

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.

Betsy Ross 09/23/10
 [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 09/23/10
 [Friedrich Wilhelm von Steuben), District/Regional SW Date
 Coordinator or Designee

[Stamp Required for PS&E only)

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 an unincorporated area of Solano County. The Project consists of crack seal and overlay with 0.45 feet of Asphalt Concrete (AC) 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. Because this project is routine maintenance, it is exempt from the Construction General Permit requirements.

The total disturbed soil area (DSA) for the Project is anticipated to be approximately 0.10 acres. Because all paving operations take place within existing paved areas, and areas of proposed shoulder backing are exempt from DSA calculations, the only potential for DSA is construction staging areas. No areas of cut or fill are anticipated for the Project. 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, this Project should have minimal water quality impacts to downstream water bodies. Further, because DSA is less than one acre, the project is exempt from the Construction General Permit and a 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)

2. Construction Site BMPs

Because the DSA for this project is less than 1 acre, a Storm Water Pollution Prevention Plan 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. Projects with a similar scope and range of construction activities typically require general housekeeping and waste management BMPs.

Storm drain inlet protection should be deployed throughout the project, and the roadway should be swept regularly to minimize dust.

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

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

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

Construction sequencing should be scheduled to minimize storm water quality impacts.

The cost of stormwater BMPs was estimated using the Historical Project Method as outlined in Appendix F.6.2 of the PPDG. Items and costs were taken from bids for the recent I-680 Rehabilitation Project in nearby Contra Costa County. These two projects are very similar in size and scope, both being pavement rehabilitations approximately 10 miles in length. It should be noted, however, that the I-680 project had a more substantial disturbed soil area than is anticipated for I-80. The values thus reflect an average of the five lowest bids only for Construction Site BMP items. Because this is a recent project, cost indexes were not used to adjust for variations in construction costs over time.

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.

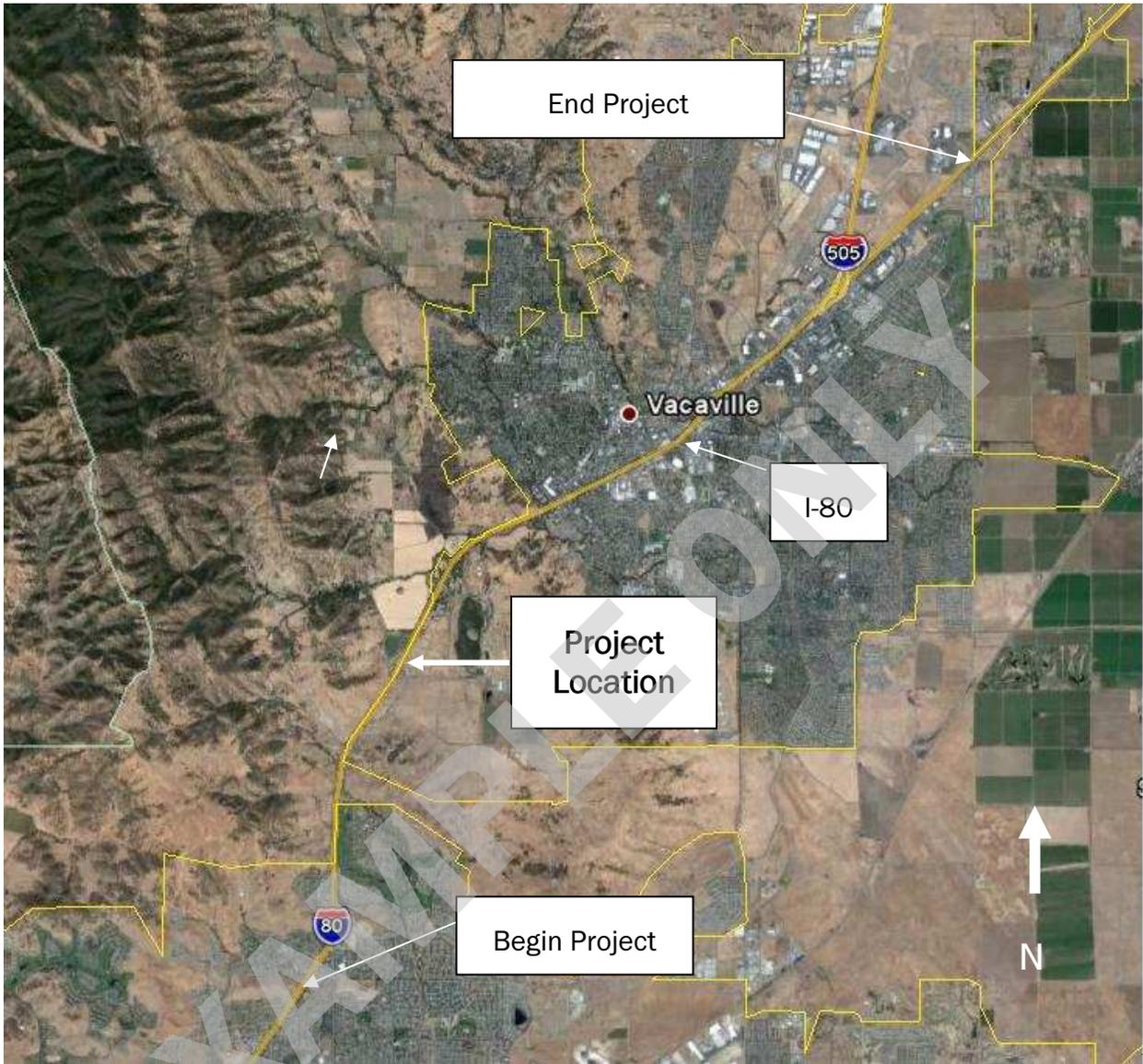
3. Required Attachments¹

- Vicinity Map
- Evaluation Documentation Form

4. Supplemental Attachments

- SWDR Tracking Form
- Storm Water BMP Cost Summary (Caltrans internal use only)

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).



Evaluation Documentation Form

DATE: 09-23-10

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. ____ (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.	✓		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

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Report Date	Dist EA	District	EA	County	Route	Beg PM	End PM	Descrip	Phase	LongSWDR	PhaseRptDate	Exempt	TBMP	Pollution Program	Land Disturbance Acreage	AddImpArea	PercentTreated	MS4Area	MS4C/Co	Water Bodies Affected	Criteria	BioStrip	BioSwale	Detention	Infiltration	InfilTrench	GSRD	TST	DryWeath	MedFilter	MCTI	WetBasin	Const. Start	Const. Comp	SWComment
9/23/2010	04-XXXX	4	XXXXXX	Sol	80	20.1	30.6	Maintenr	PAVED	FALSE	9/23/2010	TRUE	FALSE	WPCP	0.1	0	0	TRUE	Fairfield-Si	Laurel Creek, Laguna C	N/A	0	0	0	0	0	0	0	0	0	0	0	5/1/2011	8/1/2012	

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Water Pollution Control Cost Estimate FOR CALTRANS USE ONLY

Historical Project Name/EA	BMP Description	Unit of Measurement	Unit Price	Total Dollar Amount
I-680 Rehabilitation Project/04-XXXXXX	Construction Site Management	LS	\$40,000	\$ 40,000
I-680 Rehabilitation Project/04-XXXXXX	Water Pollution Control (SWPPP)	LS	\$2,700	\$ 2,700
I-680 Rehabilitation Project/04-XXXXXX	Temporary Drainage Inlet Protection	EA	\$120	\$ 62,500
I-680 Rehabilitation Project/04-XXXXXX	Street Sweeping	LS	\$35,000	\$ 35,000
I-680 Rehabilitation Project/04-XXXXXX	Temporary Concrete Washout (Portable)	LS	\$20,000	\$ 20,000
			Total	\$ 160,200

Notes:
 Used Historic Project Cost Method per Section F.6.2 of PPDG
 Average of five lowest bids for I-680 Project
 Total Cost for I-680 Project = \$50M, equal to I-80 Project's estimated cost

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