

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): Region 2 San Francisco Bay

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

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

08/26/10

[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

08/26/10

[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. Two alternatives are under consideration: A no-build and a build alternative, as described below.

No-build alternative: The No-Build Alternative provides a basis of comparison with the Build Alternative in the future analysis year of 2030. This No-Build Alternative would include all currently planned and programmed projects in the I-80 corridor through the year 2030.

Build alternative: The build alternative consists of crack, seal and overlay on the mainline with 0.45 feet of hot mix asphalt with shoulder backing in both directions of I-80.

Because the no-build alternative would have no effect on existing water quality impacts, only the build alternative is discussed in the remainder of this report.

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 estimated to be approximately 0.10 acres. The DSA was calculated by examining areas for construction staging 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, this Project should have minimal water quality impacts to downstream water bodies. Further, because the 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 (SWPPP) is not anticipated to be necessary. This project is thus expected to utilize a Water Pollution Control Program (WPCP).

Due to the small DSA, sediment control and erosion control best management practices (BMPs) are not anticipated to be necessary. The water pollution control BMP strategy will primarily include housekeeping items such as non-storm water management, scheduling and waste management and materials pollution control. The BMP costs for this Project are estimated based on the “Percent of Total Cost Method” presented in Appendix F.6.1 of the Caltrans *Project Planning and Design Guide*.

A coordination meeting with the Caltrans Construction Storm Water Coordinator will be held during later phases of the Project for BMP concurrence.

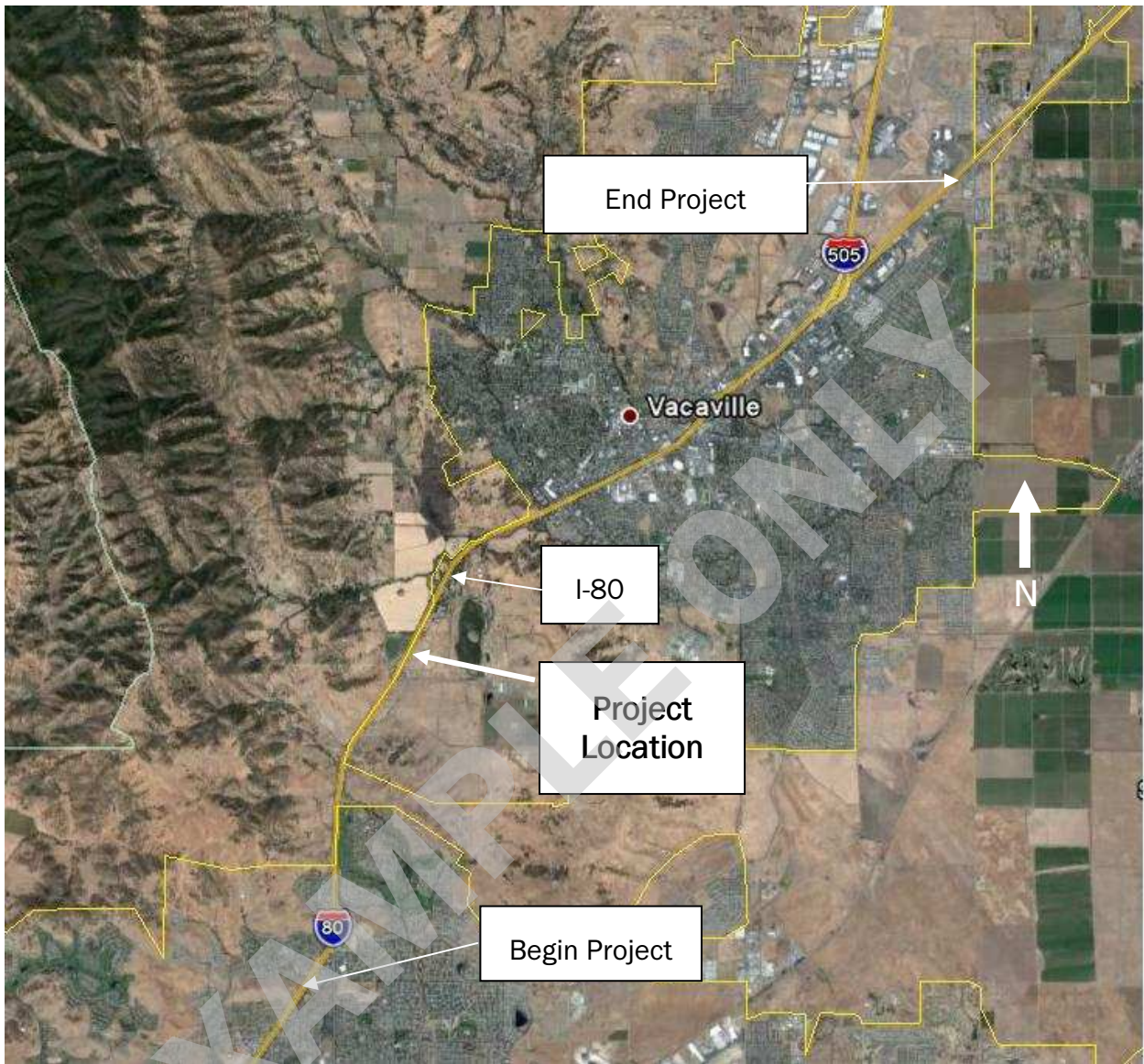
3. Required Attachments¹

- 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: 08/26/10

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 acres</u> 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>08/26/10</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



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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	MS4CiCo	Water Bodies Affected	Criteria	BioStrip	BioSwale	Detention	Infiltration	InfilTrench	GSRD	TST	DryWeath	MedFilter	MCTT	WetBasin	Const. Start	Const. Comp	SWComment
8/26/2010	04-XXXX	4	XXXXXX	Sol	80	20.1	30.6	Mainten	PID	FALSE	8/26/2010	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**

Project Name:	I-80 Pavement Rehabilitation Project
District:	04
County:	Solano
Route:	80
Postmile Limits:	20.1/30.6
Project ID (or EA):	04-XXXXXX

1.0 DPP BMPs

BMP Quantity	Unit Cost

SUBTOTAL \$ -

2.0 Treatment BMPs

Miles of Pavement	\$xxx,xxx per Mile

SUBTOTAL \$ -

3.0 Prepare WPCP

Total Construction Cost	Cost per Table F-6
\$50,000,000	\$1,200

SUBTOTAL \$ 1,200

RQM Value (if SWPPP is required):

4.0 Construction Site BMPs

Total Construction Cost	x.x% per Table F-3
\$50,000,000	0.0125

SUBTOTAL \$ 625,000

5.0 ROW Acquisition

Length of ROW	Unit Cost per Length

SUBTOTAL \$ -

6.0 Stormwater Monitoring

Project Risk Level	SWM Cost (PPDG Appen F)

SUBTOTAL \$ -

TOTAL COST FOR STORM WATER BMPs	\$ 626,200
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