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: 07-LA-405
Post Mile Limits: 0.3/2.8
Project Type: Slope Paving
Project ID (or EA): 07-XXXXXX
Program Identification: HA42
Phase: ☒ PID ☐ PA/ED ☐ PS&E

Regional Water Quality Control Board(s): Los Angeles – Region 4

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: 09/01/2011

Separate Dewatering Permit (if yes, permit number) Yes ☐ Permit #_____ No ☒

Erosivity Waiver Yes ☒ Date: N/A 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 Coordinator or Designee *Date*

[Stamp Required for PS&E only)

1. Project Description

This is an Annual Element Project that proposes the replacement of slope paving on Interstate 405 (I-405) at four bridge locations in the City of Long Beach, Los Angeles County. Two alternatives are under consideration, a no-build and a build alternative, as described below.

No-build alternative: The no-build alternative assumes that, aside from routine maintenance, no work is performed involving the slope paving areas prior to the year 2030.

Build alternative: The build alternative consists of removing the existing slope paving at the bridge abutments, re-grading slopes and replacing the slopes with 4 inches of concrete to prevent surface erosion.

The Atherton Street location ultimately discharges to the San Gabriel River (0.3 miles from the project site), which is on the 2006 State Water Resources Control Board 303(d) list of Water Quality Limited Segments. The pollutants of concern are pH and Coliform bacteria. The discharge point is approximately 0.3 miles from the project site.

The Stearns Street, Woodruff Avenue, and Clark Avenue locations ultimately discharge to Los Cerritos Channel, which is listed as a 303(d) water body. The pollutants of concern are ammonia, bis(2ethylhexyl)phthalate/DEHP, chlordane, sediment, Coliform bacteria, copper, lead, trash and zinc. The discharge point for the Stearns Street site is approximately 0.2 miles from the site, the discharge point for the Woodruff Avenue site is approximately 0.8 miles from the site, and the discharge point for the Clark Avenue Site is approximately 2.0 miles from the site.

The project is within the City of Long Beach, which is an identified urban Municipal Separate Storm Sewer System (MS4) area. The hydrologic unit is the San Gabriel River, which has a watershed of 80,235 acres. The annual rainfall is 13.8 inches. There are no drinking water reservoirs and/or recharge facilities within the project limits. A 401 Certification is not required for this project.

The total disturbed soil area (DSA) is 1.12 acres. This area includes the slope paving areas that are being re-graded, re-grading of adjacent slopes to conform to the existing ground, and anticipated construction staging areas. All of the proposed paved areas are replacements of existing paving, resulting in no added impervious area.

The Rainfall Erosivity Factor was calculated on July 30, 2010 using the Rainfall Erosivity Calculator for Small Construction Sites on the Environmental Protection Agency's website. Assuming construction dates between May 1, 2011 and September 1, 2011, this calculation yielded a factor of 3.11. Because the Rainfall Erosivity factor is less than 5 and the DSA is more than one but less than five acres, this project qualifies for a Rainfall Erosivity Waiver. When preparing the PS&E, the designers should adhere to this schedule and state so through the use of an order of work specification. If the construction schedule changes, the Rainfall Erosivity Factor should be re-calculated.

2. Construction Site BMPs

Because this project qualifies for a Rainfall Erosivity Waiver, a Water Pollution Control Program (WPCP) will be used in lieu of a Storm Water Pollution Prevention Plan (SWPPP).

Construction Site BMPs representing the six water pollution control categories are anticipated on this project. These include Soil Stabilization, Sediment Control, Tracking Controls, Wind Erosion Control, Non-Storm Water Management and Waste Management & Materials Pollution Controls. Construction sequencing shall be scheduled to minimize impacts to water quality, and to ensure the proposed project schedule is adhered to. The BMP costs for this Project is 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.

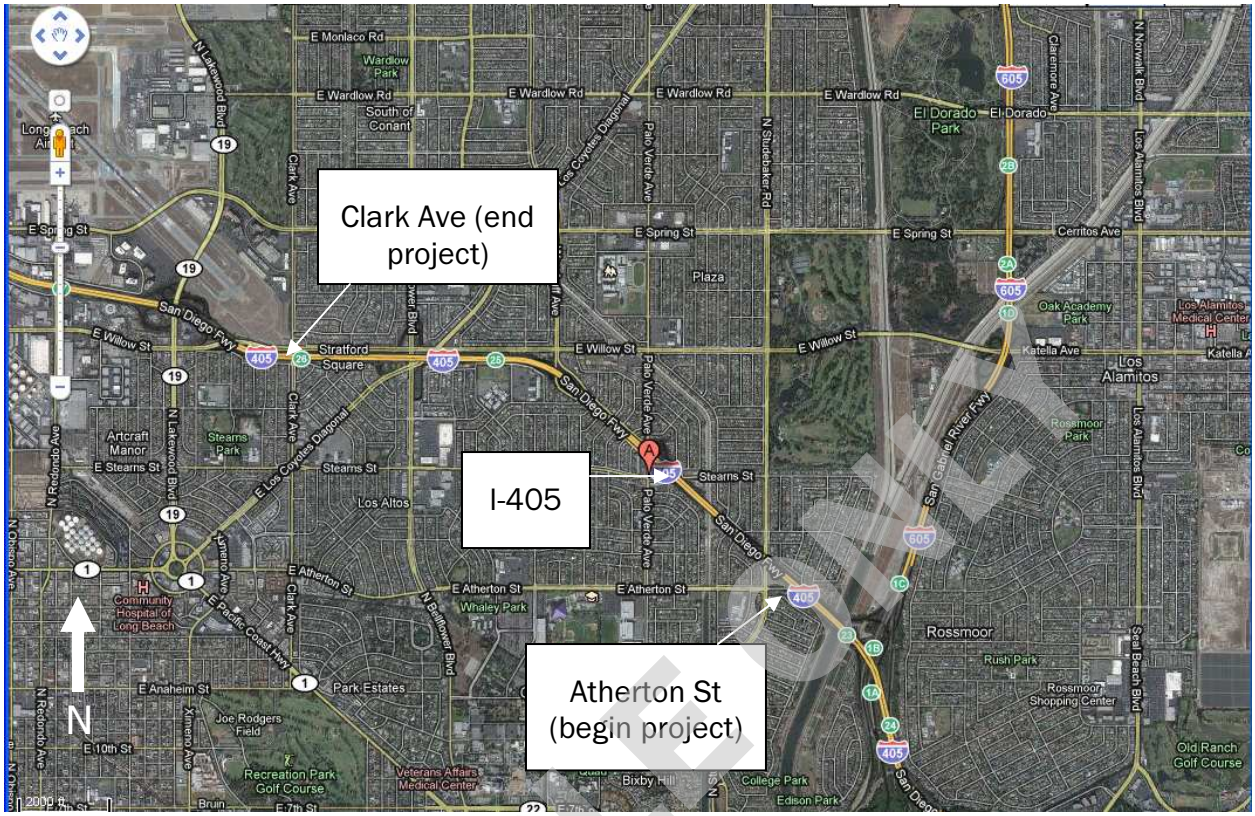
3. Required Attachments[1]

- Vicinity Map
- Evaluation Documentation Form
- Rainfall Erosivity Waiver

4. Supplemental Attachments

- SWDR Tracking Form
- Storm Water BMP Cost Summary (for Caltrans 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).



DATE: 08-26-10

Project ID (or EA): 07-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. FWS *(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**. *(Long Beach)*, 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 net increase of one acre or more of new impervious surface?			If **Yes**, continue to 9. If **No**, go to 10. *0 acres (Net Increase New Impervious Surface)*
9.	Project is required to consider approved Treatment BMPs.		See Sections 2.4 and either Section 5.5or 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. FWS *(Dist./Reg. Design SW Coord. Initials)* BR *(Project Engineer Initials)* 08/26/10 *(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

Rainfall Erosivity Factor Calculator for Small Construction Sites

Facility Information

Facility Name: I-405 Slope Paving
Start Date: 05/01/2011
End Date: 09/01/2011
Latitude: 33.8022
Longitutde: -118.1230

Erosivity Index Calculator Results

AN EROSIVITY INDEX VALUE OF **3.11** HAS BEEN DETERMINED FOR THE CONSTRUCTION PERIOD OF **05/01/2011 - 09/01/2011**.

A rainfall erosivity factor of less than 5.0 has been calculated for your site and period of construction. Contact your permitting authority to determine if you are eligible for a waiver from NPDES permitting requirements. If you are covered under EPA's construction general permit then you can use eNOI to submit your low erosivity waiver certification.

If your construction activity extends past the project completion date you specified above, you must recalculate the R factor using the original start date and a new project completion date. If the recalculated R factor is still less than 5.0, a new waiver certification form must be submitted before the end of the original construction period. If the new R factor is 5.0 or greater, the operator must submit a Notice of Intent to be covered by the Construction General Permit before the original project completion date.

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	07-XXXX	7	XXXXXX	LA	405	0.3	2.8	Slope P	PID	FALSE	8/26/2010	TRUE	FALSE	WPCP	1.12	0	0	TRUE	Long Beac	Los Cerritos Channel, S	N/A	0	0	0	0	0	0	0	0	0	0	0	5/1/2011	9/1/2011	

Storm Water BMP Cost Summary

THIS INFORMATION IS FOR **CALTRANS INTERNAL USE ONLY**

Project Name:	**I-405 Slope Paving**
District:	**07**
County:	**Los Angeles**
Route:	**405**
Postmile Limits:	**0.3/2.8**
Project ID (or EA):	**07-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			
$700,000	**$1,100**	**SUBTOTAL**	$	1,100

RQM Value (if SWPPP is required):

4.0 Construction Site BMPs

Total Construction Cost	x.x% per Table F-3			
$700,000	**0.0325**	**SUBTOTAL**	$	22,750

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	$	23,850