will allow its use as a construction site BMP. Complete

Sediment Trap (SC-3)

8. Can sediment traps be located to collect channelized runoff from disturbed soil areas prior to discharge? Yes No
- (a) Design sediment traps in accordance with the Construction Site BMP Manual. Complete
- (b) Designate as a separate contract bid line item. Complete

Construction Site BMPs		
Checklist CS-1, Part 5		
Prepared by: <u>B. Ross</u>	Date: <u>10-08-10</u>	District-Co-Route: <u>04-Sol-80</u>
PM : <u>20.1/30.6</u>	Project ID (or EA): <u>04-XXXXXX</u>	RWQCB: <u>San Francisco Bay</u>

Non-Storm Water Management

Temporary Stream Crossing (NS-4) & Clear Water Diversion (NS-5)

1. Will construction activities occur within a waterbody or watercourse such as a lake, wetland, or stream? (Coordinate with District Construction for selection and preference for stream crossing and clear water diversion BMPs.) Yes No
 - (a) Select from types offered in NS-4 (Temporary Stream Crossing) to provide access through watercourses consistent with permits and agreements.¹ Complete
 - (b) Select from types offered in NS-5 (Clear Water Diversion) to divert watercourse consistent with permits and agreements.¹ Complete
 - (c) Designate as a separate contract bid line item(s). Complete

Other Non-Storm Water Management BMPs

2. Are construction activities anticipated that will generate wastes or residues with the potential to discharge pollutants? Yes No
 - (a) Identify potential pollutants associated with the anticipated construction activity and select the corresponding BMP such as NS-1 (Water Conservation Practices), NS-2 (Dewatering Operations), NS-3 (Paving and Grinding Operations), NS-7 (Potable Water/Irrigation), NS-8 (Vehicle and Equipment Cleaning), NS-9 (Vehicle and Equipment Fueling), NS-10 (Vehicle and Equipment Maintenance), NS-11 (Pile Driving Operations), NS-12 (Concrete Curing), NS-13 (Material and Equipment Use Over Water), NS-14 (Concrete Finishing), and NS-15 (Structure Demolition/Removal Over or Adjacent to Water).¹ Complete
 - (b) Verify that costs for non-stormwater management BMPs are identified in the contract documents. Designate BMP as a separate contract bid line item if the requirements in Construction Site Management (SSP 07-346) are anticipated to be inadequate or if requested by Construction. Complete

¹ Coordinate with District Environmental for consistency with US Army Corps of Engineers 404 and 401 permits and Dept. of Fish and Game 1601 Streambed alteration Agreements.

Construction Site BMPs		
Checklist CS-1, Part 6		
Prepared by: <u>B. Ross</u>	Date: <u>10-08-10</u>	District-Co-Route: <u>04-Sol-80</u>
PM : <u>20.1/30.6</u>	Project ID (or EA): <u>04-XXXXXX</u>	RWQCB: <u>San Francisco Bay</u>

Waste Management & Materials Pollution Control

Concrete Waste Management (WM-8)

- Yes No
1. Does the project include concrete placement or mortar mixing?
- (a) Select from types offered in WM-8 (Concrete Waste Management) to provide concrete washout facilities. In addition, consider portable concrete washouts and vendor supplied concrete waste management services. (Coordinate with District Construction for selection and preference of waste management and materials pollution control BMPs.) Complete
- (b) Designate as a separate contract bid line item if the quantity of concrete waste and washout are anticipated to exceed 5.2 yd³ or if requested by Construction. Complete

Other Waste Management and Materials Pollution Controls

- Yes No
2. Are construction activities anticipated that will generate wastes or residues with the potential to discharge pollutants?
- (a) Identify potential pollutants associated with the anticipated construction activity and select the corresponding BMP such as WM-1 (Material Delivery and Storage), WM-2 (Material Use), WM-4 (Spill Prevention and Control), WM-5 (Solid Waste Management), WM-6 (Hazardous Waste Management), WM-7 (Contaminated Soil Management), WM-9 (Sanitary/Septic Waste Management) and WM-10 (Liquid Waste Management) Complete
- (b) Verify that costs for waste management and materials pollution control BMPs are identified in the contract documents. Designate BMP as a separate contract bid line item if the requirements in Construction Site Management (SSP 07-346) are anticipated to be inadequate or if requested by Construction. Complete

Temporary Stockpiles (Soil, Materials, and Wastes)

- Yes No
3. Are stockpiles of soil, etc. anticipated during construction?
- (a) Select WM-3 (Stockpile Management), SS-3 (Hydraulic Mulch), SS-4 (Hydroseeding), SS-5 (Soil Binders), SS-7 (Geotextiles, Mats, Plastic Covers, and Erosion Control Blankets), or a combination as appropriate to cover temporary stockpiles of soil, etc. Complete

- (b) Select linear sediment barrier such as SC-1 (Silt Fence), SC-5 (Fiber Rolls), SC-6 (Gravel Bag Berm), SC-8 (Sand Bag Barrier), SC-9 (Straw Bale Barrier), or a combination to encircle temporary stockpiles of soil, etc. (Coordinate with District Construction for selection and preference of BMPs related to stockpiles.) Complete
- (c) Designate as a separate contract bid line item if the requirements in Construction Site Management (SSP 07-346) are anticipated to be inadequate or if requested by Construction. Complete
4. Is there a potential for dust and debris from construction material (fill material, etc.) and waste (concrete, contaminated soil, etc.) stockpiles to be transported offsite by wind? Yes No
- (a) Select SS-7, temporary cover, plastic sheeting or other BMP to cover stockpiles subject to wind erosion year-round, especially when significant wind and dry conditions are anticipated during project construction. (Coordinate with District Construction for selection and preference of wind erosion control BMPs.) Complete
- (b) Designate as a separate contract bid line item. Complete



Report Date	Dist EA	District	EA	County	Route	Beg PM	End PM	Descrip	Phase	LongSWDR	PhaseRotDate	Exempt	TBMP	Pollution Program	Land Disturbance Acreage	AddImpArea	PercentTreated	MS4Area	MS4CiCo	Water Bodies Affected	Criteria	BioStrip	BioSwale	Detention	Infiltration	InfilTrench	GSRD	TST	DryWeath	MedFilter	MCTI	WetBasin	Const. Start	Const. Comp	SWComment
10/8/2010	04-XXXX	4	XXXXXX	Sol	80	20.1	30.6	Mainten	PS&E	FALSE	10/8/2010	TRUE	FALSE	WPCP	0.1	0	0	TRUE	Fairfield-S	Laurel Creek, Laguna C	N/A	0	0	0	0	0	0	0	0	0	0	0	5/1/2011	8/1/2012	

EXAMPLE ONLY

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Short Form - Storm Water Data Report

Storm Water BMP Cost Summary

THIS INFORMATION IS FOR CALTRANS INTERNAL USE ONLY

Temporary Construction Site BMPs

BEES	Temporary BMPs - PPDG Appendix C	SSP/nSSP (#, Y or N)	STD. Det. (Y or N)	Quantity	Unit	Unit Cost (\$/Unit)	Cost (\$)
	Temporary Soil Stabilization						
071325	Temporary Fence (Type ESA)	07-446	Yes	9,940	ft	2	\$ 19,880

Subtotal Soil Stabilization BMPs \$ 19,880

BEES	Temporary Sediment Control	SSP/nSSP (#, Y or N)	STD. Det. (Y or N)	Quantity	Unit	Unit Cost (\$/Unit)	Cost
074029	Temp. Silt Fence	07-430	Yes	9940	ft	\$2	\$ 14,910
074035	Temporary Check Dams	07-415	Yes	180	LF	\$5	\$ 900
074041	Street Sweeping	07-360	No	1	LS	\$5,000	\$ 5,000
074038	Temp. Drainage Inlet Protection	07-490	Yes	88	EA	\$100	\$ 8,800

Subtotal Sediment Control BMPs \$ 29,610

BEES	Temporary Waste Management Control	SSP/nSSP (#, Y or N)	STD. Det. (Y or N)	Quantity	Unit	Unit Cost (\$/Unit)	Cost
CSM*	Material Delivery and Storage	07-346	No				\$ -
CSM*	Material Use	07-346	No				\$ -
CSM*	Stockpile Management	07-346	No				\$ -
CSM*	Solid Waste Management	07-346	No				\$ -
074043	Temp. Concrete Washout Bin	07-407	No	8	EA	1,600	\$ 12,800

Subtotal Waste Management & Materials Handling BMPs \$ 12,800

BEES	Temporary Non-Storm Water Management	SSP/nSSP (#, Y or N)	STD. Det. (Y or N)	Quantity	Unit	Unit Cost (\$/Unit)	Cost
CSM*	Vehicle and Equipment Cleaning	07-346	No				\$ -
CSM*	Vehicle and Equipment Fueling	07-346	No				\$ -
CSM*	Vehicle and Equipmt Maintenance	07-346	No				\$ -
074016	*Construction Site Management	07-346	No	1	LS	20,000	\$ 20,000

Subtotal Non-Storm Water Management \$ 20,000

BEES	Miscellaneous Items	SSP/nSSP (#, Y or N)	STD. Det. (Y or N)	Quantity	Unit	Unit Cost (\$/Unit)	Cost
074017	Water Pollution Control (WPCP)	07-340	No	1	LS	1,200	\$ 1,200

Subtotal Miscellaneous Items \$ 1,200

Total Construction Site BMP Costs							\$ 83,490
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Notes:

WPCP Cost based on estimated total project cost of \$50M

EXAMPLE ONLY