

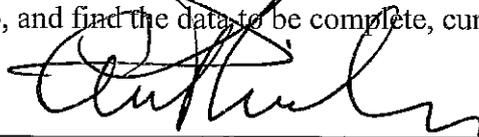
**PROJECT SCOPE SUMMARY REPORT
(STORM WATER MITIGATION) to
Request Programming in the 2012 SHOPP and
Provide Project Approval**

On Route 101 (US-101)

Between Calabasas Parkway in Los Angeles County

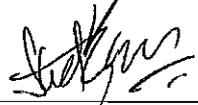
And Hampshire Rd in Ventura County

I have reviewed the right of way information contained in this Project Scope Summary Report and the R/W Data Sheet attached hereto, and find the data to be complete, current and accurate:



ANDREW P. NIERENBERG
DEPUTY DISTRICT DIRECTOR OF RIGHT OF WAY

APPROVAL
RECOMMENDED:

 7/28/2010

OJAS SHETH
PROJECT MANAGER

CONCURRED BY:



JAMES McCARTHY
DEPUTY DISTRICT DIRECTOR, DIVISION OF PLANNING,
PUBLIC TRANSPORTATION & LOCAL ASSISTANCE



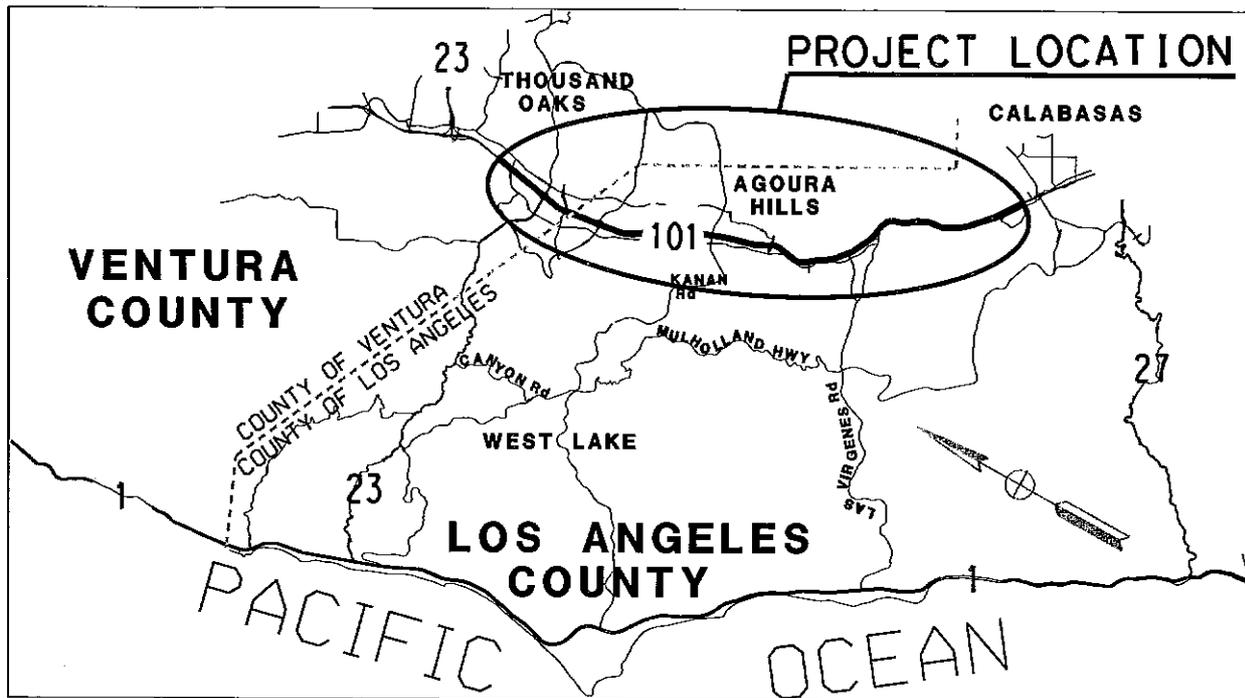
ALINE ANTARAMIAN
INTERIM DEPUTY DISTRICT DIRECTOR, DIVISION OF
DESIGN

APPROVED:



MICHAEL MILES
DISTRICT DIRECTOR

10/25/10
DATE



Location Map

On Route 101 (US-101)

Between Calabasas Parkway in Los Angeles County

And Hampshire Rd in Ventura County

07-LA- 101, PM 29.26/38.19
07-VEN- 101, PM 0.00/1.21
Project No: 0700000552 (EA 28150K)
July 2010

This Project Scope Summary Report has been prepared under the direction of the following registered civil engineer. The registered civil engineer attests to the technical information contained herein and the engineering data upon which recommendations, conclusions, and decisions are based.



REGISTERED CIVIL ENGINEER

7/27/10

DATE

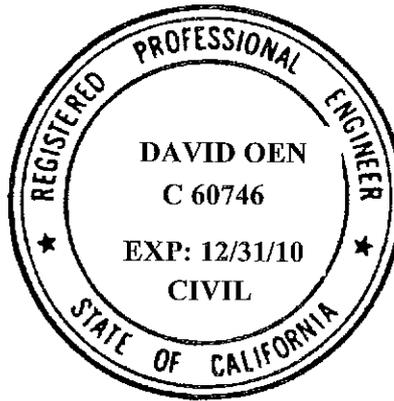


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1. INTRODUCTION

This Project Scope Summary Report (PSSR) proposes the design and construction of Best Management Practices (BMPs) Devices for Storm Water Mitigation at outfall/discharge points before storm water leaves Caltrans Right-of-Way (R/W) on US-101 in Los Angeles County (PM 29.26 to PM 38.19) and in Ventura County (PM 0.00 to PM 1.21).

The BMPs considered will be natural trash-capturing devices (e.g. bio-swales/strips), infiltration/detention basins, media filters, and Gross Solid Removal Devices (GSRDs).

The project lies within the Malibu Creek Watershed and 71 outfall locations were identified within the project limits.

The Capital Cost for this project is estimated at \$43.0 million in 2010 dollars, including Time Related Overhead (TRO), hazardous waste mitigation and disposal, construction site management, storm water pollution and other essential costs.

No Right-of-Way (R/W) acquisition is required because all construction work is within Caltrans R/W, however \$30,000 has been allocated for potholing utilities (see R/W Data Sheet - Attachment H).

Project Limits	07-LA-101, PM 29.26/38.19 07-VEN-101, PM 0.00/1.21
Court or Regional Board Orders:	R4-2008-0007 & R4-2004-019R
Pollutants of Concern:	Trash and Bacteria
Estimate of Acres to be Treated:	305
Number of Alternatives:	One
Proposed Capital Construction Costs:	\$ 42.9 million (2010 dollars)
Proposed Right of Way Capital Costs:	\$ 52.0 thousand
Total Capital Outlay:	\$ 43.0 million (2010 dollars)
Environmental Determination Document:	CE (Categorical Exemption/Categorical Exclusion) dated Mar 10, 2010

2. BACKGROUND

Under Section 303(d) of the Federal Clean Water Act (CWA), states, territories and authorized tribes (the “Jurisdictions”) are required to develop a list of impaired waters. These waters on the list do not meet water quality standards that the Jurisdictions have set for them, even after point sources of pollution have installed the minimum required levels of pollution control technology. The CWA requires that the Jurisdictions establish priority rankings for water on the lists and develop Total Maximum Daily Loads (TMDL) for these waters.

The list of impaired waters developed by the Jurisdictions is customarily referred as the 303(d) List. The Jurisdictions are required to submit an updated 303(d) list to the United State Environmental Protection Agency (USEPA).

Malibu Creek watershed is included on the 2006 303(d) List due to numerous pollutants/stressors. Section 3, Purpose and Need Statement, provides additional background information.

Upon a detailed field scoping/review and analysis of the outfall locations within the project limits and the recommendations in the Route 101 Corridor Storm Water Management Studies, 71 outfall locations were identified for the installation of Treatment BMPs and all were located in Hydrologic Soil Type B and C according to the District Soil Group Index map. The Route 101 Corridor Storm Water Management Studies are on file.

Table - 2.1: Recommended Treatment BMP Devices
(See Attachment B – Outfall Location Map)

Biofiltration Strip**	Biofiltration Swale**	Media Sand Filter	GSRD*
13	40	18	22

* Note: A Biofiltration Swale is installed upstream of each GSRD to reduce the load on the GSRD.

** Note: Outfall Locations 47, 49, 59, and 60 in Attachment B are currently in design under EA25210.

3. PURPOSE AND NEED STATEMENT

Need:

The Malibu Creek Trash TMDL (Trash TMDL) was adopted by the Los Angeles Regional Water Quality Control Board (LARWQCB) on July 7, 2009. The TMDL requires the Responsible Agencies, including Caltrans to reduce amount of trash deposited in the waterbodies and in the storm water discharges to “zero” in eight (8) years. Responsible Agencies may implement a Minimum Frequency of Assessment and Collection Program in or adjacent to the water body or place full capture devices at the drainage outfalls.

Purpose:

This project proposes to construct biofiltration strips, biofiltration swales, media filters, and GSRDs in order to comply with the TMDL requirements for storm water discharge from Caltrans facilities.

A list of pollutants that can be treated by the proposed Treatment BMPs is summarized in Table 3.1.

Table 3.1: Applicable Treatment BMPs and Targeted Pollutants of Concern¹

Pollutants	Treatment BMPs			
	Infiltration Devices	Biofiltration Systems	Media Filters ²	Gross Solids Removal Devices (GSRD)
Total Suspended Solids	✓	✓		
Nutrients	✓			
Pesticides	✓		✓	
Particulate Metals	✓	✓	✓	
Dissolved Metals	✓	✓		
Pathogens	✓		✓	
Litter	✓	✓		✓
Biochemical Oxygen Demand	✓			
Total Dissolved Solids	✓			

Notes:

1. Reference - Table 2.2 of Caltrans Storm Water Quality Handbook, Project Planning and Design Guide, May 2007.
2. Phosphorus and Nitrogen for the Austin Sand Filter; Phosphorus only for the Delaware Sand Filter.

4. DEFICIENCIES

Within the project limits, LA-101/VEN-101 is a Caltrans facility that is required to comply with the Federal Clean Water Act in regards to storm water discharge from the roadway. This project proposes to construct BMP Devices in order to comply with applicable requirements for storm water discharge.

5. CORRIDOR AND SYSTEM COORDINATION

5A. Regional Planning:

The proposed project is consistent with the Southern California Association of Governments (SCAG) existing 2008 Regional Transportation Plan (RTP) that was approved by SCAGs Regional Council in June 2008. Projects of this type are not specifically listed in the U.S. Environmental Protection Agency (US EPA) transportation Conformity Rule (40 CFR § 93.126) tables 2 and 3, which identify

projects that are exempt from all emissions analyses (Table 2) and projects that are exempt from regional emissions analysis (Table 3). The proposed project as described, is considered exempt from all emissions analyses. The project sponsor should get this project into the federally approved 2008 Regional Transportation Improvement Program. Inclusion in the RTIP is essential to federal funding.

5B. Other Agencies Involved (Permits/Approvals From Fish & Game, Corps Of Engineers, Coastal Commission, Etc.):

The Los Angeles Regional Water Quality Control Board (LARWQCB) will enforce and monitor the implementation of the various TMDLs. Some outfall locations might be within the jurisdiction or require permits from the County Flood Control District, LARWQCB, or other Local Government Agencies.

5C. Transportation Concept Report (TCR):

The 2020 Concept Facility in the latest TCR (July 1999) shows the addition of one HOV lane in each direction to the Current Freeway Configuration, and the proposed treatment BMPs do not conflict with the TCR.

6. ALTERNATIVES

The build alternative in this PSSR proposes the construction of infiltration basins as the preferred method to comply with the various TMDL requirements, as these devices effectively remove the most pollutants. Media filters are the next preferred devices when infiltration basins are not feasible due to space considerations and/or geotechnical study findings. Biofiltration systems are considered when there is not sufficient space available for the above Treatment BMP types. GSRDs are being considered as the least preferred BMP device. Attachment B shows the outfall locations and the Treatment BMPs recommended for each location. It is anticipated that construction of BMPs for this project could have environmental issues and would impact existing traffic & underground utilities. Full-scale investigations on detail impacts at all locations should be done during the next phase of this project. It is anticipated that most of the recommended BMPs are feasible as stated in this report. The determination of the most suitable BMPs will be finalized in the next project phase. The BMPs are planned for construction within the existing Caltrans R/W.

The No-Build Alternative would be considered non-compliant by the LARWQCB. Furthermore, the cost and resources needed for implementation would likely be significantly higher in the future.

7. COMMUNITY INVOLVEMENT

All work will be performed within the existing Right-of-Way (R/W) and no R/W acquisitions will be required for the proposed project. The project is not expected to result in any changes in traffic pattern and is not expected to affect the surrounding community because the work is done in remote areas. However, community involvement and participation will be conducted by means of public project information as noted in the Transportation Management Plan (TMP).

8. ENVIRONMENTAL DETERMINATION DOCUMENT

A Categorical Exemption/Categorical Exclusion (CE) determination document for the project was approved on March 10, 2010 (see Attachment G - Environmental Clearance).

8A Hazardous Waste Disposal Site Required? If Yes, Where Are Sites?

This project involves excavation for the construction of Media Filters, GSRDs, and/or Bio-Strips/Swales. According to the Preliminary Hazardous Waste Assessment (Attachment K) by the District's Hazardous Waste Unit, aerially deposited lead (ADL) contamination may exist at locations where Treatment BMPs will be installed based on the available information in the project corridor.

Further ADL site investigations will need to be conducted at the PS&E phase. It is recommended that excavated ADL contaminated soils be reused on site if possible. A Lump Sum of \$1,500,000 to initiate site investigations, a lead compliance plan, and for properly handling and disposal of contaminated soils not being reused and other hazardous materials have been included in the total project costs as Hazardous Waste Mitigation Work in the Cost Estimate (Attachment E). Hazardous Waste Disposal site locations if needed will be determined at the PS&E phase.

8B Highway Planting And Irrigation:

Highway planting and irrigation were observed at some locations considered for the BMPs during the detailed field scoping/review.

The Cost Estimate (Attachment E) includes a total of \$1,003,000 for Highway Replacement Planting. See other landscaping considerations in Item 9G for the next phase of the project.

8C Roadside Design And Management:

Since the work for constructing Treatment BMP devices occurs mostly off the traveled way, it is anticipated that the need for lane closures, detours and traffic control would be minimal.

8D Stormwater Compliance:

A Long Form Storm Water Data Report was prepared in accordance with the Storm Water Quality Handbook-PPDG, June 2007 and was approved on 07/072010, by the District National Pollutant Discharge Elimination System (NPDES), TMDL and other appropriate Coordinators (See Attachment J).

8E Right-of-Way:

No Right-of-Way acquisition is anticipated because all construction work is within Caltrans R/W; however, funds have been allocated for potholing utilities.

9. OTHER PROJECT CONSIDERATIONS**9A. Design Exceptions:**

The proposed BMP devices are off the existing roadway. No negative impact on existing clear recovery zones and stopping sight distances are anticipated. Headquarters Design Coordinator concurred that it is beyond the scope of this project to address any geometric standard.

9B. Air Quality and Conformity:

This project is deemed exempt from the requirement to determine conformity at both the regional and project level. Furthermore, the project is unlikely to result in an adverse impact to ambient CO, PM₁₀ and PM_{2.5}, and does not require an analysis or discussion of MSAT because of the CE environmental determination (see Attachment L – Air Quality and Conformity). However, this project must comply with both the SCAQMD rules to minimize temporary emissions during construction.

A portion of the project (PM 0.00/PM 1.21) is located in Ventura County. Therefore, in addition to complying with the SCAQMD Fugitive Dust Implementation Rule, construction activities for the proposed project must also comply with the Ventura County Air Pollution Control District (VCAPCD) Fugitive Dust Rule 55.

9C. Noise:

Noise Impact- The project is not considered a Type 1 project and is not expected to result in traffic noise impacts per Caltrans Traffic Noise Protocol.

9D. Railroad Involvement:

None, the outfall locations are not located near a railroad track.

9E. Transportation Management Plan (TMP):

No prolonged temporary ramp or lane closures are anticipated for this project, and any closures affecting local streets should be coordinated with local agencies.

A TMP Data Sheet for the project has been prepared and approved by the District Traffic Manager on 12/29/09 (see Attachment I).

9F. Intelligent Traffic Systems (ITS):

ITS may be affected by this project and \$1,800,000 has been allocated for potential ITS electrical and fiber-optic system mitigation (Cost Estimate -Attachment E).

9G. Landscaping Maintained By Others:

Certain stretches of landscaping along Route 101 are currently maintained by other cities as listed in the table below:

Co.	Beg PM	End PM	Description	Maintained By City
LA	30.93	31.8	Las Virgenes Rd. and Lost Hills Rd.	Calabasas
LA	33.6	35.2	Between Chesebro Rd and Kanan Rd.	Agoura Hills
LA	36.1	36.3	Reyes Adobe Rd.	Agoura Hills
LA	37.0	38.2	Lindero Cyn Rd.	Westlake Village
VEN	0.46	0.9	Westlake Blvd. in City of Thousand Oaks	Thousand Oaks

The project engineer should contact the Caltrans Landscape Architect in the Office of Maintenance Engineering for the updated list early in the PS&E phase and coordinate with individual cities.

Graffiti Prevention:

Past projects in the District experience vandalism issues involving graffiti on GSRD on existing slopes along fill sections of freeways. Design project engineer is recommended to pay attention on the determination of GSRD final locations to minimize visual impacts on neighborhood, potential vandalism, and maintenance effort from Caltrans maintenance crews.

Extended Plant Establishment Periods for Bio-Swales and Bio-Strips Installation:

District Landscape recommends bio-swales and bio-strips construction to include three-year plant establishment periods which allow the use of truck watering where water supply may not be readily available. However, Caltrans contract policy precludes the use of extended plant establishment work with regular construction projects. Therefore, bio-swales and bio-strips are suggested to be installed under a separate project. Decision on how proposed BMPs in this report are constructed should be finalized in the next phase when sufficient project details are available.

9H. Current Projects:

The table below lists the status of current projects within this project’s limits:

EA	Route 101 PostMile	Project Scope	PAED	RTL	CCA
12016	LA 23.4/24.1	WIDEN N/B ON-RAMP	In Construction	In Construction	6/30/2010
22590	LA 24.7/25.8	WIDEN RAMPS	12/9/2011	7/17/2013	2/9/2015
24020	LA 36.1/36.3	MODIFY INTERCHANGE	In Construction	In Construction	12/30/2011
24230	LA 31.9/32.3	IMPROVE INTERCHANGE	12/15/2010	12/13/2013	1/28/2013
24920	LA 24.9/38.2	RESTRIPE ROADWAY	10/3/2012	8/4/2016	10/23/2020
24970	LA 23.4/24.1	ADDING AUXILLIARY LANE	5/31/2012	6/26/2014	4/1/2016
25150	VEN 00.0/12.6	SLAB REPLACEMENT	9/20/2005	7/30/2010	1/15/2014
25210	LA 30.9/38.2	PAVEMENT REHABILITATION	8/26/2005	7/30/2010	11/14/2012
25720	LA 33.0/34.4	ROUNDBOUT	6/10/2011	2/23/2012	4/22/2013
25810	LA 37.0/38.0	ROAD WIDENING (PHASE 1)	9/28/2001	11/15/2010	4/18/2012
1952u	VEN 00.1/03.0	INTERCHANGE	2/28/2005	6/15/2012	4/15/2015

9I. Risk Management:

In the June 8, 2010 Quality Review meeting, risk management was discussed and a risk register form was subsequently sent to all Project Development Team (PDT) members. At this time the PDT members do not see any risk associated with this project.

10. FUNDING

This project is proposed to be included in the 2012 State Highway Operation Protection Program (SHOPP) and funded from the Storm Water Mitigation Program 20.20.201.335. Per recommendations from the District Program Advisor for programming flexibility to match future uncertainty on available funding, this project may be:

- a) Programmed as a whole,
- b) Programmed in two segments (LA County and Ventura County).
- c) Programmed partially to install media sand filters at 18 outfall locations per Route 101 Corridor Storm Water Management Studies.

10A. Capital Cost:

- a) The capital cost for the Build Alternative including 10% Time Related Overhead (TRO) is \$43 million in 2010 dollars (see Attachment E – Cost Estimate). The cost of the project in the proposed 2014/2015 program year is \$51.6 million. The escalation factor used is 5% per year non-compounded.
- b) The approximate costs to program this project in 2 segments are \$40 and \$5 million in 2010 dollars for LA County and Ventura County respectively. The corresponding escalated costs for 2014/2015 are \$47 and \$6 million.
- c) The approximate cost to install media sand filters at 18 outfall locations is \$19 million in 2010 dollars. The escalated cost for 2014/2015 is \$23 million.

10B. Capital Support:

	Project Support Components								Total	
	PA&ED		Design		Right of way		Construction			
	0 Phase		1 Phase		2 Phase		3 Phase			
	Dist	DES	Dist	DES	Dist	DES	Dist	DES		
Estimated PY's										
Estimated PS \$'s (\$1000's)	-	-	5,350	-	150	-	5,500	-	-	11,000
Estimated PYE \$'s (\$1000's)	-	-							-	-
Total \$'s (\$1000's)	-	-	5,350	-	150	-	5,500	-	-	11,000

Note: Support Costs are 2010 dollars (not escalated).

11. SCHEDULE

Milestones	Delivery Date
Project PS&E	03/19/12
Right of Way Certification	09/01/12
Ready to List (RTL)	12/02/13
Approve Contract	12/01/16
Construction Start	12/02/16
End Project	05/13/19

12. FHWA COORDINATION

No federal-aid funding is anticipated and no FHWA coordination or action is required for this project.

13. DISTRICT CONTACTS

Elaheh Yadegar – Office of Project & Special Studies
Office Chief (213) 897-9635

Jai Paul Thakur – District Program Advisor (213) 897-7546

Kelvin Yuen - Office of Project & Special Studies
Senior Transportation Engineer (213) 897-4637

David Oen – Office of Project & Special Studies
Project Engineer (213) 897-5995

Ojas Sheth – Program & Project Management
Project Manager (213) 897-8595

Carlos Montez – Environmental Planning
Senior Environmental Planner (213) 897- 9116

John Njoroge – Senior Right of Way Agent Project Coordination (213) 897-1685

Albert Yu – TMP Manager, West Region
Senior Transportation Engineer (213) 897-0285

14. PROJECT REVIEW:

This project was reviewed by:

D7 201.335 Program Advisor _____ Robert Wu _____ Date: March 4, 2010

D7 Right-of -Way _____ John Njoroge _____ Date: March 4, 2010

Office of Maintenance Support _____ Richard Gordon _____ Date: March 4, 2010

District Storm Water

Mitigation Program Advisor _____ Jai Paul Thakur _____ Date: March 4, 2010

Quality Review _____ Project Development Team _____ Date: June 08, 2010

15. SCOPING TEAM FIELD REVIEW:

Several field reviews for the project scope were conducted on August 18, September 9, 10, 15, 17, 22, 24, 20, and October 1, 2009. Field scoping team members included Dan Cortez, Lac Tran, and David Oen from the Office of Project and Special Studies.

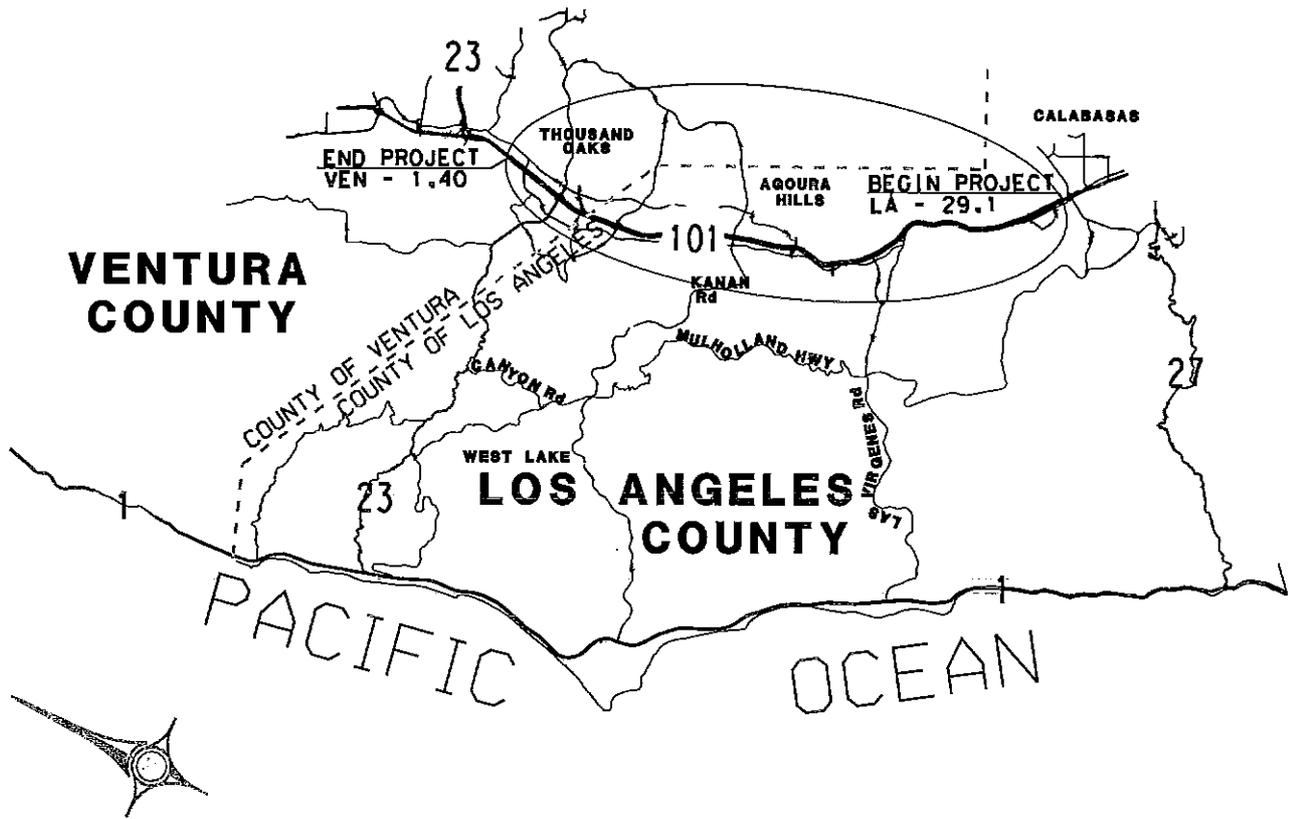
16. ATTACHMENTS:

- A. Project Location Map
- B. Outfall Location Map
- C. Performance Indicators
- D. Project Schedule
- E. Cost Estimate
- F. Schematic Diagrams of Treatment BMPs
- G. Environmental Clearance
- H. Right Of Way Data Sheet
- I. TMP Data Sheet
- J. Storm Water Data Report
- K. Hazardous Waste
- L. Air Quality and Conformity

07 LA101 PM 29.26/38.19
07 VEN101 PM 0.0/1.21
Project 0700000552 (EA28150K)

Project Location Map

ATTACHMENT - A



07-LA-101 PM29.10/ 38.15

07-VEN-101 PM0.00/ 1.40

LOCATION MAP

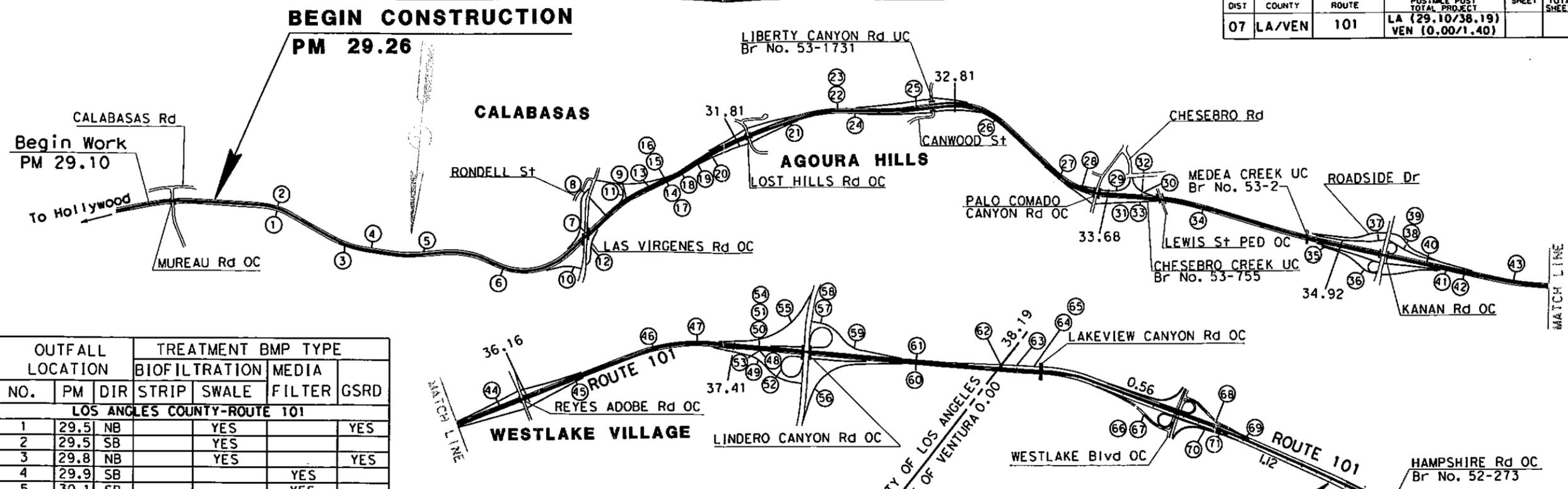
NO SCALE

07 LA101 PM 29.26/38.19
07 VEN101 PM 0.0/1.21
Project 0700000552 (EA28150K)

Outfall Location Map

ATTACHMENT - B

DIST	COUNTY	ROUTE	POSTMILE POST TOTAL PROJECT	SHEET	TOTAL SHEETS
07	LA/VEN	101	LA (29.10/38.19) VEN (0.00/1.40)		



OUTFALL LOCATION NO.	PM	DIR	TREATMENT BMP TYPE			
			BIOFILTRATION STRIP	SWALE	MEDIA FILTER	GSRD
LOS ANGELES COUNTY-ROUTE 101						
1	29.5	NB		YES		YES
2	29.5	SB		YES		
3	29.8	NB		YES		YES
4	29.9	SB			YES	
5	30.1	SB			YES	
6	30.5	NB			YES	
7	30.8	SB			YES	
8	30.9	SB		YES		
9	31.0	SB	YES			
10	31.0	NB		YES		
11	31.0	SB		YES		YES
12	31.0	NB			YES	
13	31.1	SB	YES			
14	31.3	NB	YES			
15	31.3	SB		YES		
16	31.3	SB		YES		
17	31.3	NB		YES		
18	31.4	NB		YES		
19	31.5	NB		YES		YES
20	31.6	NB			YES	
21	32.1	NB		YES		YES
22	32.1	SB		YES		YES
23	32.1	SB		YES		YES
24	32.4	NB			YES	
25	32.8	SB			YES	
26	33.0	NB			YES	
27	33.4	SB			YES	
28	33.5	SB		YES		YES
29	33.7	SB	YES			
30	33.8	SB	YES			
31	33.8	NB		YES		YES
32	33.8	SB			YES	
33	33.9	NB	YES			
34	34.2	NB	YES			
35	34.9	NB		YES		YES
36	35.0	NB		YES		YES
37	35.1	SB		YES		
38	35.2	SB		YES		YES
39	35.2	SB		YES		YES
40	35.3	SB	YES			
41	35.4	NB			YES	

OUTFALL LOCATION NO.	PM	DIR	TREATMENT BMP TYPE			
			BIOFILTRATION STRIP	SWALE	MEDIA FILTER	GSRD
WESTLAKE VILLAGE						
42	35.5	NB			YES	
43	35.7	SB			YES	
44	36.0	SB			YES	
45	36.3	NB		YES		YES
46	36.8	SB	YES			
47*	37.2	SB	YES			
48	37.5	NB	YES			
49*	37.5	NB		YES		
50	37.5	SB		YES		YES
51	37.5	SB		YES		YES
52	37.5	NB		YES		YES
53	37.5	NB		YES		YES
54	37.5	SB			YES	
55	37.6	SB		YES		YES
56	37.6	NB		YES		
57	37.7	SB		YES		YES
58	37.7	SB		YES		YES
59*	37.8	SB	YES			
60*	38.0	NB	YES			
61	38.0	SB			YES	
62	38.2	SB		YES		YES
VENTURA COUNTY-ROUTE 101						
63	0.20	SB		YES		
64	0.40	SB		YES		
65	0.40	SB			YES	
66	0.60	NB		YES		
67	0.60	NB		YES		
68	1.00	SB		YES		
69	1.10	SB		YES		
70	0.90	NB		YES		
71	1.10	NB		YES		

Note: * These outfall locations are currently under design phase in project EA 07-25210.

OUTFALL LOCATION MAP ATTACHMENT B

Performance Indicators

SHOPP Project Performance Output

Update Date:		Source	Program	Fiscal	RTL	Programming Information (\$1,000)			
District - County - Rte -PM		EA	PPNO	Code	Year	Date	R/W \$30 Construction \$43,000 Support \$11,000		
07-US-101 PM 29.26(LA)/1.21(Ven)		28150K	4279	201.335	2014/15	12/3/13	Project Manager : Ojas Sheth		
Loc: On US-101 between Calabasas Pky (LA) & Hampshire Rd (Ven County)						HQ Program Manager: Jagiwan Grewal			
Project Discription: Storm Water Mitigation on US-101 in LA and Ventura County									
PROGRAM	ACCT. CODE 20.XX.	Quantity of Performance Output					CCA	After Constr uction	PERFORMANCE units
		Ten Year Plan	PID	PA&ED	RTL	CCA			
Approval Date									
Construction Cost (\$1,000)			Output Cost (\$1,000)			Output Cost (\$1,000)			
Right of Way Cost (\$1,000)									
Support Cost Cost (\$1,000)									
EMERGENCY RESPONSE									
Major Damage Restoration	201.130								Locations
Permanent Restoration	201.131								Locations
COLLISION REDUCTION									
Safety Improvements	201.010								Collision Reduce
Collision Severity Reduction	201.015								Collision Reduce
Median Barrier Upgrade	201.020								Centerline Miles
MANDATES									
Relinquishments	201.160								Lane Miles
Noise Attenuation for Schools	201.270								Locations
Railroad	201.325								Locations
Hazardous Waste Mitigation	201.330								Locations
Storm Water	201.335	2014	615						Acres Treated - Pollutant
ADA Compliance	201.361								Curb Ramps
SHOPP TEA	201.736								Locations
BRIDGE PRESERVATION									
Bridge Rehabilitation	201.110								Bridges
Bridge Scour Mitigation	201.111								Bridges
Bridge Rail Replacement/Upgrade	201.112								Linear Feet
Bridge Seismic Restoration	201.113								Bridges
Bridge Widening	201.114								Bridges
Trans Permit Requirements for Bridges	201.322								Bridges
ROADWAY PRESERVATION									
Roadway Rehabilitation (3R)	201.120								Lane Miles
Pavement Preservation (CAPM)	201.121								Lane Miles
Pavement Rehabilitation (2R)	201.122								Lane Miles
Long-Life Pavement Corridors (4R)	201.125								Lane Miles
Roadway Protective Betterment	201.150								Locations
Drainage System Restoration	201.151								Culverts
Signs and Lighting Rehabilitation	201.170								Signs Light Fixtures
MOBILITY									
Operational Improvements	201.310								Daily Vehicle Hours of delay
Transportation Management Systems	201.315								Field Elements
Truck Inspection & WIM Facilities	201.321								Miles of fiber Locations
ROADSIDE PRESERVATION									
Highway Planting Restoration	201.210								Acres
Freeway Maintenance Access	201.230								Locations
Roadside Enhancement	201.240								Locations
Beautification and Modernization	201.245								Centerline Miles
Safety Roadside Rest Area Restoration	201.250								Locations
New Safety Roadside Rest Areas	201.260								Locations
FACILITIES									
Equipment Facilities	201.351								Locations
Maintenance Facilities	201.352								Locations
Office Buildings	201.353								Locations
Materials Lab	201.354								Locations
Additional Performance Units									
Paved Shoulders									

07 LA101 PM 29.26/38.19
07 VEN101 PM 0.0/1.21
Project 0700000552 (EA28150K)

Project Schedule

ATTACHMENT - D

WBS Code	Activity Description	% Comp	Orig Dur	Rem Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float
0.100	PROJ MGMT	5	2,331*	2,215*	12/17/09A	05/13/19	12/17/09A	05/13/19	0
0.100.05	PROJ MGMT - PID CMPNT	65	160*	44*	12/17/09A	09/01/10	12/17/09A	09/01/10	0
0.100.10	PROJ MGMT - PA&ED CMPNT	0	63*	63*	07/01/10	09/29/10	07/01/10	01/18/12	323
0.100.15	PROJ MGMT - PS&E CMPNT	0	902*	902*	09/30/10	05/12/14	01/20/12	10/31/16	620
0.100.20	PROJ MGMT - CONST CMPNT	0	610*	610*	12/02/16	05/13/19	08/08/17	05/13/19	0
0.100.25	PROJ MGMT - RAW CMPNT	0	1,543*	1,543*	09/30/10	12/02/16	01/20/12	05/13/19	609
1.150	DEVELOP PID	65	197	44	12/17/09A	09/01/10	12/17/09A	09/01/10	0
2.160	PERF PREL ENGRG STUDIES &	0	96*	96*	09/02/10	01/24/11	02/07/13	04/08/13	551
2.160.05	UPDD PROJ INFO	0	41	41	09/02/10	10/29/10	02/07/13	04/08/13	606
2.160.10	ENGRG STUDIES	0	81	81	09/02/10	12/30/10	12/10/12	04/08/13	566
2.160.15	DRAFT PR	0	46	46	11/15/10	01/24/11	01/31/13	04/08/13	551
2.160.20	ENGRG & LAND NET SRVYS	0	75	75	09/02/10	12/21/10	12/18/12	04/08/13	572
2.160.30	ESR	0	1	1	09/02/10	09/02/10	04/08/13	04/08/13	646
2.160.40	NEPA DLGN	0	1	1	09/02/10	09/02/10	04/08/13	04/08/13	646
2.165	PERF ENV STUDIES & PREP	0	81*	81*	09/02/10	12/30/10	01/16/19	05/13/19	2,090
2.165.05	ENV SCGP OF ALTS IFS IN PID	0	21	21	09/02/10	10/01/10	01/16/19	02/14/19	2,090
2.165.10	GENL ENV STUDIES	0	21	21	09/02/10	10/01/10	01/16/19	02/14/19	2,090
2.165.15	BIOL STUDIES	0	21	21	09/02/10	10/01/10	01/16/19	02/14/19	2,090
2.165.20	CLTRL RSRC STUDIES	0	21	21	09/02/10	10/01/10	01/16/19	02/14/19	2,090
2.165.25	DED	0	80	80	09/03/10	12/30/10	01/17/19	05/13/19	2,090
2.165.30	NEPA DLGN	0	1	1	09/02/10	09/02/10	05/13/19	05/13/19	2,170
2.170	PMTS AGRES & RAS DURING	0	1	1	07/01/10	07/01/10	05/13/19	05/13/19	2,214
2.175	CIRC DED & SLT PRFD PROJ	0	38*	38*	07/01/10	08/24/10	10/14/11	12/09/11	323
2.175.05	DED CIRC	0	32	32	07/01/10	08/16/10	10/14/11	12/01/11	323
2.175.10	PUB HRG	0	32	32	07/01/10	08/16/10	10/14/11	12/01/11	323
2.175.15	PUB CMNT RESPS & CRNC	0	14	14	07/01/10	07/21/10	11/09/11	12/01/11	341
2.175.20	PROJ PRFD ALT	0	6	6	08/17/10	08/24/10	12/02/11	12/09/11	323
2.180	PREP & APV PR & FED	0	25*	25*	08/25/10	09/29/10	12/12/11	01/18/12	323
2.180.05	FPR	0	10	10	08/25/10	09/08/10	12/12/11	12/23/11	323
2.180.10	FED	0	10	10	08/25/10	09/08/10	12/12/11	12/23/11	323
2.180.15	CMPLTD ENV DOC	0	15	15	09/09/10	09/29/10	12/27/11	01/18/12	323
3.185	BASE MAPS & PLAN SHEETS	0	91*	91*	09/30/10	02/11/11	01/20/12	09/05/12	392
3.185.05	UPDD PROJ INFO	0	9	9	09/30/10	10/12/10	01/20/12	02/01/12	324
3.185.10	SRVYS & PHTGR MPG FOR	0	160	160	09/30/10	05/23/11	01/19/12	09/05/12	323
3.185.15	PREL DSN	0	150	150	07/01/10	02/07/11	02/02/12	09/05/12	396
3.185.20	ENGRG RPTS	0	150	150	10/14/10	05/23/11	02/02/12	09/05/12	323
3.185.25	RAW RQMTS DTRMTN	0	82	82	10/13/10	02/11/11	05/10/12	09/05/12	392
3.185.30	STRUC SITE PLANS	0	1	1	10/12/10	10/12/10	09/05/12	09/05/12	474
4.195	RAW PROP MGMT & EXCS	0	1	1	05/25/11	05/25/11	05/13/19	05/13/19	1,990
4.200	UTIL RELOCN	0	1	1	05/25/11	05/25/11	05/13/19	05/13/19	1,990
3.205	PMTS AGRES & RAS DURING	0	20	20	01/25/11	02/22/11	04/09/13	05/06/13	551
4.220	PERF RAW ENGRG	0	1	1	05/24/11	05/24/11	11/13/13	11/13/13	620
4.225	OBN RAW INTST FOR PROJ	0	1	1	05/25/11	05/25/11	11/14/13	11/14/13	620
3.230	PREP DRAFT PS&E	0	165	165	05/24/11	01/20/12	09/06/12	05/06/13	323
3.235	MIT ENV IMPTS & CLEAN UP	0	20	20	05/24/11	06/21/11	04/16/19	05/13/19	1,972
3.240	DRAFT STRUCS PS&E	0	1	1	07/01/10	07/01/10	05/06/13	05/06/13	710

Start Date 01/01/80
Finish Date 05/13/19
Data Date 07/01/10
Run Date 07/19/10 09:57

NEW1 - 7T00

Sheet 1 of 2

Caltrans District 7

Dynamic Workplan Model

Classic Schedule Layout

WBS Code	Activity Description	% Comp	Orig Dur	Rem Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float
4.245	POST R/W CERTN WRK	0	20	20	05/26/11	06/23/11	04/16/19	05/13/19	1,970
3.250	PREP FNL STRUCS PS&E	0	1	1	07/02/10	07/02/10	07/02/13	07/02/13	749
3.255	CIRC RVW & PREP FNL DIST	0	40	40	01/23/12	03/19/12	05/07/13	07/02/13	323
3.260	CONTR BID DOCS RTL	0	104	104	03/20/12	08/15/12	07/03/13	12/02/13	323
3.265	AWDD & APVD CONST CONTR	0	80	80	01/16/14	05/12/14	07/11/16	10/31/16	620
5.270	CE & GCA	0	370*	370*	12/02/16	05/25/18	08/08/17	05/25/18	0
5.270.10	CONST STAKING PCKG &	0	184	184	12/02/16	08/25/17	08/08/17	05/03/18	170
5.270.15	CONST STAKES	0	164	164	01/03/17	08/25/17	09/06/17	05/03/18	170
5.270.20	CE WRK	0	184	184	12/02/16	08/25/17	08/08/17	05/03/18	170
5.270.25	CONST CONTR ADMIN WRK	0	184	184	12/02/16	08/25/17	08/08/17	05/03/18	170
5.270.30	CONTR ITEM WRK INSPN	0	184	184	12/02/16	08/25/17	08/08/17	05/03/18	170
5.270.35	CONST MTL S&T	0	184	184	12/02/16	08/25/17	08/08/17	05/03/18	170
5.270.40	SAFETY & MTCE RVWS	0	10	10	08/28/17	09/11/17	05/04/18	05/17/18	170
5.270.45	RLF FROM MTCE PROCESS	0	1	1	09/12/17	09/12/17	05/18/18	05/18/18	170
5.270.55	FNL INSPN & ACPTC RCMDN	0	5	5	05/21/18	05/25/18	05/21/18	05/25/18	0
5.270.60	PLANT ESTABLISHMENT	0	250	250	05/26/17	05/25/18	05/26/17	05/25/18	0
5.270.65	TMP IMPLN DURING CONST	0	184	184	12/02/16	08/25/17	08/08/17	05/03/18	170
5.270.70	UPDD ECR	0	200	200	12/02/16	09/19/17	08/08/17	05/25/18	170
5.270.75	RSRC AGENCY PMT RNWL &	0	200	200	12/02/16	09/19/17	08/08/17	05/25/18	170
5.270.80	L-TRM ENV MITIGN/MNTG	0	20	20	12/02/16	12/30/16	04/30/18	05/25/18	350
5.275	CE & GCA OF STRUCS WRK	0	200	200	12/02/16	09/19/17	08/08/17	05/25/18	170
5.285	CCO ADMIN	0	610*	610*	12/02/16	05/13/19	08/08/17	05/13/19	0
5.290	RSLV CONTR CLAIMS	0	610*	610*	12/02/16	05/13/19	08/08/17	05/13/19	0
5.295	ACPT CONTR PREP FE & FR	0	240	240	05/29/18	05/13/19	05/29/18	05/13/19	0
4.300	PERF FNL R/W ENGRG ACTS	0	1	1	12/02/16	12/02/16	05/13/19	05/13/19	609
M000	ID NEED	100	0	0		12/17/09A		12/17/09A	
M010	APPROVE PID	0	0	0		09/01/10*		09/01/10*	0
M015	PROG PROJ	0	0	0		09/01/10		11/14/12	551
M020	BEGIN ENVIRO	0	0	0		09/01/10		01/15/19	2,090
M040	BEGIN PROJ	0	0	0		09/01/10		11/14/12	551
M060	CIRC DPR & DED	0	0	0		09/01/10		05/13/19	2,171
M100	APPROVE DPR	0	0	0		01/24/11		05/13/19	2,075
M160	APPROVE FED	0	0	0		08/24/10		12/09/11	323
M200	PA&ED	0	0	0		09/29/10		01/18/12	323
M221	BRIDGE SITE DATA ACCEPTED	0	0	0		06/30/10		11/13/13	844
M222	BEGIN BRIDGE	0	0	0		06/30/10		11/13/13	844
M224	R/W MAPS	0	0	0		05/23/11		11/12/13	620
M225	REGULAR R/W	0	0	0		05/24/11		11/13/13	620
M275	GENERAL PLANS	0	0	0		06/30/10		05/03/13	710
M300	CIRC PLANS IN DIST	0	0	0		01/20/12		05/06/13	323
M318	DESIGN SAFETY REVIEW	0	0	0		01/20/12		05/06/13	323
M328	CONSTRUCTABILITY REVIEW	0	0	0		01/20/12		05/06/13	323
M377	PS&E TO DOE	0	0	0		01/20/12		05/06/13	323
M378	DRAFT STRUC PS&E	0	0	0		07/01/10		05/06/13	710
M380	PROJ PS&E	0	0	0		03/19/12		07/02/13	323
M410	R/W CERT	0	0	0		05/25/11		11/14/13	620
M460	RTL	0	0	0		12/02/13*		12/02/13*	0
M480	HQ ADVERT	0	0	0		01/15/14		07/08/16	620
M495	AWARD	0	0	0		05/27/14		11/15/16	620
M500	APPROVE CONTRACT	0	0	0		12/01/16*		12/01/16*	0
M588	FINAL SAFETY REVIEW	0	0	0		05/25/18		05/25/18	0
M600	CONTRACT ACCEPT	0	0	0		05/25/18		05/25/18	0
M700	FINAL REPORT	0	0	0		05/13/19		05/13/19	0
M800	END PROJ	0	0	0		05/13/19		05/13/19	0

07 LA101 PM 29.26/38.19
07 VEN101 PM 0.0/1.21
Project 0700000552 (EA28150K)

Cost Estimate

I. ROADWAY ITEMS

<u>Section 1 Earthwork</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Roadway Excavation	800,000	CF	\$2.00	\$1,600,000	
Structure Backfill	250,000	CF	\$3.00	\$750,000	
Imported Borrow					
Clearing & Grubbing	1	LS	\$50,000	\$50,000	
Subtotal of Earthwork Items					<u>\$2,400,000</u>

<u>Section 2 Pavement Structure</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
JPCP Pavement (1.0 ft depth)					
Lean Concrete Base					
Asphalt Concrete					
Cement-Treated Base					
Aggregate Base, Class 3					
Aggregate Subbase					
Edge Drains					
Maintenance Access					
Subtotal Pavement Structural Section					<u> </u>

<u>Section 3 Drainage Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Biofiltration Strip	13	EA.	\$32,000	\$416,000	
Biofiltration Swale	40	EA.	\$60,000	\$2,400,000	
Media Filter Device	18	EA.	\$450,000	\$8,100,000	
Gross Solid Removal Devices :	22	EA.	\$250,000	\$5,500,000	
Drainage Modification	71	EA.	\$50,000	\$3,550,000	
Subtotal Drainage Section					<u>\$19,966,000</u>

Section 6 Minor Items

\$28,080,000	X	<u>5.00%</u>	<u>\$1,404,000</u>
Subtotal Sections 1-5		(x%)	

TOTAL MINOR ITEMS	<u>\$1,410,000</u>
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SUBTOTAL SECTIONS 1-6	<u>\$29,490,000</u>
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Section 7 Roadway Mobilization

<u>\$29,490,000</u>	X	<u>10.00%</u>	<u>\$2,949,000</u>
Subtotal Sections 1-6		(x%)	

TOTAL ROADWAY MOBILIZATION	<u>\$2,950,000</u>
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SUBTOTAL SECTIONS 1-7	<u>\$32,440,000</u>
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Section 8 Roadway Additions

Supplemental			
\$32,440,000	X	<u>5.00%</u>	<u>\$1,622,000</u>
Subtotal Sections 1-7		(x%)	

Contingencies			
\$32,440,000	X	<u>15.00%</u>	<u>\$4,866,000</u>
Subtotal Sections 1-7		(x%)	

TOTAL ROADWAY ADDITIONS	<u>\$6,490,000</u>
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TOTAL ROADWAY ITEMS	<u>\$38,930,000</u>
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(Total of sections 1-8)

TOTAL ROADWAY ITEMS + 10% TRO	<u>\$42,830,000</u>
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Estimate Prepared By

<u>Lac Tran</u>
(Print Name)

Phone #	7-5426	Date: 07/19/10
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Estimate Checked By

<u>David Oen</u>
(Print Name)

Phone #	7-5995	Date: 07/19/10
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Project: 0700000552 (EA28150K)

II. STRUCTURES ITEMS

STRUCTURE

Bridge Name				
Structure Type				
Width (Replacement) - (ft)				
Widening Width - (ft)				
Span Lengths - (ft)				
Total Area - (ft ²)				
Footing Type (Pile/Spread)				
Cost Per ft ²				
(include 10% mobilization and 20% contingency)				
Total Cost for Structure				
Removal Cost				
Remove Approach/Departure Slabs				
Approach/Departure Slabs				
Joint Seal				

Railroad Related Costs **SUBTOTAL STRUCTURES ITEMS** _____

SUBTOTAL RAILROAD ITEMS _____

TOTAL STRUCTURES ITEMS _____

USE _____

Estimate Prepared By Lac Tran 7-5426 Date: 07/19/10
(If appropriate, attach additional Print Name Phone #
pages and backup)

Project: 0700000552 (EA28150K)

III. RIGHT OF WAY

	Current Values	Escalated Values*
A. R/W Acquisition		
B. Utility Relocation (State Share)	<u>\$30,000</u>	<u>\$ 51,293</u>
C. RAP (cont rate.)	<u> </u>	<u> </u>
D. Clearance/Demolition	<u> </u>	<u> </u>
E. Title and Escrow Fees	<u> </u>	<u> </u>
TOTAL ESTIMATE COST	<u>\$30,000</u>	<u>\$51,293</u>

Anticipated Date of Right of Way Certificaiton 5/25/2011
 (Date to which Values are escalated)

F. Construction Contract Work

Right of Way Branch Cost Estimate for Work _____
 (This dollar amount is to be included in the Roadway
 and/or Structures Items of Work, as appropriate.
 Do not include in Righth of Way Items.)

COMMENTS:

Estimate Prepared By Lac Tran 7-5426 Date: 07/19/10
 (If appropriate, attach additional Print Name Phone # Date
 pages and backup)

Schematic Diagrams of Treatment BMPs

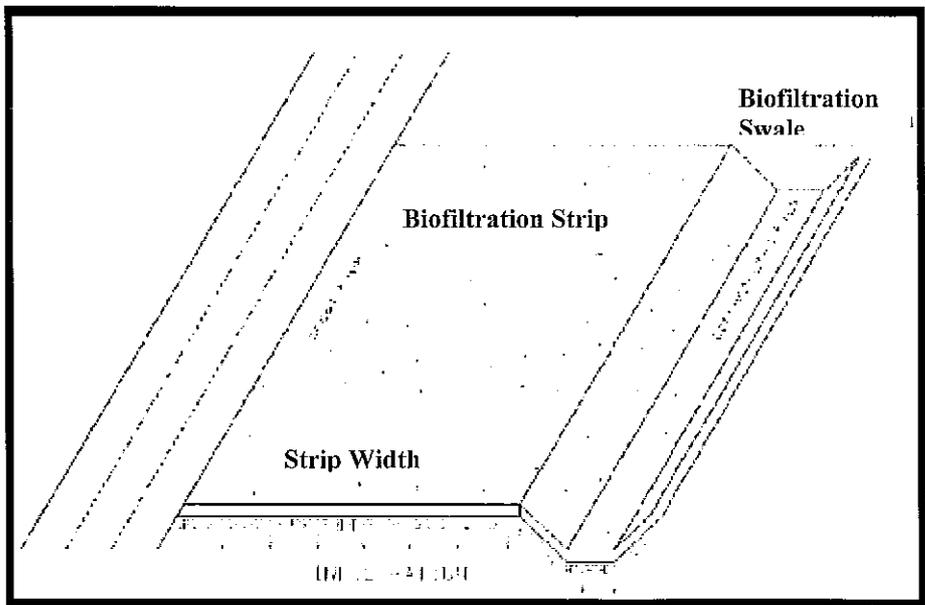


Figure 1: Schematic of Biofiltration Strip and Swale

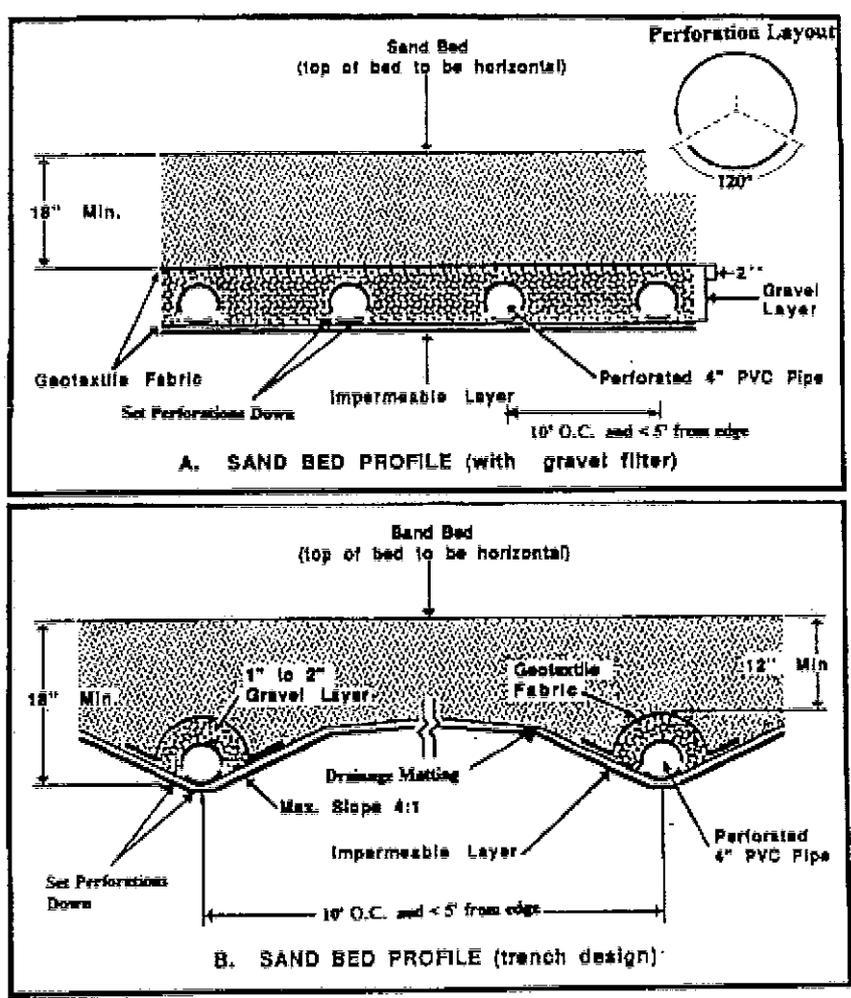


Figure 2: Schematic of Media Filter

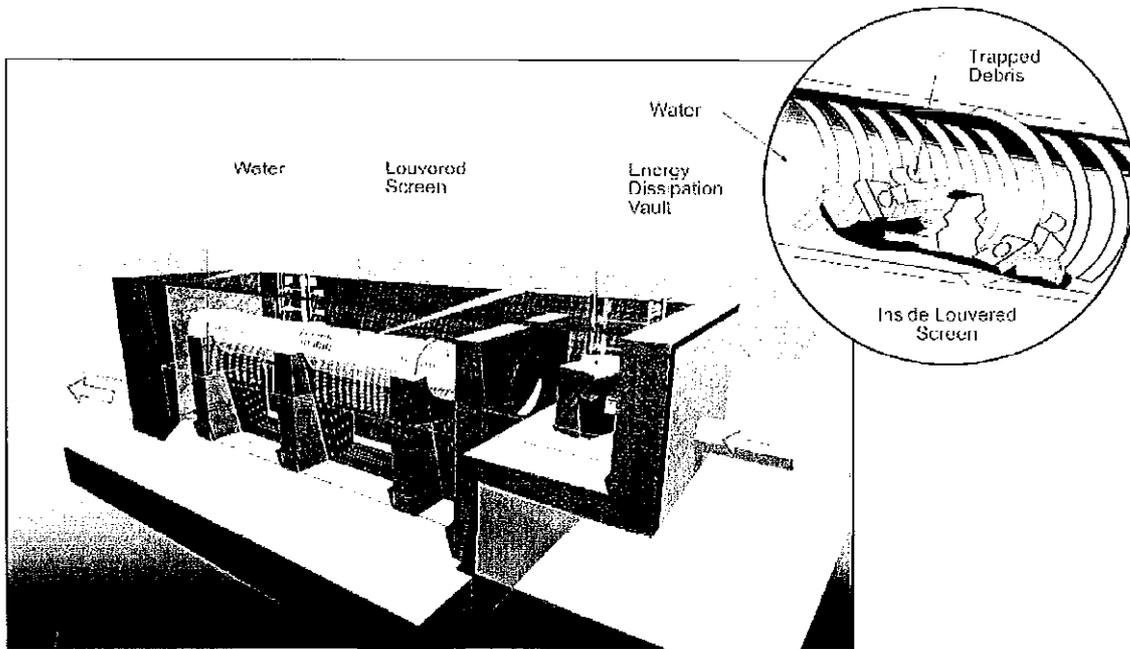


Figure 3: Schematic of the Linear-Radial GSRD

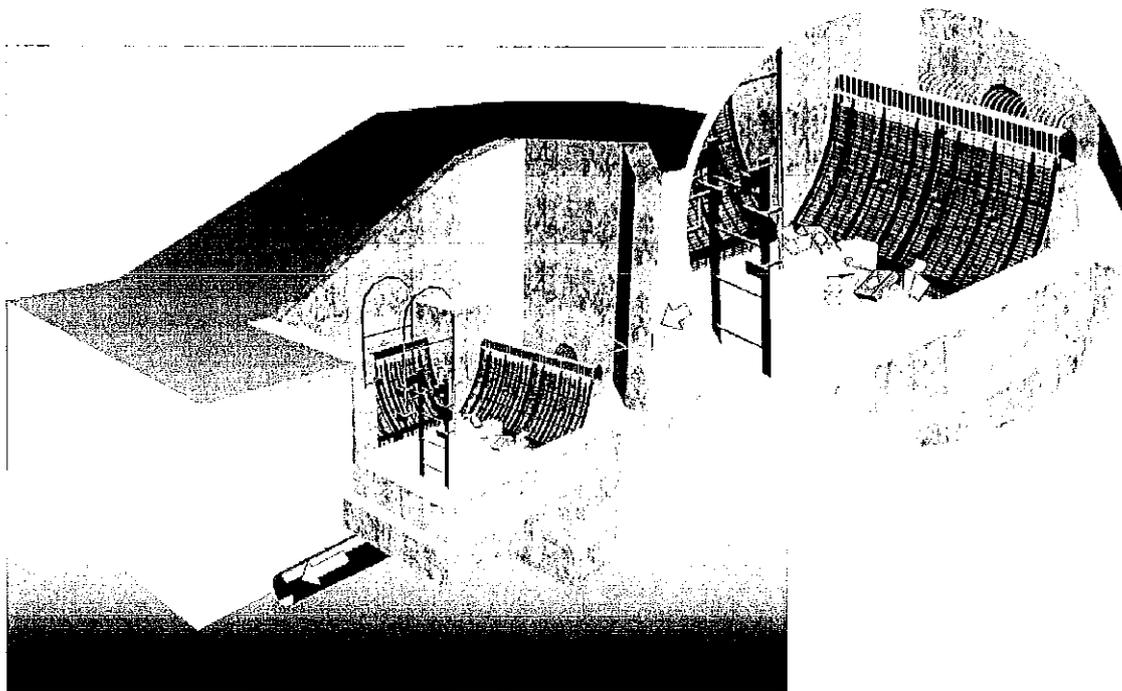


Figure 3: Schematic of the Inclined Screen GSRD

Environmental Clearance

CATEGORICAL EXEMPTION/ CATEGORICAL EXCLUSION DETERMINATION FORM

07-LA-101 07-VEN-101	29.26/38.19 0.0/1.21	28150K	201003008
Dist.-Co.-Rte. (or Local Agency)	P.M/P.M.	E.A. (State project)	CE No.

PROJECT DESCRIPTION:

(Briefly describe project, purpose, location, limits, right-of-way requirements, and activities involved.)

Enter project description in this box. Use Continuation Sheet, if necessary

The proposed project is located along US-101 between Calabasas Parkway in LA County and Hampshire Road in Ventura County. The proposed project includes the design and construction of Best Management Practice (BMP) Devices for Storm Water Mitigation at 72 outfall/discharge points in order to comply with the Total Maximum Daily Load (TMDL) requirements for storm water discharge from Caltrans facilities within the Malibu Creek Watershed. The BMPs considered will be natural trash-capturing devices (i.e. bio-swales/strips), infiltration/detention basins, media filters, and Gross Solid Removal Devices (GSRDs). The BMPs will be installed along the right-of-way and will replace existing drainage systems within Caltrans right-of-way.

CEQA COMPLIANCE (for State Projects only)

Based on an examination of this proposal, supporting information, and the following statements (See 14 CCR 15300 et seq.):

- If this project falls within exempt class 3, 4, 5, 6 or 11, it does not impact an environmental resource of hazardous or critical concern where designated, precisely mapped and officially adopted pursuant to law.
- There will not be a significant cumulative effect by this project and successive projects of the same type in the same place, over time.
- There is not a reasonable possibility that the project will have a significant effect on the environment due to unusual circumstances.
- This project does not damage a scenic resource within an officially designated state scenic highway.
- This project is not located on a site included on any list compiled pursuant to Govt. Code § 65962.5 ("Cortese List").
- This project does not cause a substantial adverse change in the significance of a historical resource.

CALTRANS CEQA DETERMINATION (Check one)

Exempt by Statute. (PRC 21080[b]; 14 CCR 15260 et seq.)

Based on an examination of this proposal, supporting information, and the above statements, the project is:

Categorically Exempt. Class 1. (PRC 21084; 14 CCR 15300 et seq.)

Categorically Exempt. General Rule exemption. [This project does not fall within an exempt class, but it can be seen with certainty that there is no possibility that the activity may have a significant effect on the environment (CCR 15061[b][3])]

Carlos Montez

Print Name: Environmental Branch Chief

Signature

Date

3/9/10

Ojas Sheth

Print Name: Project Manager/DLA Engineer

Signature

Date

3/10/10

NEPA COMPLIANCE

In accordance with 23 CFR 771.117, and based on an examination of this proposal and supporting information, the State has determined that this project:

- does not individually or cumulatively have a significant impact on the environment as defined by NEPA and is excluded from the requirements to prepare an Environmental Assessment (EA) or Environmental Impact Statement (EIS), and
- has considered unusual circumstances pursuant to 23 CFR 771.117(b) (<http://www.fhwa.dot.gov/hep/23cfr771.htm> - sec.771.117).

In non-attainment or maintenance areas for Federal air quality standards, the project is either exempt from all conformity requirements, or conformity analysis has been completed pursuant to 42 USC 7506(c) and 40 CFR 93.

CALTRANS NEPA DETERMINATION (Check one)

Section 6004: The State has been assigned, and hereby certifies that it has carried out, the responsibility to make this determination pursuant to Chapter 3 of Title 23, United States Code, Section 326 and a Memorandum of Understanding (MOU) dated June 7, 2007, executed between the FHWA and the State. The State has determined that the project is a Categorical Exclusion under:

- 23 CFR 771.117(c): activity (c)
- 23 CFR 771.117(d): activity (d)
- Activity 1 listed in the MOU between FHWA and the State

Section 6005: Based on an examination of this proposal and supporting information, the State has determined that the project is a CE under Section 6005 of 23 U.S.C. 327.

Carlos Montez

Print Name: Environmental Branch Chief

Signature

Date

3/9/10

Ojas Sheth

Print Name: Project Manager/DLA Engineer

Signature

Date

3/10/10

Briefly list environmental commitments on continuation sheet. Reference additional information, as appropriate (e.g., air quality studies, documentation of conformity exemption, FHWA conformity determination if Section 6005 project; §106 commitments; §4(f); §7 results; Wetlands Finding; Floodplain Finding; additional studies; and design conditions). Revised September 15, 2008

CATEGORICAL EXEMPTION/CATEGORICAL EXCLUSION DETERMINATION FORM
Continuation Sheet

07-LA-101 07-VEN-101	29.26/38.19 0.0/1.21	28150K	201003008
Dist.-Co.-Rte. (or Local Agency)	P.M/P.M.	E.A. (State project)	CE No.

Continued from page 1:

The following measures for biological resources shall be adhered to:

- Clearing or cutting of any vegetation along Caltrans right-of-way requires the implementation of the Standard Specification: **Clearing and Grubbing** (XE "16-010_E_A05-02-08")
- In conjunction with the Clearing and Grubbing Standard Specification, the "Bird Nesting Specification" a federal mandate of the **Migratory Bird Treaty Act** should also be included into the Specification package.

Because the project is within the Malibu Creek Watershed and associated creeks (Medea, Las Virgenes, Calabasas, or Caballero) and contains existing V-ditches, swales or channels draining to these waterways, there exists the potential to impact these federal or state protected waters. BMP sites which could impact these creeks, and can be classified as "Water of the U.S." or **Jurisdictional Wetlands** under U.S. Army Corps of Engineers determination or under State of California Dept. of Fish and Game codes may trigger application of one or all of the following permits:

- 1) U.S. Army Corps of Engineers (**Federal Code, Section 404 Permit**)
- 2) Regional Water Quality Control Board (**State of CA Code, Section 401 Permit**)
- 3) California Dept. of Fish and Game (**State of CA Code, Section 1602 Agreement**)

Once final site locations are determined, then field verification will better determine which of the applicable permits are necessary.

If there should be a change in the scope of work, further re-evaluation would be necessary and this Division should be notified.

Right of Way Data Sheet

TO Kelvin Yuen
 ATTN David Oen
 PHONE (213) 897-5995
 SENIOR RAW P&M
 ROUTE 07-LA & VEN 101
 PM_KM LA PM(29.26/38.19) VEN PM(0.0/1.21
 EA 28150K
 ALT N/A

R/W DATA SHEET

Date of Data Sheet 3/26/2010

ID NO
 1694

WBS
 REVISED
 UPDATED
 PROJ_DESC HA42 201.335 SHOPP Project Storm Water Mitigation
 FSSR

This cost estimate is pursuant to the following statements which are based on information provided by Kelvin Yuen.

This cost estimate is valid for the above scoping report only. This is an estimate only and not an appraisal. It may be based on worse case scenarios. The estimate is subject to change and revision.

The mapping did not provide sufficient nor adequate detail to determine the limits of the Right of Way required and effects on the improvements.

The transportation facilities have not been sufficiently designed for our estimator to determine the damages to any of the remainder parcels affected by the project.

Residential displacement is not involved .

Utility facilities or Utility Right of Way are not affected.

Railroad facilities or R.R. Right of Way are not affected.

Right of Way work will not be performed by Caltrans staff.

Major items of Construction Contract Work are anticipated

It is not known at this time whether there are any material borrow and/or disposal sites are required.

It is not known at this time whether there are potential relinquishments and/or abandonments.

Hazardous waste parcels are not evident

Time constraints precluded a detailed cost estimate.

The time schedule provided by the requesting party allowed for a field inspection.

RW COST ESTIMATE

	CURRENT VALUE	ESCALATED VALUE
R/w acq.(incl.contingency G.w-condem.-adm.s'tl.)Permits	NONE	NONE
Clearance	NONE	NONE
RAP (cont rate.)	NONE	NONE
Escrow costs (cont rate.)	NONE	NONE
Utility relocation costs	\$30,000	\$51,293
Estimate of Reimbursed Appraisal Fee	NONE	NONE
Total estimated cost	\$30,000	\$51,293

NO RIGHT OF WAY

ESCALATION RATE RW .07
 ESCALATION RATE Utilities .10
 CERT.DATE 6/17/14

According to David Oen, no RW is required for this job.

RR INFORMATION

Are RR affected no

Describe affected RR none

WHEN BRANCH LINES OR SPURS ARE AFFECTED, WOULD ACQUISITION AND OR PAYMENT OF DAMAGES TO BUSINESSES AND OR INDUSTRIES SERVED BY THE RAILROAD FACILITY BE MORE COST EFFECTIVE THAN SERVICE CONTRACTS ,OR GRADE SEPARATIONS REQUIRING CONSTRUCTION AND MAINTENANCE AGREEMENTS INVOLVED?

N/A

Explain Branch lines N/A

DISCUSS TYPES OF AGREEMENTS AND RIGHTS REQUIRED FROM THE RAILROADS. ARE GRADE XING REQUIRING SERVICE CONTRACTS ,OR GRADE SEPARATIONS REQUIRING CONSTRUCTION AND MAINTENANCE AGREEMENTS INVOLVED.

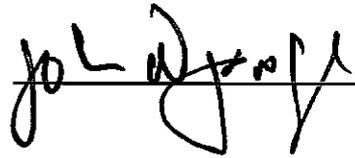
none

ESTIMATED COST TO THE STATE FOR ALL R.R. INVOLVEMENTS. \$0

		<u>DATE</u>
Right of Way Estimate prepared by	<u>Victor Lee</u>	<u>12/15/09</u>
Railroad Estimate prepared by	<u>Lowell W. Anderson</u>	<u>1/5/10</u>
Utilities Estimate prepared by	<u>Sonya Carter</u>	<u>3/18/10</u>

I have personally reviewed this R/W Data Sheet and all supporting information I certify that the probable highest and best use estimated values and assumptions are reasonable and proper subject to the limiting conditions set forth and I find this Data Sheet complete and current.

This Data Sheet is not to be signed by Chief unless accompanied by final scoping report(PR,PSR,PSSR) for review and/or signature.

CHIEF  10/11/10

TMP Data Sheet

TRANSPORTATION MANAGEMENT PLAN DATASHEET

(Preliminary TMP Elements and Costs)

Co/Rte/PM LA-101, 29.26-38.2,
Ven-101, 0.0-1.21 EA 28150K Alternative No: NA
 Project Limit Calabasas Parkway to Hampshire Road OC
 Project Description Install BMP's for Storm Water Mitigation

1) Public Information

- a. Brochures and Mailers \$ _____
- b. Press Release _____
- c. Paid Advertising \$ _____
- d. Public Information Center/Kiosk \$ _____
- e. Public Meeting/Speakers Bureau _____
- f. Telephone Hotline _____
- g. Internet _____
- h. Others \$ _____

2) Motorists Information Strategies

- a. Changeable Message Signs (Fixed) \$0 _____
- b. Changeable Message Signs (Portable) \$ _____
- c. Ground Mounted Signs \$ _____
- d. Highway Advisory Radio \$ _____
- e. Caltrans Highway Information Network (CHIN) _____
- f. Others \$ _____

3) Incident Management

- a. Construction Zone Enhanced Enforcement Program (COZEEP) \$30,000 _____
- b. Freeway Service Patrol \$ _____
- c. Traffic Management Team _____
- d. Helicopter Surveillance \$ _____
- e. Traffic Surveillance Stations (Loop Detector and CCTV) \$ _____
- f. Others \$ _____

4) Construction Strategies

- a. Lane Closure Chart
- b. Reversible Lanes
- c. Total Freeway Mainline Closure
- d. Extended Weekend Closure
- e. Contra Flow
- f. Truck Traffic Restrictions \$
- g. Reduced Speed Zone \$
- h. Connector and Ramp Closures
- i. Incentive and Disincentive \$
- j. Moveable Barrier \$
- k. Others \$

5) Demand Management

- a. HOV Lanes/Ramps (New or Convert) \$
- b. Park and Ride Lots \$
- c. Rideshare Incentives \$
- d. Variable Work Hours
- e. Telecommute
- f. Ramp Metering (Temporary Installation) \$
- g. Ramp Metering (Modify Existing) \$
- h. Others \$

6) Alternative Route Strategies

- a. Add Capacity to Freeway Connector/Ramps \$
- b. Street Improvement (widening, traffic signal... etc) \$
- c. Traffic Control Officers \$
- d. Parking Restrictions
- e. Others \$

7) Other Strategies

- a. Application of New Technology \$
- e. Others \$

TOTAL ESTIMATED COST OF TMP ELEMENTS =

\$30,000

Project Notes:

1. Public Awareness Campaign (PAC) elements and costs provided by Judy Gish of

Office of Media/Public Affairs on December 17, 2009

2. Motorist Information Strategies

The following existing CMS may be used during construction:

Route 101: CMS #115 (SB @ Lost Hills Rd).

3. Incident Management

COZEEP provided by Mike Lopez on December 16, 2009.

4. Construction Strategies

It is anticipated that all work will be performed behind normal lane closures or shoulder closures.

5. Demand Management

Demand Management is not required since there are no long term closures reducing freeway capacity in this project.

6. Alternate Route Strategies

Alternate Route Strategies are not required since there are no long term closures reducing freeway capacity in this project.

PREPARED BY

Robert Colvin

DATE 12-29-09

Robert Colvin, T.E.

APPROVAL RECOMMENDED BY

Albert Yu

DATE 12-29-09

Albert Yu, S.T.E.

APPROVED BY

John Yang
John Yang, District Traffic Manager

DATE 12/29/09

Storm Water Data Report

Hazardous Waste

07 LA101 PM 29.26/38.19
07 VEN101 PM 0.0/1.21
0700000552 (EA28150K)

Hazardous Waste

ATTACHMENT - K

M e m o r a n d u m

*Flex your power!
Be energy efficient!*

To: Kelvin Yuen S.T.E.
Office of Project and Special Studies

Date: January 28, 2010
File: 07-LA/VEN 101,PM Vary
BMPs for Storm Water
EA 28150K

Attn: David Oen

From: Department of Transportation
Office of Environmental Engineering and Feasibility Studies
Hazardous Waste Branch, North Region

Subject: Hazardous Waste Assessment of PSR/PSSR Information

We reviewed your request dated 12/8/2009 for hazardous waste assessment of the approximately 72 locations where BMPs are to be constructed next to northbound and southbound LA/VEN 101. Construction of these facilities will require excavations in the proximity of the travel way at 84 different locations within the 72 sites.

We understand there are three types of facilities: Biofiltration (Strip or Swale), Media Filter and GSRD. The Biofiltration facilities and GSRD will require 1-3 feet of excavation and Media Filter approximately 5-6 feet.

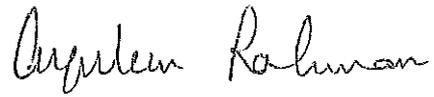
The past hazardous waste assessments in the LA-101 corridor where the BMPs will be constructed indicate presence of aeriaily deposited lead (ADL) that date back to August 1994, July 1996 April 2006 and November 2007. Based on the information from these reports, the exposed median and shoulders of the project area have ADL concentrations that exceed threshold of CCR Title 22. However, due to the numerous sites that need to be excavated for this project, the available ADL data have limited value. Therefore, further ADL site investigation needs to be carried out before PS&E date, in order to assess its impact on the project.

Generally, the potential impact of ADL tends to decrease with depth and distance from the travel-way. Therefore, the results of the ADL site investigation on the 84 sites and their final excavation plans will be used for determining their disposal alternatives, based on their TTLC, STLC, Di-wet and TCLP lead concentrations.

For estimation purpose, we recommend, to consider soil up to the depth of excavation to be contaminated with ADL, disposable to Class I landfill facility.

The project will require lead compliance plan (LCP) to prevent or minimize worker's exposure to the lead impacted soil that will be excavated. The lead compliance plan should be prepared and approved by a certified Industrial Hygienist (CIH). For engineer's cost estimate for removal of possible ADL impacted soil and preparation of LCP, please refer to the latest contract cost base at <http://t8web/design/contractcost/>.

If you have questions regarding this memorandum, please contact me at 7-0670 or Ali Nili at 7-3640.

A handwritten signature in black ink that reads "Ayubur Rahman". The signature is written in a cursive style with a large initial 'A'.

Ayubur Rahman P.E.
District Hazardous Waste Coordinator-North Region
Office of Environmental Engineering and Corridor Studies

Air Quality and Conformity

Memorandum

*Flex your power!
Be energy efficient!*

To: Kelvin Yuen, STE
Office of Project Studies
Division of Planning

Date: January 21, 2010
File: 07-LA-101
PM 29.26/38.19
07-VEN-101 PM 0/1.21
EA: 07-335-28150K

From: ANDREW YOON
Senior Transportation Engineer
Air Quality Branch
Office of Environmental Engineering and Corridor Studies

Subject: *Issuance of exemption from air quality analyses per Title 40, Code of Federal Regulations, Section 93.126, Table 2 (Exempt Projects) for the Implementation of Best Management Practices (BMPs) for the Storm Water Mitigation Project on US-101 between Calabasas Parkway in Los Angeles County and Hampshire Road in Ventura County*

This memorandum has been prepared in response to your request dated December 9, 2009 for an Air Quality review of the above referenced project. The proposed scope of the project is to implement Best Management Practices (BMPs) for Storm Water Mitigation at 72 outfall locations on US-101 between Calabasas Parkway in Los Angeles County and Hampshire Road in Ventura County to comply with Regional Board TMDL requirements/resolution.

The Office of Environmental Engineering and Corridor Studies (OEECS), Air Quality Branch (AQB) has completed the review and provides the comments below.

Per 40 CFR 93.126 published in the Federal Register (volume 69, page 40004) on July 1, 2004, Table 2 allows certain projects to be exempt from all emissions analyses. The proposed project is listed in Table 2 under the subtitle "Other" and classification "Plantings, landscaping, etc." Therefore, pursuant to 40 CFR 93.126, this project is deemed classified and is exempt from the requirement to determine conformity.

The *Transportation Project-Level Carbon Monoxide Protocol* (published by Institute of Transportation Studies, University of California, Davis, Revised December 1997) indicates that a project-level air quality analysis is not required for projects exempt pursuant to 40 CFR 93.126; and it is unlikely that the proposed project will result in an adverse impact to ambient CO.

Portions of the project are located in Los Angeles County, which is in a federal non-attainment area for PM₁₀ and PM_{2.5}. The project, however, is exempt from the conformity requirements per 40 CFR 93.126 and it is a type of project that is not anticipated to involve a significant number or result in an increase in the number of diesel vehicles or increase in vehicle idling. The proposed project is expected to have a neutral influence on PM₁₀ and PM_{2.5} emissions; and thus is not anticipated to be of

air quality concern for PM_{10} and $PM_{2.5}$. The proposed project is unlikely to result in adverse impacts to ambient PM_{10} and $PM_{2.5}$.

The proposed project is not anticipated to result in any meaningful changes to traffic volumes, vehicle mix, location of the existing facility, or any other factors that would cause an increase in mobile source air toxic (MSAT) emissions impacts relative to the no-build alternative. It is understood that this project qualifies for the Section 6004 Categorical Exclusion (CE). Pursuant to the *FHWA's Interim Guidance Update on Mobile Source Air Toxic Analysis in NEPA Documents* dated September 30, 2009, projects that are CE under 23 CFR 771.117 (c) or are exempt under the Clean Air Act pursuant to 40 CFR 93.126, do not require an analysis or discussion of MSAT.

The proposed project is located within the boundaries of South Coast Air Quality Management District (SCAQMD) and Ventura County Air Pollution Control District (VCAPCD); therefore this project must comply with both the SCAQMD Fugitive Dust Implementation Rule 403 and the VCAPCD Fugitive Dust Rule 55 to minimize temporary emissions during construction of the project as applicable and appropriate.

It is requested that the AQB be informed of any further changes to the proposed scope or the class of action determined for this project. Such changes may require update or reassessment of air quality issues for the proposed project.

If you have any questions, please contact me at (213) 897-6117 or Liberty San Agustin at (213) 897-4638.

Cc: Carlos Montez, Office of Environmental Planning