

07-VEN-101 PM 14.05-21.06
SHOPP 201.335
27600K
February 2009

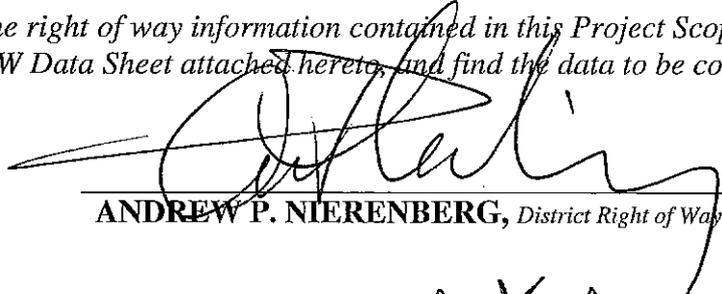
**PROJECT SCOPE SUMMARY REPORT
(STORM WATER MITIGATION)
To
Request Programming in the 2010 SHOPP**

On Route 101

Between Lewis Road

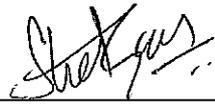
And Just North of Rose Ave.

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, *District Right of Way Manager*

APPROVAL RECOMMENDED:



3/26/09

OJAS SHETH, *Project Manager*

CONCURRED:



JAMES McCARTHY, *Deputy District Director
Planning Public Transportation And Local Assistance*



WILLIAM REAGAN, *Deputy Districts Director/
Division Of Design*

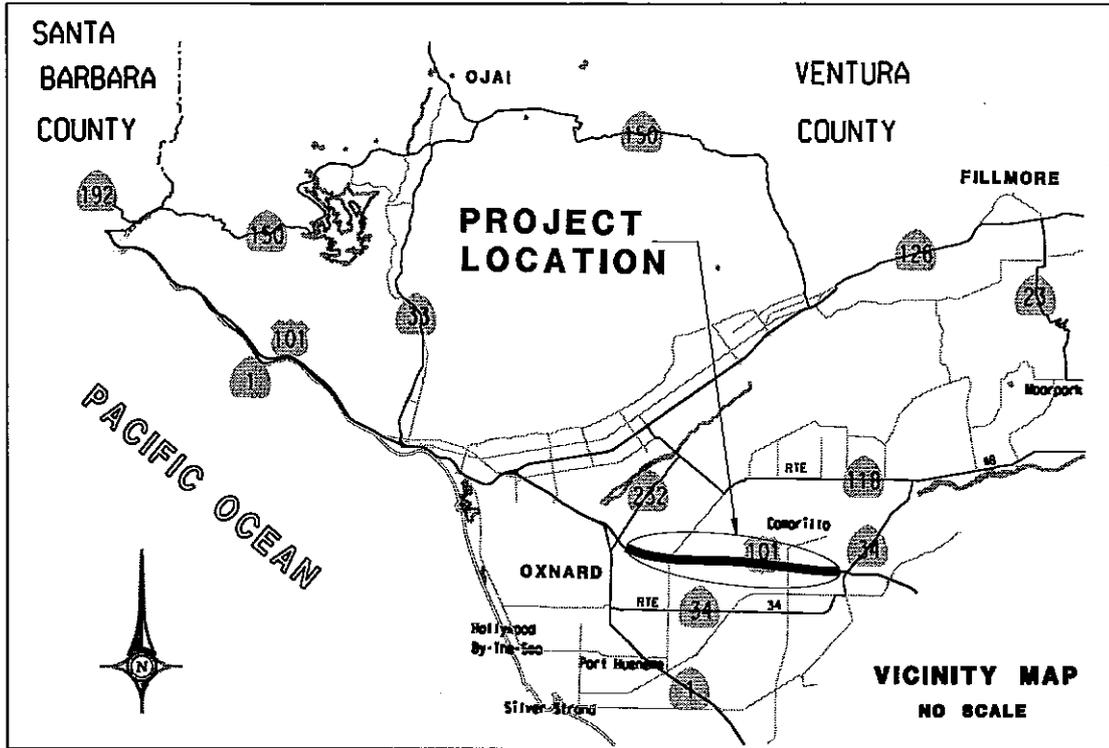
APPROVED:



DOUGLAS R. FAILING, *District Director*

4/1/09

DATE



On Route _____ 101 _____

Between _____ Lewis Road _____

And _____ Just North of Rose Ave. _____

07-VEN-101 PM 14.05 - 21.06

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.



Abdol F

HAJIPOUR, REGISTERED CIVIL ENGINEER

2/02/09

DATE

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1. PROJECT LIMITS (DIST., CO., RTE., PM)

07-VEN-101 PM 14.05 - 21.06

2. PROJECT DESCRIPTION

This Project is to implement storm water treatment Best Management Practices (BMPs) to comply with the requirements in the Beardsley Wash and Revolon Slough Trash Total Maximum Daily Load (Trash TMDL) that became effective on March 6, 2008.

Total Maximum Daily Load is a water quality regulation that requires public entities, such as County, municipal governments and Caltrans who discharge surface runoff containing pollutants into the impaired receiving water bodies through storm drain systems, to reduce pollutants in the storm water discharges in order to restore the receiving water bodies to water quality objectives set forth in the California Water Quality Control Plan for the Los Angeles Region (Basin Plan).

The subject impaired receiving water body is Beardsley Wash and Revolon Slough, a tributary of the Calleguas Creek. The portion of the tributary north of State Route Ven-101 is named Beardsley Wash while the portion south of Ven-101 is named Revolon Slough.

This TMDL Implementation Project (Project) is located on route VEN-101 from north of Lewis Road to just North of Rose Ave. This project lies within the limits of the Ventura County Municipal Separate Storm Sewer System (MS4s) area in the City of Camarillo.

This Project Scope Summary Report (PSSR) proposes the design and construction of Gross Solid Removal Devices (GSRDs), and other Treatment BMPs including media filters and infiltration basins at various storm drain outfall/discharge locations within the above project limits.

All of the outfalls within the project limits lie in, and drain into the Beardsley Wash/Revolon Slough watershed. Field investigations eliminated many outfall locations due to the fact that the locations were verified to be culverts which were not considered for this type of project.

Upon detailed field reviews and analysis of 35 pre-selected outfall locations, this project proposes the installation of GSRDs at 15 locations, Media Filters at 3 locations and Infiltration Basins at 1 location, with a total of 19 Treatment BMPs treating outfalls at 22 locations within Caltrans right-of-way along the above project limits of VEN-101. Thirteen outfall locations were screened out due to its technical infeasibility, right of way restrictions, soil incompatibility or adjacent

project work [EA: 191601, 249800, 003431]. Reference Attachment C1 for details.

The construction cost for this project is estimated at \$14.9 million in 2009 dollars including potential hazardous waste mitigation and disposal, storm water pollution control and other essential costs as summarized in Section 12. A detailed cost breakdown is provided in Attachment J. Funding for this project is expected from the 2010 SHOPP - Storm Water Mitigation Program (see Section 14).

See the Cost Estimate (Attachment J) for specific work items included in this project.

Project Limits	07-VEN-101 PM 14.05/21.06
Capital Costs:	\$ 14.9 Million
Right of way Costs:	\$ 0
Funding Source:	201.335
Number of Alternatives:	1
Recommended Alternative (for programming and scheduling):	Build Alternative
Type of Facility (conventional, expressway, freeway):	Freeway
Number of Structures:	None
Anticipated Environmental Determination/Document:	CE
Legal Description	19 LOC AT VEN CNTY RTE 101 TMDL IMPROVEMENTS

3. ENVIRONMENTAL DOCUMENTATION

This project is determined to be categorically exempt under Class 1 of State CEQA guidelines and categorically excluded (CE) under NEPA guidelines. (Attachment E)

Date Approved: December 11, 2008

4. TRAFFIC DATA AND IMPACT

NOT APPLICABLE

Present Year ADT: See Table 4.1

Construction Year ADT	N/A	10-Year ADT	N/A
DHV	N/A	20-Year ADT	N/A
D	N/A	% Trucks	N/A
*T.I. (10-Year)	N/A	ESAL (10-Year)	N/A
*T.I. (20-Year)	N/A	ESAL (20-Year)	N/A

Latest 3-Year Accident Data: (average vs. actual rates)

Location(s) of Accident Concentration:	N/A
Corrective Strategy:	N/A

Table 4.1: Present Traffic Data

Post mile	Description	Back Peak Hour	Back Peak Month	Back AADT	Ahead Peak Hour	Ahead Peak Month	Ahead AADT
13.848	CAMARILLO, JCT. RTE. 34, LEWIS ROAD INTERCHANGE	10700	142000	135000	11100	148000	142000
14.801	CAMARILLO, CARMEN DRIVE INTERCHANGE	11100	148000	142000	11100	147000	141000
15.888	CAMARILLO, LAS POSAS ROAD INTERCHANGE	11100	147000	141000	11600	154000	147000
17.747	CAMARILLO, CENTRAL AVENUE INTERCHANGE	11600	154000	147000	11200	149000	143000
19.172	OXNARD, ALMOND DRIVE INTERCHANGE	11200	149000	143000	10800	144000	138000
20.077	OXNARD, SANTA CLARA/RICE AVENUES INTERCHANGE	10800	144000	138000	10400	137000	131000
21.010	OXNARD, ROSE AVENUE INTERCHANGE	10400	137000	131000	11100	147000	141000
22.006	OXNARD, JCT. RTE. 232, VINEYARD AVENUE	11100	147000	141000	10400	137000	131000

5. ROADWAY GEOMETRIC INFORMATION

	Facility (1)	Minimum	Through Traffic Lanes (2)	Paved Shoulder Width (3)	Median (4)	Shoulder is a Bicycle Lane (Y/N)	Other Bicycle Lane Width (6)	Bicycle Route (7)	Facilities Adjacent to the Roadbed (8)			
	Location	C R	NOT APPLICABLE				Width	Width	(Y/N)	(Code/Widt h)		
Existing	*											
Proposed	**											
	Min. 3R Stds.											

Column "Other Bicycle Lane Width": Width of a bicycle lane that is outside the shoulder and is part of the traveled way.

Code for Column "Facilities Adjacent to the Roadbed":

B: Bicycle Path

P: Pedestrian Walkway

B/P: Shared Bicycle and Pedestrian Path

L: Landscaped area between the curb and sidewalk

* Enter *EXISTING* Post Mile limits (Expand as needed, for varied geometrics.)

** Enter *PROPOSED* Post Mile (Expand as needed, for varied geometrics.)

6. STRUCTURES INFORMATION

Structures	Width Between Curbs		Replace Bridge	Vertical Clearance	Work Identified	Replace Bridge	Replace Bridge Approach Slab				
Name/No.	Exist	3I	NOT APPLICABLE				(Y/N)	(Y/N)	#		

7. BACKGROUND

The Basin Plan, adopted by the Los Angeles Regional Water Quality Control Board (LARWQCB), sets standards for surface waters and groundwater in the Los Angeles Region. The standards identify numeric and narrative objectives necessary to support beneficial uses and the State's Anti-degradation Policy, and are mandated for all water bodies within the state pursuant to the Porter-Cologne Water Quality Control Act.

Section 303(d) of the Federal Clean Water Act (CWA) mandates triennial assessments of the nation's water resources, and these water quality assessments are used to identify and list impaired water bodies. The resulting list is referred to as the 303(d) list. The CWA also requires the State to establish a priority ranking for impaired water bodies and to develop and implement TMDLs, which specifies the maximum amount of a pollutant that a water body can receive and still meet water quality standards, and allocates pollutant loadings to point and non-point sources. The United States Environmental Protection Agency (USEPA) has oversight authority for the 303(d) listing program. The USEPA approves the State's 303(d) lists and each specific TMDL.

The Revolon Slough has been identified on the 303(d) List as being impaired due to trash since 1998. The Trash TMDL for Beardsley Wash and Revolon Slough was adopted by LARWQCB on June 7, 2007 and subsequently became effective on March 6, 2008 when approved by the USEPA. The Trash TMDL requires to reduce amount of trash in the storm water discharges to zero (0) in eight (8) years. One of the options for the Responsible Agencies is to place full trash capture devices at the drainage outfalls. GSRDs and several other Caltrans storm water treatment BMPs meet the definitions of full trash capture devices as set forth in the Trash TMDL.

An inventory of the District's storm drain outfalls and discharge points in the Ventura County was completed in 2002. Based on the inventory database, 34 outfalls and discharge points, with a total of 250 acres of tributary drainage area discharge into the Beardsley Wash/Revolon Slough Watershed. Of these locations, a total of 35 outfalls/discharge points (34 from the inventory database and 1 extra discharge point found from field investigations) lie within the Project Implementation zone along Route 101.

It is anticipated that construction of the Treatment BMPs at certain outfall/discharge point locations could have impacts on existing traffic, underground utilities, and may have environmental issues. Full-scale investigations to determine such impacts at all locations would not be possible at this time due to time constraints. Therefore, potential costs have been captured using a worst-case construction scenario whereby all major risks to construct at such locations have been included in the location's estimates. Selected outfall locations include more than the required 10% of the total watershed drainage area, anticipating that some of the recommended locations could be deleted due to unforeseen issues.

8. NEED AND PROJECT PROPOSAL

The purpose of this project is primarily to attain water quality standards for trash in the Beardsley Wash/Revolon Slough watershed in a progressive manner. It also seeks to address the requirements of other TMDLs by implementing the proposed Treatment BMPs. A list of concerned pollutants that can be treated by the proposed Treatment BMPs is provided in Table 8.1.

There are two suggested types of permanent structural devices such as the “end-of-pipe full trash capture devices” and the “partial trash capture devices”, for removing trash from the storm drain systems. According to the Trash TMDL, a full capture device is defined as “Any device that traps all particles retained by a 5 mm mesh screen and has a design treatment capacity of not less than the peak flow during a one-year storm (determined to be 0.6 inch per hour for the Los Angeles River watershed).” The devices that do not meet the definition for a full capture device will be considered as partial capture devices. Other compliance methods like street sweeping and institutional controls including public education and law enforcement are also recommended.

It is recommended that full trash capture devices be implemented at the locations identified. The work includes design and construction of trash capture devices at or adjacent to storm drain outfalls or discharge points before storm water leaves Caltrans right-of-way.

Table 8.1: Applicable Treatment BMPs and Targeted Pollutants of Concern¹

Pollutants	Treatment BMPs			
	Gross Solids Removal Devices (GSRD)	Biofiltration Systems	Media Filters	Infiltration Devices
Total Suspended Solids		✓	✓	✓
Nutrients			✓ ²	✓
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.

Construction for this project is expected to begin in February 2014 and end in December 2014. The scope of this project includes design and construction of Treatment BMPs at, or adjacent to outfall or discharge point locations within Caltrans right-of-way. The Treatment BMPs considered for implementation are GSRDs, such as Inclined Screen and Linear Radial type devices. Other devices considered for this project are Media Filters, Infiltration Basins, Bio-Swales/Strips and Extended detention Basins.

A total of 35 outfalls/discharge points are located within the limits of this project. Upon detailed analysis and field review of these 35 sites, a total of 19 locations at 22 discharge points are found to be feasible, and recommended for the construction of Treatment BMPs (see Table-8.2 and Attachment C1). The remaining 13 locations are found not suitable for installation of such devices for various reasons as indicated in the GSRD and other Treatment BMP Recommendations Table (Also refer to Attachment C1). These locations are also identified on the Project Plans (see Attachment B). The estimated total cost for this project is \$14.9 million in 2009 dollars.

Table - 8.2: Recommended Treatment BMPs for Project Implementation

<i>Type of Treatment BMP</i>	<i>Total</i>
<i>GSRD</i>	<i>15</i>
<i>Media Filter</i>	<i>3</i>
<i>Infiltration Basin</i>	<i>1</i>
<i>Bio-Swale/Strip</i>	<i>0</i>

9. ENVIRONMENTAL STATUS

No environmental issues have been identified in this project, and it is determined to be categorically exempt under Class 1 of State CEQA guidelines and categorically excluded (CE) under NEPA guidelines (Attachment E). The CE certification was given on December 11, 2008.

10. OTHER AGENCIES INVOLVED

(Permits/Approvals from Fish & Game, Corps of Engineers, Coastal Commission, etc.):

The LARWQCB will enforce and monitor the implementation of the various TMDLs. No other agency's involvement is expected in this implementation phase.

11. OTHER CONSIDERATIONS

A. Hazardous Waste disposal site required

According to a Hazardous Waste Assessment (memo dated November 18, 2008) by the District's Hazardous Waste Unit, aerially deposited lead (ADL) contamination may exist at unpaved areas in some locations where Treatment BMPs will be installed. A Site Investigation (SI) will need to be conducted at the PS&E phase. It is recommended that all excavated soils from these sites be disposed and hauled to designated Class 1 waste facilities only. A Lump Sum of \$357,600 for possible handling and disposal of lead contaminated soils and other hazardous materials has been included in the total project costs as indicated in Section 12 and Attachment F.

B. Materials and or disposal site needs and availability? NONE

C. Storm Water:

A Long Form Storm Water Data Report was prepared in accordance to the Storm Water Quality Handbook-PPDG, May 2007 and was approved on DATE by the District NPDES and TMDL Coordinators. (Attachment I)

D. Traffic Management Plan (TMP):

A TMP Data Sheet and Cost Estimate were approved on November 13, 2008 (Attachment H) and a Construction Zone Enhanced Enforcement Program (COZEEP) was considered in the TMP. The need for lane closures, detours, and traffic control should be minimal, since most of the work areas will be off the traveled way.

E. Effects on Bicycle Traffic: None

F. Utility Involvement - ITS:

According to the Office of ITS (Intelligent Transportation Systems), no conflict with fiber optic communication equipment is anticipated.

Utility Involvement - Other: None

G. Railroad Involvement: None

G. Right-of-Way:

Possible right-of-way (R/W) involvement was considered, and no new R/W is required for this project. All work is within the existing R/W (Attachment G).

I. Consistency with Other Planning:

This project is consistent with the following projects based on a search of the Project Management Database of all active projects.

EA	Route	Post Mile	PAED	RTL	CCA
234204	101	22.0-23.7	06/2001	03/2007	06/2012
003431	101	19.4/20.6	03/2002	03/2009	11/2011
249800	101	11.7/12.2	05/2009	04/2010	04/2012
191601	101	9.9/10.6	03/2000	03/2007	09/2011

J. Salvaging and recycling of hardware and other non-renewable resources: N/A

K. Prolonged temporary ramp closures: None

L. What are the consequences of not doing this entire project?

Not implementing this project would be considered non-compliant by the LARWQCB. It would certainly invoke enforcement action by the LARWQCB. Consequently, implementation of the program would remain a legal requirement. The cost and resources needed for implementation would likely be much higher due to an accelerated schedule if a "No Project" alternative were to be chosen.

12. COST ESTIMATE BREAKDOWN

STRAIN and other Structural Work (by Structure)	Yes/No	Cost (\$)
(A) Replace	No	0
(B) Rehab	No	0
(C) Scour Correction	No	0
(D) Painting	No	0
(E) Widening	No	0
(F) Rail Replacement (without widening)	No	0
(G) Strengthen	No	0
(H) Seismic Retrofit	No	0
(I) Vertical Clearance Adjustment	No	0
(J) Drainage Rehab	No	0
STRUCTURE COSTS SUBTOTAL:		0
District Work	Yes/No	Cost (\$)
(A) Traffic Control Systems	Yes	100,000
(B) Pavement (include remove and replace)	No	0
(C) Earthwork	Yes	1,178,380
(D) Bridge Approach Guardrail	No	0
(E) Drainage Facilities (GSRDs, Media Filters, Infiltration Devices and Drainage Modification)	Yes	7,470,000
(F) Utility Relocation	No	0
(G) Misc. Specialty Items	Yes	601,600
(H) Right-of-Way	No	0
(I) Environmental Mitigation	No	50,000
(J) Hazardous Waste Mitigation	Yes	357,626
(K) Transportation Management Plan	Yes	34,000
(L) SWPPP Preparation, DPP and WPC	Yes	260,000
(M) Construction Site Management	Yes	144,000
(N) Other Traffic Items	Yes	105,250
DISTRICT COSTS SUBTOTAL:		14,871,860
		<u>CALL \$14,900,000</u>

13. PROJECT REVIEWS

Scoping Team Field Review	M. Malouf, T. Tran & A. Hajipour	Date:	Aug. 12, 2008, Sept. 3, 2008, Sept. 9, 2008
Scoping Team Field Review	M. Malouf, T. Tran, A. Hajipour, M. Ortiz (Field Maintenance)	Date:	Sept. 3, 2008
Project Reviewed by: District Maintenance		Date:	
HQ Division of Design		Date:	
HQ Program Advisor	Jagiwan Grewal	Date:	Jan. 6, 2009
FHWA	Not Applicable	Date:	---
Others	Not Applicable	Date:	---

Quality Review	Team	Date:	Jan. 7, 2009
District Storm Water Mitigation Program Advisor	Jai Paul Thakur	Date:	Jan. 7, 2009
District TMDL Coordinator	Robert Wu	Date:	
Office of Maintenance Support	Hector Obeso	Date:	Jan. 7, 2009
HQ DLPP	Not Applicable	Date:	---
FHWA	Not Applicable	Date:	---
Type of Federal involvement	None	Date:	---
Others	None	Date:	---

14. PROPOSED FUNDING

This project will be submitted in the 2010 State Highway Operation Protection Program and will be funded from the SHOPP 201.335. The proposed program year is 2010/2011. The cost for the project as of February 2009 is \$14.9 million. The cost of the project in the proposed program year (2011/2012) is \$17,248,613. The escalation factor used is 5% per year.

15. PROJECT SUPPORT

Proposed Program FY	District (\$1000)			Engineering Service Center PYs					FY Total (\$1,000)	Other Costs (\$1000)
				METS and Others		Structures		Office		
	Design	R/W	Constr.	Design	Constr.	Design	Constr.	Engr.		
	1,610	178.8	2,682						4,470.8	
TOTAL ESTIMATED PROJECT PYs AND OTHER SUPPORT COSTS:										

16. PROJECT SCHEDULE

The following milestone completion dates are anticipated:

Milestone	Date
PS&E	07/13
R/W Certification	12/13
Ready to List	12/13
Advertising	12/13
Construction Start	02/14
Complete Construction	12/14
Working Days	200
Final Cost of the Project	\$14.9 M

17. REMARKS

This project is expected to eliminate trash discharges into the Beardsley Wash/Revolon Slough Watershed area from the VEN-101. This will also enhance water quality in the Calleguas Creek watershed and will fulfill LARWQCB requirements. Therefore, it is recommended that this project be funded.

18. ATTACHMENTS

- A. Project Location Map**
- B. Outfall Location Plan**
- C. Outfall Data Lists:**
 - C1: Preliminary Treatment BMP Recommendations
 - C2: Corridors Outfall Database.
- D. Work Plan**
- E. Categorical Exemption/Exclusion Form**
- F. Hazardous Waste Initial Site Assessment**
- G. Right-of-Way Data Sheet**
- H. TMP Data Sheet**
- I. Storm Water Data Sheet Report Cover Page**
- J. Project Cost Estimate**
- K. Performance Indicator**

19. REFERENCE:

- 1- Storm Water Data Report**

ATTACHMENT A

PROJECT LOCATION MAP

SANTA
BARBARA
COUNTY

OJAI

VENTURA
COUNTY

FILLMORE

**PROJECT
LOCATION**

192

150

150

126

28

101

33

1

Woodpark

PACIFIC OCEAN

RTE

118

Comerio

18

OXNARD

252

101

34

RTE

34

34

Hollywood
By-The-Sea

Port Huene

Silver Strand



**07-VEN-101 PM14.05 / 21.06
LOCATION MAP**

NO SCALE

ATTACHMENT B

OUTFALL LOCATION PLAN

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	VEN	101	14.05 / 21.06		

LEGEND:

RECOMMENDED TREATMENT:

- GROSS SOLID REMOVAL DEVICE
- DELAWARE SAND FILTER
- INFILTRATION BASIN

REGISTERED CIVIL ENGINEER

PLANS APPROVAL DATE

NO. _____

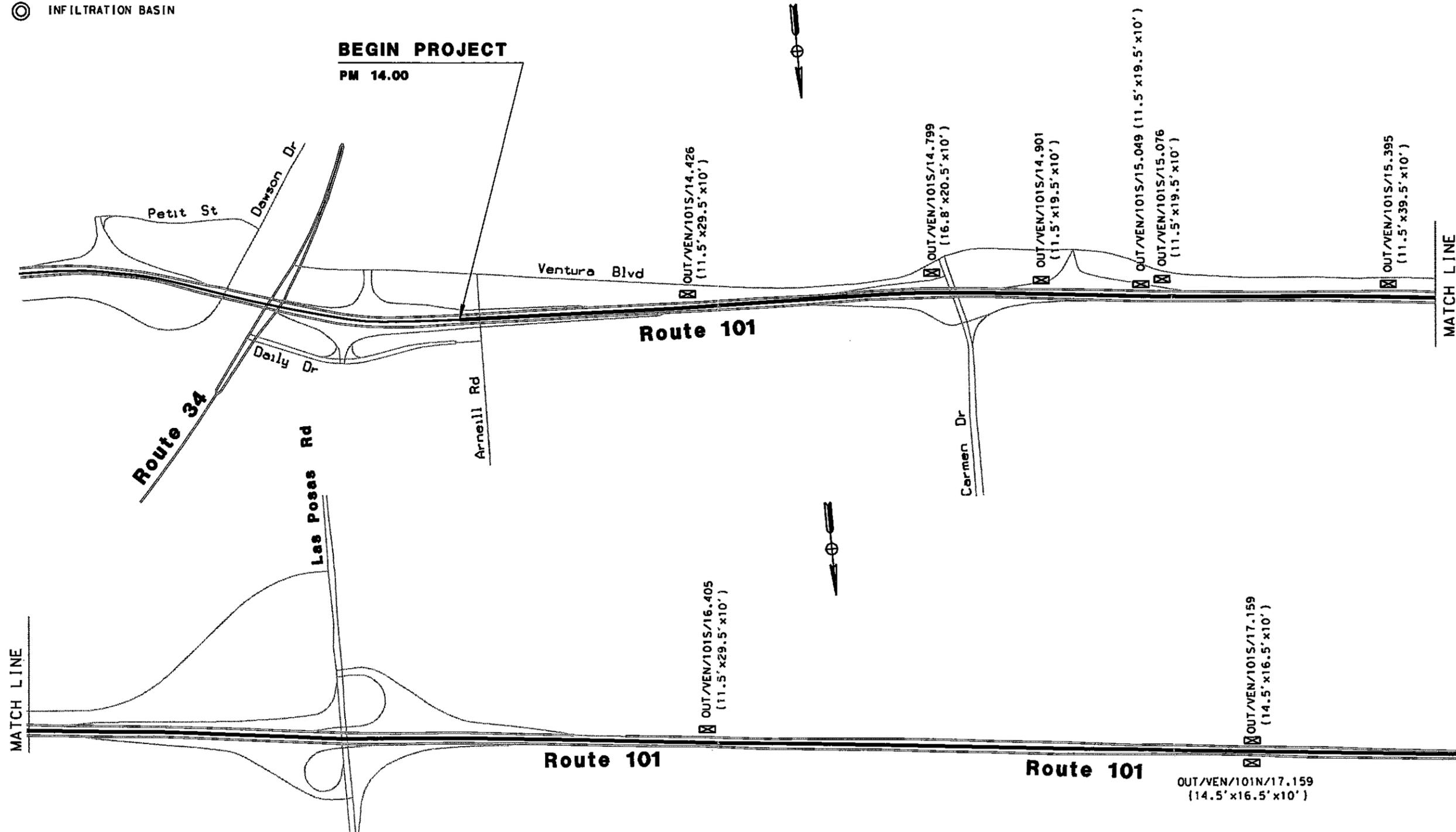
Exp. _____

CIVIL

STATE OF CALIFORNIA

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

BEGIN PROJECT
PM 14.00



NOTE: THESE LOCATIONS ARE APPROXIMATE ONLY.
DIMENSION IN W x L x D (ft)

OUTFALL LOCATION PLAN

NO SCALE

L-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	PROJECT ENGINEER	DATE	REVISOR
California	ABDOL HAJIPOUR		
PLANNING		CHECKED BY	DATE REVISED

ATTACHMENT C

OUTFALL DATA LISTS

Project: Trash TMDL Implementation Project

2/24/2009 10:01 AM

Location: Route 101 PM 14.05 / 21.06

Callegus Creek Watershed In the County of Ventura

Prepared By: Office of Project and Special Studies

OUTFALL NO.	FWY ID			PRELIMINARY TREATMENT BMP RECOMMENDATIONS (Per Field and As-built Review)						
	OUTFALL ID.	PM	N-S Dir.	80% - 100 % WGV (3,476 - 4,345 ft ³)	Drainage Area	Drainage Area	Recommended	Type	Screened Out	Comments (See Notes)
				ft ³	acres	HA				
Route - 101										
1	101-111	14.426	S	0	2.66	1.08	✓	GSRD		2, 4
2	101-116	14.799	S	0	5.06	2.05	✓	GSRD-INCL.		2, 4
3	101-115	14.855	S	0	21.43	8.67			✓	1
4	101-901*	14.901	S	0	1.38	0.56	✓	GSRD		2, 4
5	101-114	14.965	S	0	21.43	8.67			✓	1
6	101-112	15.049	S	0	1.00	0.40	✓	GSRD		2, 4
7	101-113	15.076	S	0	1.18	0.48	✓	GSRD		2, 4
8	101-121	15.395	S	0	4.70	1.90	✓	GSRD		2, 4
9	101-117	15.941	N	0	7.41	3.00			✓	Included in EA: 191601
10	101-120	16.105	S	0	2.23	0.90			✓	Included in EA: 191601
11	101-119	16.206	S	0	1.37	0.55			✓	Included in EA: 191601
12	101-118	16.405	S	0	2.70	1.09	✓	GSRD		2, 4
13	101-124	17.159	S	0	6.51	2.63	✓	GSRD		2, 4
14	101-124	17.159	N	0	6.51	2.63	✓	GSRD		2, 4
15	101-123	17.383	S	0	6.72	2.72			✓	1
16	101-122	17.650	S	0	2.98	1.20			✓	1
17	101-125	17.792	S	0	2.91	1.18	✓	DSF		
18	101-126	17.794	N	0	2.92	1.18	✓	DSF		
19	101-130	18.881	S	0	1.21	0.49	✓	GSRD		2, 3, 4
20	101-128	18.963	S	0	1.11	0.45	✓	GSRD		2, 3, 4
21	101-127	19.126	N	0	5.11	2.07			✓	1
22	101-129	19.126	S	0	5.11	2.07			✓	1
23	101-132	19.193	S	0	16.81	6.80			✓	Included in EA: 249800
24	101-133	19.193	N	0	3.12	1.26			✓	Included in EA: 249800
25	101-131	19.204	S	0	16.81	6.80			✓	1
26	101-134	19.540	N	0	4.71	1.91	✓	GSRD		2, 4
27	101-139	20.066	S	0	3.57	1.44			✓	Included in EA: 003431
28	101-140	20.083	S	0	3.63	1.47			✓	Included in EA: 003431
29	101-146	20.581	S	0	3.38	1.37	✓	GSRD		2, 4
30	101-145	20.685	S	0	4.09	1.66	✓	GSRD		2, 4
31	101-144	20.804	S	0	1.62	0.66	✓	GSRD		2, 4
32	101-141	20.922	N	0	0.80	0.32	✓	DSF		2, 4
33	101-143	20.942	S	0	0.94	0.38	✓			2, 4
34	101-149	20.997	N	0	1.62	0.66	✓	Infil. Basin		
35	101-148	21.010	N	0	1.62	0.66	✓			
							US-101 N	US-101 S	Total	
	GSRD (Linear)						2	12	14	Project Outfalls Considered: 35 Total Recommended BMPs: 19 Total Outfalls treated: 22 Total Outfalls not treated: 13 (* The number of recommended BMPs differs from the number of outfalls treated because some outfalls have been combined.)
	GSRD (Inclined)						0	1	1	
	Media Filter (Austin, ASF)						0	0	0	
	Media Filter (Delaware)						1	2	3	
	Bioswale						0	0	0	
	Biostrip						0	0	0	
	Infiltration Basin						1	0	1	
	Detention Basin						0	0	0	
	Total Recommended BMPs						4	15	19	

Notes:

* Post Mile, PM is approximated

- Proposed BMP does not work with culvert, ditch, open channel, overside drain, non-circular outlet, pump station, inlet.
- Proposed BMP utilized due to Right of Way constraints, other BMP devices do not qualify
- Soil type does not qualify
- Actual drainage area exceeds standard capacity of biofiltration strip

Revolon Slough
SR-101

OUTFALL ID	PM	DIRECTION	CROSS_ST	CITY NAME	OF_TYPE	OF_SIZE	COMMENTS	SOIL TYPE	SMTYPE	RWBODY	DRAIN_AREA (m2)	DRAIN_AREA (acre)	HYDRO_AREA
1	101-111	S	Near Cedar Dr.	Camarillo	CMP	18	FES	B	Concrete - 100%	Calleguas Creek	11558.320	2.86	408.12
2	101-112	S		Camarillo	RCP	24	FES	B	Concrete - 100%	Calleguas Creek	86732.800	21.43	408.12
3	101-113	S		Camarillo	Other	Other	Dual 2'x3' RCB	B	Concrete - 100%	Calleguas Creek	86732.800	21.43	408.12
4	101-114	S		Camarillo	RCP	24	Dual RCP	B	Concrete - 100%	Calleguas Creek	86732.800	21.43	408.12
5	101-115	S		Camarillo	RCP	Other	Dual RCP, 1-18", 1-36"	B	Concrete - 100%	Calleguas Creek	86732.000	21.43	408.12
6	101-116	S	Carmen Dr.	Camarillo	CMP	18	FES	B	Concrete - 100%	Calleguas Creek	86732.800	21.43	408.12
7	101-117	N	Las Posas Rd	Camarillo	CMP	36	FES, cross culvert	B	Concrete - 100%	Calleguas Creek	77728.590	19.21	408.12
8	101-118	S	near Las Posas Rd	Camarillo	CMP	18	FES	B	Concrete - 100%	Calleguas Creek	12148.530	3.00	408.12
9	101-119	S	near Las Posas Rd	Camarillo	CMP	18	FES	B	Concrete - 100%	Calleguas Creek	12543.540	3.10	408.12
10	101-120	S		Camarillo	RCB	Other	4'x2' RCB	B	Concrete - 100%	Calleguas Creek	30082.370	7.43	408.12
11	101-121	S		Camarillo	CMP	18	FES	B	Concrete - 100%	Calleguas Creek	30678.890	7.58	408.12
12	101-122	S	Near Central Ave	Camarillo	RCB	Other	3'x2' RCB cross culvert	D	Concrete - 100%	Calleguas Creek	12045.780	2.98	408.12
13	101-123	S		Camarillo	RCB	Other	5'x3' RCB cross culvert	D	Concrete - 100%	Calleguas Creek	27197.130	6.72	408.12
14	101-124	S		Camarillo	RCB	Other	2'x3' RCB cross culvert	D	Concrete - 100%	Calleguas Creek	11393.690	2.82	408.12
15	101-125	S	Central Ave	Camarillo	CMP	24	FES Cross Culvert	D	Concrete - 100%	Calleguas Creek	9399.543	2.32	408.12
16	101-126	S	Central Ave	Camarillo	CMP	24	FES Cross Culvert	D	Concrete - 100%	Calleguas Creek	7182.281	1.77	408.12
17	101-127	N		Oxnard	RCB	Other	Dual 8'x3' RCB	C	Concrete - 100%	Calleguas Creek	20661.340	5.11	408.12
18	101-128	S		Oxnard	RCB	Other	Dual 8'x3' RCB	C	Concrete - 100%	Calleguas Creek	11946.320	2.95	408.12
19	101-129	S		Oxnard	RCB	Other	Dual 8'x3' RCB	C	Concrete - 100%	Calleguas Creek	20661.340	5.11	408.12
20	101-130	S		Camarillo	CMP	24	FES	C	Concrete - 100%	Calleguas Creek	10699.590	2.64	408.12
21	101-131	S		Oxnard	RCB	Other	Dual 8'x3' RCB, earthen ditch	C	Concrete - 100%	Calleguas Creek	68044.910	16.81	408.12
22	101-132	S		Oxnard	RCB	Other	Dual 8'x3' RCB	C	Concrete - 100%	Calleguas Creek	68044.910	16.81	408.12
23	101-133	N		Oxnard	RCB	Other	Dual 8'x3' RCB	C	Concrete - 100%	Calleguas Creek	68044.910	16.81	408.12
24	101-134	N		Oxnard	RCB	Other	Dual 8'x3' RCB	C	Concrete - 100%	Calleguas Creek	68044.910	16.81	408.12
25	101-139	S		Oxnard	RCB	Other	4'x2' RCB	C	Concrete - 100%	Calleguas Creek	49287.160	12.18	408.12
26	101-140	S	Rice Ave	Oxnard	CMP	18	FES, no discharge	C	Concrete - 100%	Calleguas Creek	3847.727	0.95	408.12
27	101-141	N	Rose Ave	Oxnard	CMP	18	FES	C	Concrete - 100%	Calleguas Creek	4622.938	1.14	408.12
28	101-143	S	Rose Ave	Oxnard	CMP	18	8'x2' RCB Cross Culvert	C	Concrete - 100%	Calleguas Creek	14474.800	3.58	408.12
29	101-144	N	near Rose Ave	Oxnard	CMP	24	FES	C	Concrete - 100%	Calleguas Creek	9682.777	2.39	408.12
30	101-145	S	near Rose Ave	Oxnard	PVC	24	FES	C	Concrete - 100%	Calleguas Creek	3333.453	0.82	408.12
31	101-146	S		Oxnard	RCB	Other	Cross Culvert	C	Concrete - 100%	Calleguas Creek	14175.430	3.50	408.12
32	101-148	S	Rose Ave	Oxnard	CMP	18	FES, has concrete channel	B	Concrete - 100%	Calleguas Creek	2329.250	0.58	408.12
33	101-149	N	Rose Ave	Oxnard	CMP	18		B	Concrete - 100%	Calleguas Creek	14474.800	3.58	408.12
34	101-901*	S	Carmen Dr.	Camarillo	CMP	18	Found in Field Trip	B	Concrete - 100%	Calleguas Creek	6867.383	1.70	408.12

ATTACHMENT D

WORK PLAN

WBS Code	Activity Description	% Comp	Orig Dur	Rem Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float
0.100	PROJ MGMT	0	1,702*	1,595*	07/01/08A	03/05/15	07/01/08A	03/05/15	0
0.100.05	PROJ MGMT - PID CMPNT	100	1*	0*	07/01/08A	07/01/08A	07/01/08A	07/01/08A	
0.100.10	PROJ MGMT - PA&ED CMPNT	0	319*	213*	07/02/08A	09/30/09	07/02/08A	09/30/09	0
0.100.15	PROJ MGMT - PS&E CMPNT	0	1,102*	1,102*	10/01/09	01/28/14	04/18/13	01/28/14	0
0.100.20	PROJ MGMT - CONST CMPNT	0	260*	260*	02/27/14	03/05/15	02/27/14	03/05/15	0
0.100.25	PROJ MGMT - R/W CMPNT	0	1,142*	1,142*	10/01/09	03/26/14	04/18/13	03/05/15	240
1.150	DEVELOP PID	100	1	0	07/01/08A	07/01/08A	07/01/08A	07/01/08A	
2.160	PERF PREL ENGRG STUDIES &	0	196*	90*	07/02/08A	04/09/09	07/02/08A	08/25/09	97
2.160.05	UPDD PROJ INFO	0	40	40	07/02/08A	01/27/09	07/02/08A	06/29/09	107
2.160.10	ENGRG STUDIES	0	80	80	07/02/08A	03/25/09	07/02/08A	08/11/09	97
2.160.15	DRAFT PR	0	50	50	07/02/08A	04/09/09	07/02/08A	08/25/09	97
2.160.20	ENGRG & LAND NET SRVYS	0	75	75	07/02/08A	03/18/09	07/02/08A	08/25/09	112
2.160.30	ESR	0	1	1	07/02/08A	12/01/08	07/02/08A	08/25/09	186
2.160.40	NEPA DLGN	0	1	1	07/02/08A	12/01/08	07/02/08A	08/25/09	186
2.165	PERF ENV STUDIES & PREP	0	186*	80*	07/02/08A	03/25/09	07/02/08A	06/01/09	47
2.165.05	ENV SCPPG OF ALTS IFS IN PID	0	20	20	07/02/08A	12/29/08	07/02/08A	03/06/09	47
2.165.10	GENL ENV STUDIES	0	20	20	07/02/08A	12/29/08	07/02/08A	03/06/09	47
2.165.15	BIOL STUDIES	0	20	20	07/02/08A	12/29/08	07/02/08A	03/06/09	47
2.165.20	CLTRL RSRC STUDIES	0	20	20	07/02/08A	12/29/08	07/02/08A	03/06/09	47
2.165.25	DED	0	80	80	07/02/08A	03/25/09	07/02/08A	06/01/09	47
2.165.30	NEPA DLGN	0	1	1	07/02/08A	12/01/08	07/02/08A	03/06/09	66
2.175	CIRC DED & SLT PRFD PROJ	0	60*	60*	03/26/09	06/18/09	06/02/09	08/25/09	47
2.175.05	DED CIRC	0	54	54	03/26/09	06/10/09	06/02/09	08/17/09	47
2.175.10	PUB HRG	0	54	54	03/26/09	06/10/09	06/02/09	08/17/09	47
2.175.15	PUB CMNT RESPS & CRNC	0	24	24	03/26/09	04/29/09	07/15/09	08/17/09	77
2.175.20	PROJ PRFD ALT	0	6	6	06/11/09	06/18/09	08/18/09	08/25/09	47
2.180	PREP & APV PR & FED	0	26*	26*	06/19/09	07/27/09	08/26/09	09/30/09	47
2.180.05	FPR	0	10	10	06/19/09	07/02/09	08/26/09	09/08/09	47
2.180.10	FED	0	10	10	06/19/09	07/02/09	08/26/09	09/08/09	47
2.180.15	CMPLTD ENV DOC	0	16	16	07/06/09	07/27/09	09/09/09	09/30/09	47
3.185	BASE MAPS & PLAN SHEETS	0	11*	11*	10/01/09	10/15/09	04/18/13	06/05/13	926
3.185.05	UPDD PROJ INFO	0	5	5	10/01/09	10/07/09	04/18/13	04/24/13	902
3.185.10	SRVYS & PHTGR MPG FOR	0	30	30	10/01/09	11/12/09	04/25/13	06/05/13	907
3.185.15	PREL DSN	0	30	30	10/08/09	11/19/09	04/25/13	06/05/13	902
3.185.20	ENGRG RPTS	0	30	30	10/08/09	11/19/09	04/25/13	06/05/13	902
3.185.25	R/W RQMTS DTRMTN	0	6	6	10/08/09	10/15/09	05/29/13	08/05/13	926
3.185.30	STRUC SITE PLANS	0	1	1	07/06/09	07/06/09	12/12/13	12/12/13	1,133
4.195	R/W PROP MGMT & EXCS	0	1	1	11/23/09	11/23/09	03/05/15	03/05/15	1,345
4.200	UTIL RELOCN	0	1	1	11/23/09	11/23/09	03/05/15	03/05/15	1,345
2.205	PMTS AGRES & RAS DURING	0	20	20	12/01/08	12/29/08	06/27/13	07/25/13	1,165
4.220	PERF R/W ENGRG	0	1	1	11/20/09	11/20/09	12/12/13	12/12/13	1,035
4.225	OBN R/W INTST FOR PROJ R/W	0	1	1	11/23/09	11/23/09	12/13/13	12/13/13	1,035
3.230	PREP DRAFT PS&E	0	25	25	11/20/09	12/24/09	06/06/13	07/11/13	902
3.235	MIT ENV IMPTS & CLEAN UP	0	20	20	11/20/09	12/17/09	06/27/13	07/25/13	917
3.240	DRAFT STRUCS PS&E	0	1	1	11/20/09	11/20/09	07/11/13	07/11/13	926
4.245	POST R/W CERTN WRK	0	20	20	11/24/09	12/21/09	02/05/15	03/05/15	1,325
3.250	PREP FNL STRUCS PS&E	0	1	1	11/23/09	11/23/09	07/25/13	07/25/13	935
3.255	CIRC RVW & PREP FNL DIST	0	10	10	12/28/09	01/11/10	07/12/13	07/25/13	902
3.260	CONTR BID DOCS RTL	0	110	110	01/12/10	06/16/10	07/26/13	12/30/13	902
3.265	AWDD & APVD CONST CONTR	0	20	20	12/31/13	01/28/14	12/31/13	01/28/14	0
5.270	CE & GCA	0	200*	200*	02/27/14	12/08/14	02/27/14	12/08/14	0

Start Date 01/01/80
Finish Date 03/05/15
Data Date 12/01/08
Run Date 12/03/08 06:56

NEW1 - VF00

Sheet 1 of 2

PM: AJAS SHETH

Caltrans District 7

Dynamic Workplan Model

Classic Schedule Layout

EA# 27600

WBS Code	Activity Description	% Comp	Orig Dur	Rem Dur	Early Start	Early Finish	Late Start	Late Finish	Total Float
5.270.10	CONST STAKING PCKG & CTRL	0	184	184	02/27/14	11/14/14	02/27/14	11/14/14	0
5.270.15	CONST STAKES	0	164	164	03/27/14	11/14/14	03/27/14	11/14/14	0
5.270.20	CE WRK	0	184	184	02/27/14	11/14/14	02/27/14	11/14/14	0
5.270.25	CONST CONTR ADMIN WRK	0	184	184	02/27/14	11/14/14	02/27/14	11/14/14	0
5.270.30	CONTR ITEM WRK INSPN	0	184	184	02/27/14	11/14/14	02/27/14	11/14/14	0
5.270.35	CONST MTL S&T	0	184	184	02/27/14	11/14/14	02/27/14	11/14/14	0
5.270.40	SAFETY & MTCE RVWS	0	10	10	11/17/14	11/28/14	11/17/14	11/28/14	0
5.270.45	RLF FROM MTCE PROCESS	0	1	1	12/01/14	12/01/14	12/01/14	12/01/14	0
5.270.55	FNL INSPN & ACPTC RCMDN	0	5	5	12/02/14	12/08/14	12/02/14	12/08/14	0
5.270.60	PLANT ESTABLISHMENT	0	80	80	08/18/14	12/08/14	08/18/14	12/08/14	0
5.270.65	TMP IMPLN DURING CONST	0	184	184	02/27/14	11/14/14	02/27/14	11/14/14	0
5.270.70	UPDD ECR	0	200	200	02/27/14	12/08/14	02/27/14	12/08/14	0
5.270.75	RSRC AGENCY PMT RNWL &	0	200	200	02/27/14	12/08/14	02/27/14	12/08/14	0
5.270.80	L-TRM ENV MITIGN/MNTG	0	40	40	02/27/14	04/24/14	10/13/14	12/08/14	160
5.275	CE & GCA OF STRUCS WRK	0	200	200	12/01/08	09/11/09	05/23/14	03/05/15	1,395
5.285	CCO ADMIN	0	260*	260*	02/27/14	03/05/15	02/27/14	03/05/15	0
5.290	RSLV CONTR CLAIMS	0	260*	260*	02/27/14	03/05/15	02/27/14	03/05/15	0
5.295	ACPT CONTR PREP FE & FR	0	60	60	12/09/14	03/05/15	12/09/14	03/05/15	0
4.300	PERF FNL RW ENGRG ACTS	0	20	20	02/27/14	03/26/14	02/05/15	03/05/15	240
M000	ID NEED	100	0	0		07/01/08A		07/01/08A	
M010	APPROVE PID	100	0	0		07/01/08A		07/01/08A	
M015	PROG PROJ	100	0	0		07/01/08A		07/01/08A	
M020	BEGIN ENVIRO	100	0	0		07/01/08A		07/01/08A	
M040	BEGIN PROJ	100	0	0		07/01/08A		07/01/08A	
M060	CIRC DPR & DED	0	0	0		03/25/09		06/01/09	47
M100	APPROVE DPR	0	0	0		11/28/08		03/05/15	1,595
M160	APPROVE FED	0	0	0		06/18/09		08/25/09	47
M200	PA&ED	0	0	0		09/30/09*		09/30/09*	0
M221	BRIDGE SITE DATA ACCEPTED	0	0	0		07/06/09		12/12/13	1,133
M222	BEGIN BRIDGE	0	0	0		07/06/09		12/12/13	1,133
M224	R/W MAPS	0	0	0		11/19/09		12/11/13	1,035
M225	REGULAR R/W	0	0	0		11/20/09		12/12/13	1,035
M275	GENERAL PLANS	0	0	0		11/28/08		07/10/13	1,174
M300	CIRC PLANS IN DIST	0	0	0		12/24/09		07/11/13	902
M318	DESIGN SAFETY REVIEW	0	0	0		12/24/09		07/11/13	902
M328	CONSTRUCTABILITY REVIEW	0	0	0		12/24/09		07/11/13	902
M377	PS&E TO DOE	0	0	0		12/24/09		07/11/13	902
M378	DRAFT STRUC PS&E	0	0	0		11/20/09		07/11/13	926
M380	PROJ PS&E	0	0	0		01/11/10		07/25/13	902
M410	R/W CERT	0	0	0		11/23/09		12/13/13	1,035
M460	RTL	0	0	0		12/30/13*		12/30/13*	0
M480	HQ ADVERT	0	0	0		12/30/13		12/30/13	0
M495	AWARD	0	0	0		02/11/14		02/11/14	0
M500	APPROVE CONTRACT	0	0	0		02/26/14		02/26/14	0
M588	FINAL SAFETY REVIEW	0	0	0		11/28/08		12/08/14	1,535
M600	CONTRACT ACCEPT	0	0	0		12/08/14		12/08/14	0
M700	FINAL REPORT	0	0	0		03/05/15		03/05/15	0
M800	END PROJ	0	0	0		03/05/15		03/05/15	0

ATTACHMENT E

CATEGORICAL EXEMPTION/ EXCLUSION

FORM

CATEGORICAL EXEMPTION/ CATEGORICAL EXCLUSION DETERMINATION FORM

07-VEN-101 14.05/21.06 27600K CE# 200811015
 Dist.-Co.-Rte. (or Local Agency) P.M/P.M. E.A. (State project) Federal-Aid Project No. (Local project)/ Proj. No.

PROJECT DESCRIPTION:

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

The proposed project is located along US-101 within the above limits. The scope of the proposed project includes the design and construction of 24 treatment BMPs (i.e. Gross Solid Removal Devices, Infiltration Basins, Media Filters, etc.) at or adjacent to outfall locations within Caltrans right-of-way as a part of the implementation of Trash Total Maximum Daily Load Projects.

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 ("Corlese List").
- This project does not cause a substantial adverse change in the significance of a historical resource.

CALTRANS CEQA DETERMINATION

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** (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])]

Print Name: Environmental Branch Chief <u>Carlos Montez</u> Signature	Print Name: Project Manager/DLA Engineer <u>Ojas Sheth</u> Signature
Date <u>12/6/08</u>	Date <u>12/11/08</u>

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

- 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.

Print Name: Environmental Branch Chief <u>Carlos Montez</u> Signature	Print Name: Project Manager/DLA Engineer <u>Ojas Sheth</u> Signature
Date <u>12/6/08</u>	Date <u>12/11/08</u>

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

1. The following **Biological guidelines** will be followed at the project site:

- All appropriate storm water and erosion Best Management Practices (BMPs) will be incorporated into the project specifications. All pollution, litter laws and regulations will be followed by the contractor and state employees. If this project scope should change for any reason, the project biologist will be notified to determine whether the current environmental documentation is adequate. The project biologist will be provided with the project specifications and expenditures review package for review and comment.
- Removal of vegetation in the channel should be scheduled outside the bird nesting season (between February 15 and September 1). If removal of vegetation must occur during the nesting season, the District Biologist will be notified two weeks prior to removal to determine if birds are nesting. Surveys will need to be conducted by a District Biologist to confirm presence/absence of any active nest in and adjacent to the work area.
- No oak species will be removed or trimmed as a result of this project. If trimming of oaks must occur, it will be according to ISA and ANZI standards by a certified arborist. If any oaks are removed as a result of this project, they will be mitigated for at a 10:1 ratio according to the Ventura County Oak Preservation Ordinance.

2. The following **Archaeological guidelines** will be followed at the project site:

- If human remains are exposed during construction, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made the necessary findings as to origin and disposition, pursuant to Public Resources Code 5097.98.
- Should the project description or APE be altered additional cultural resource studies or evaluations will be required.

ATTACHMENT F

HAZARDOUS WASTE INITIAL SITE

ASSESSMENT (ISA)

Memorandum

*Fléx your power!
Be energy efficient!*

To: Albert Andraos
Office of Project & Special Studies

Date: November 18, 2008

File: 07-VEN-101
PM 14.05/21.06
TMDL

EA: 27600K

From: DEPARTMENT OF TRANSPORTATION
Office of Environmental Engineering & Corridor Studies
Hazardous Waste Unit – North Region

Subject: Hazardous Waste Assessment

This is in response to your memorandum dated November 3, 2008, requesting for Hazardous Waste Assessment for the above referenced project. The proposed project involves the preparation of the Project Scope Summary Report for implementing Trash Total Maximum Daily Load (TMDL) projects phase VII along State Route VEN 101 within the above limits for the upcoming SHOPP cycle. The scope of this project include design and construction of treatment BMPs such as Gross Solid Removal Devices, Infiltration Basins, Media Filters, etc at or adjacent to out fall locations within Caltrans right of way.

Based on the provided outfall location plans, there will be a total of 25 BMPs. Eighteen (18) Gross Solid Removal Devices, five (5) Delaware Sand Filters, and two (2) Infiltration Basins. On November 13, 2008, Mr. Abdol Hajipour of your office informed us, there would be excavation in unpaved areas with the excavation depth up to 10 feet and the width of 12 feet next to the shoulder.

We have completed our review. Based on the provided information our hazardous waste assessment is as follows:

Potential of Hazardous Waste Contamination Aerially Deposited Lead (ADL) may exist at the project location in unpaved areas. The previously executed site investigation (SI) report (Task Order No. 07-120921-01, VEN-101, KP 0.32 to 48.44, dated July 1996, prepared by Geocon) within the project limit indicates that the presence of ADL soil in unpaved areas up to a depth of 5 feet. The test results indicate that the Total Threshold Limit Concentration (TTLC) ranged from 7.2 to 610 mg/kg and Soluble Threshold Limit Concentration (STLC) ranged from 2.1 to 55 mg/ml.

A site investigation (SI) will be required for this project during PS&E to determine the actual levels of contamination so that provisions can be made for handling and disposal of the contaminated soils. The contaminated soil may be reused based on the levels of lead contamination under a variance issued by the California Department of Toxic Substances Control

EA 27600K
HW Assessment
November 18, 2008
Page 2

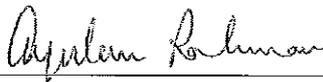
(DTSC). A request to perform the SI should be submitted early in the design phase because it requires three to four months to complete the SI report. For cost estimating purposes, the top 3 feet of soil in unpaved areas of the median and within 25 feet of edge of pavement requiring excavation can be considered contaminated with ADL (Z-2 soil) and may require disposal at a class I facility. We recommend that you allocate appropriate funds for off-site disposal and for the preparation of a Lead Compliance Plan (LCP). The average unit cost for disposal and LCP preparation can be obtained at (<http://t8web/design/contractcost/>).

All appropriate Special Provisions will be provided upon receiving a request during the PS&E phase.

We anticipate requiring 550 hours for the completion of the hazardous waste investigation for this project, 50 hours for activity 165.10.50 and 500 hours for activity 235.10.15. These support hours should be accounted for the project programming process and included in the final PSSR.

Please inform us of any changes made to the scope of work.

If you have any questions or need additional information, please call me at extension 213-897-0670 or Saba Tesfayohannes of my staff at 213-897-8592.



Ayubur Rahman
District Hazardous Waste Coordinator – North Region

ATTACHMENT G

RIGHT OF WAY DATA SHEET

TO Albert Andraos
 ATTN Abdol Hajipour
 PHONE (213) 897-6278
 SENIOR R/W P&M
 ROUTE SR VEN 101
 PM_KM 14.05/21.06 (22.61/33.89)
 EA 27600K
 ALT

R/W DATA SHEET

Date of Data Sheet 11/26/2008

**ID NO
 1545**

WBS
 REVISED
 UPDATED
 PROJ_DESC BMPs in Ventura County River Easterly TMDL

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

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 be performed by Caltrans staff.

Major items of Construction Contract Work are not anticipated.

No material borrow and/or disposal sites are not required.

There are no 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	NONE	NONE
Estimate of Reimbursed Appraisal Fee	NONE	NONE
Total estimated cost	NONE	NONE

ESCALATION RATE RW .07

ESCALATION RATE Utilities

CERT.DATE 11/30/10

According to Abdol Hajipour, 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 None

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.

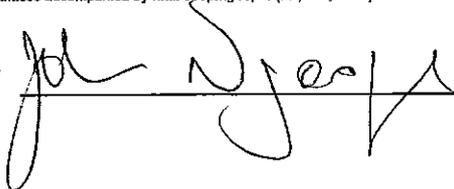
N/A

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

		<u>DATE</u>
Right of Way Estimate prepared by	<u>Steve Flores</u>	<u>11/11/08</u>
Railroad Estimate prepared by	<u>Lowell W. Anderson</u>	<u>11/22/08</u>
Utilities Estimate prepared by	<u>Mark Lyles</u>	<u>11/17/08</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  8-25-09

ATTACHMENT H

TMP DATA SHEET

TRANSPORTATION MANAGEMENT PLAN DATA SHEET

(Preliminary TMP Elements and Costs)

Co/Rte/PM Ven 101 / 14.05/21.06 EA 27600K Alternative No. NA

Project Limit Lewis Road (Rte 34) to Rose Avenue

Project Description The project consists of implementing Trash Total Maximum Daily Load projects which will include the construction of gross solid removal devices, infiltration basins, and media filters on Route 101.

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) \$
- 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) \$34,000
- 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

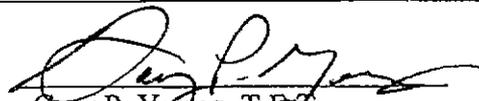
- a. Application of New Technology \$ _____
- e. Others _____ \$ _____

TOTAL ESTIMATED COST OF TMP ELEMENTS = \$34,000

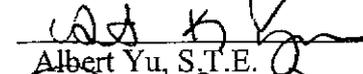
Project Notes:

1. Project does not require any PAC funding per Judy Gish on November 7, 2008
2. Motorist Information Strategies:
There are no existing CMS that are in close enough proximity to be utilized for this project.
3. Incident Management:
COZEEP provided by Amjad Obeid, Construction Traffic Advisor - November 4, 2008
FSP is not required since no long term closures are required and only shift closures involved.
4. Construction Strategies:
It is anticipated all work will be done behind routine lane closures and shall conform with the hours provided in the Maintaining Traffic specifications.
5. Demand Management is not required since there are no long term closures reducing freeway capacity in this project.
6. Alternative Route Strategies are not required since there are no long term closures reducing freeway capacity in this project.

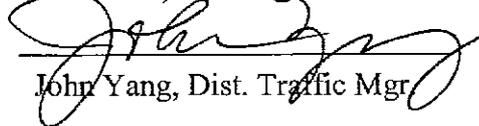
PREPARED BY

 DATE 11-13-08
Gary P. Young, T.E.T.

APPROVAL RECOMMENDED BY

 DATE 11-13-08
Albert Yu, S.T.E.

APPROVED BY

 DATE 11-13-08
John Yang, Dist. Traffic Mgr.

Preliminary Chart

Chart No. 1 Freeway Lane Requirements and Hours of Work																									
County: Ven					Route/Direction: 101 / North										PM:										
Closure Limits: Lewis Rd (Rte 34) UC to Rose Ave OC																									
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	2	2	2	2	2	2	S	S	S	S	S	S	S	S	S	N	N	N	N	S	2	2	2	2	2
Fridays	2	2	2	2	2	2	S	S	S	S	S	S	S	S	N	N	N	N	N	S	2	2	2	2	2
Saturdays	2	2	2	2	2	2	2	2	2	S	S	S	S	S	S	S	S	S	S	S	2	2	2	2	2
Sundays	2	2	2	2	2	2	2	2	2	S	S	S	S	S	S	S	S	S	S	2	2	2	2	2	2

Legend:

2 Provide at least two adjacent through freeway lanes open in direction of travel.

S Shoulder closure permitted (right / left).

N No work permitted.

REMARKS: Number of Through Traffic Lanes - 3

Preliminary Chart

Chart No. 2
Freeway Lane Requirements and Hours of Work

County: Ven Route/Direction: 101 / South PM:

Closure Limits: Rose Ave OC to Lewis Rd (Rte 34) UC

FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	2	2	2	2	2	2	N	N	N	S	S	S	S	S	S	S	S	S	S	S	2	2	2	2	2
Fridays	2	2	2	2	2	2	N	N	N	S	S	S	S	S	S	S	S	S	S	S	2	2	2	2	2
Saturdays	2	2	2	2	2	2	2	2	2	S	S	S	S	S	S	S	S	S	S	S	2	2	2	2	2
Sundays	2	2	2	2	2	2	2	2	2	S	S	S	S	S	S	S	S	S	S	S	2	2	2	2	2

Legend:

2 Provide at least two adjacent through freeway lanes open in direction of travel.

S Shoulder closure permitted (right / left).

N No work permitted.

REMARKS: Number of Through Traffic Lanes - 3

ATTACHMENT I

STORM WATER DATA REPORT COVER

PAGE

Long Form - Storm Water Data Report



Dist-County-Route: 07-VEN-101
Post Mile (Kilometer Post) Limits: 14.05/21.06 (22.48/33.69)
Project Type: Trash TMDL Implementation Project
EA: 27600K
RU: 07-186
Program Identification: 201.335
Phase: [X]PID []PA/ED []PS&E

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

Is the project required to consider incorporating Treatment BMPs? [X]Yes []No
If yes, can Treatment BMPs be incorporated into the project? [X]Yes []No

If No, a Technical Data Report must be submitted to the RWQCB at least 60 days prior to PS&E Submittal. List submittal date:

Total Disturbed Soil Area: 1.27 acres (0.51 hectares)

Estimated Construction Start Date: July 1, 2009 Construction Completion Date: Sept. 30, 2011

Notification of Construction (NOC) Date to be submitted: June 30, 2009

Notification of ADL reuse (if Yes, provide date) []Yes Date: [X]No

Separate Dewatering Permit (if Yes, permit number) []Yes Permit #: [X]No

This 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.

Signature of ABDOL HAJIPUOR, Registered Project Engineer/Landscape Architect, Date 3/05/09

I have reviewed the storm water quality design issues and find this report to be complete, current, and accurate:

Signature of OJAS SHETH, Project Manager, Date 3/12/09

Signature of ROGER CASTILLO, Designated Maintenance Representative, Date 3/12/09

Signature of RON RUSSAK, Designated Landscape Architect Representative, Date 03.12.09

Stamp: STAMP [Required for PS&E only], Signature of SHIRLEY PAK, District/Regional SW Coordinator or Designee, Date 3/12/2009

ATTACHMENT J

PROJECT COST ESTIMATE

PROJECT SCOPE SUMMARY REPORT

COST ESTIMATE

DIST-CO-RTE	07-VEN-101
PM	14.05/21.06
EA	27600K
Program Code:	20.XX.201.335

Project Description:

Limits: On VEN-101, From EB of Arneill Road Overcrossing To WB on Rose Avenue

Proposed Improvement (Scope): Installing Treatment BMPs Devices at Outfall Locations within Project Limit.

TOTAL ROADWAY ITEMS	\$ 14,871,860
TOTAL STRUCTURE ITEMS	\$
SUBTOTAL CONSTRUCTION COSTS	\$ 14,871,860
RIGHT OF WAY ITEMS (Current Value)	\$
TOTAL PROJECT CAPITAL OUTLAY COSTS (in 2009 dollars)	\$ 14,871,860
USE	\$ 14,900,000

ESCALATION RATE PER YEAR (5% Per Year, Program Year 2011)

YEAR	ESCALATED COST
2009/2010	\$16,017,500
2010/2011	\$17,218,813
2011/2012	\$17,248,613

Reviewed by	Signature	Steve Tran	Phone No.	Date
SHOPP Program Manager				

Approved by	Signature	Ojas Sheth	Phone No.	Date
Project Manager				

<u>Section 4 Specialty Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
Retaining Walls					
Noise Barriers					
Metal Beam Guardrail	720	ft	\$55.00	\$39,600	
Equipment/Animal Passes					
Highway Planting	1	LS		\$100,000	
Plant Establishment Work				\$25,000	
Irrigation System Repair & Mo	1	LS		\$245,000	
Relocate Private Irrigation Facilities					
Erosion Control	1	LS		\$75,000	
Slope Protection	1	LS		\$70,000	
Design Pollution Prevention Plan	1	LS		\$47,000	
Hazardous Waste Mitigation W	9461	cu.ft	\$37.80	\$357,626	
Environmental Mitigation	1	LS		\$50,000	
SWPPP Plan Preparation and V	1	LS		\$260,000	
Resident Engineer Office Fund	1	LS		\$144,000	
					Subtotal Specialty Items
					<u>\$1,413,226</u>

<u>Section 5 Traffic Items</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
ITS (Install communication conduits)					
Traffic Delineation Items					
Traffic Signals					
Overhead Sign (Retro-Relective)					
Ground Mounted Signs					
Traffic Control System	1	LS	\$100,000	\$100,000	
Traffic Management Plan	1	LS	\$34,000	\$34,000	
COZEPP					
Construction Area Signs					
Temporary Crash Cushion	15	EA.	\$350.00	\$5,250	
Temporary Railing Type K	10,000	FT	\$10.00	\$100,000	
					Subtotal Traffic Items
					<u>\$239,250</u>

SUBTOTAL SECTIONS 1-5 \$10,300,856

Section 6 Minor Items

\$10,300,856	X	<u>5.00%</u>	<u>\$515,043</u>
Subtotal Sections 1-5		(x%)	
TOTAL MINOR ITEMS			<u>\$515,043</u>
SUBTOTAL SECTIONS 1-6			<u>\$10,815,899</u>

Section 7 Roadway Mobilization

\$10,815,899	X	<u>10.00%</u>	<u>\$1,081,590</u>
Subtotal Sections 1-6		(x%)	
TOTAL ROADWAY MOBILIZATION			<u>\$1,081,590</u>
SUBTOTAL SECTIONS 1-7			<u>\$11,897,488</u>

Section 8 Roadway Additions

Supplemental			
\$11,897,488	X	<u>5.00%</u>	<u>\$594,874</u>
Subtotal Sections 1-7		(x%)	
Contingencies			
\$11,897,488	X	<u>20.00%</u>	<u>\$2,379,498</u>
Subtotal Sections 1-7		(x%)	
TOTAL ROADWAY ADDITIONS			<u>\$2,974,372</u>
TOTAL ROADWAY ITEMS			<u>\$14,871,860</u>
(Total of sections 1-8)			

Estimate Prepared By Tommy Tran Phone # 7-5726 Date: 11/04/2008
(Print Name)

Estimate Checked By Abdol M Hajipour Phone # 7-6278 Date: 11/04/2008
(Print Name)

III. RIGHT OF WAY

	Current Values	Escalated Values*
A. R/W Acquisition (including contingency, G.w.-condem.-adm.s'tl.) Permits	_____	_____
B. Utility Relocation (State Share)	_____	_____
C. RAP (cont rate.)	_____	_____
D. Clearance/Demolition	_____	_____
E. Title and Escrow Fees	_____	_____
TOTAL ESTIMATE COST	_____	_____

Anticipated Date of Right of Way Certificaion
 (Date to which Values are escalated) _____

F. Construction Contract Work

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

COMMENTS:

ATTACHMENT K

PERFORMANCE INDICATOR

Storm Water Mitigation TMDL Project
EA: 27600K Location: Route 101 PM 14.05 / 21.06
PERFORMANCE INDICATOR

Loc. #	Outfall #	PM	DIR	Drainage Area	Device Type	# Pollutants Treated	Total Area Treated	Polutant of Concern *
1	101-113	15.076	S	1.18	GSRD	1	1.18	G
2	101-121	15.395	S	4.70	GSRD	1	4.70	G
3	101-118	16.405	S	2.70	GSRD	1	2.70	G
4	101-124	17.159	S	6.51	GSRD	1	6.51	G
5	101-124	17.159	N	6.51	GSRD	1	6.51	G
6	101-125	17.792	S	2.91	DSF	5	14.53	A,B,D,E,G
7	101-126	17.794	N	2.92	DSF	5	14.59	A,B,D,E,G
8	101-130	18.881	S	1.21	GSRD	1	1.21	G
9	101-128	18.963	S	1.11	GSRD	1	1.11	G
10	101-134	19.540	N	4.71	GSRD	1	4.71	G
11	101-146	20.581	S	3.38	GSRD	1	3.38	G
12	101-145	20.685	S	4.09	GSRD	1	4.09	G
13	101-144	20.804	S	1.62	GSRD	1	1.62	G
14	101-141	20.922	N	0.80	DSF	5	4.00	A,B,D,E,G
15	101-143	20.942	S	0.94		5	4.70	A,B,D,E,G
16	101-149	20.997	N	1.62	Infil.	9	14.58	A-I
17	101-148	21.010	N	1.62	Basin	9	14.58	A-I

Total Acreages Performance Indicator 104.70

*

A	Total Suspended Solids
B	Nutrients
C	Pesticides
D	Particulate Metals
E	Dissolved Metals
F	Pathogens
G	Litter
H	Biochemical Oxygen Demand
I	Total Dissolved Solids