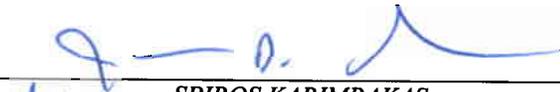


10-Tuo-108-R3.0/R4.0
20.20.201.335
10 0002 0502
(10-0V490K)
July 2011

Project Study Report-Project Report
To
Request Programming in the 2012 SHOPP
And
Provide Project Approval

On Route: 108
Between: Sullivan Creek Bridge
And: 0.6 Mile West of Peaceful Oak Road

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



SPIROS KARIMBAKAS
DISTRICT DIVISION CHIEF- RIGHT OF WAY

APPROVAL RECOMMENDED:



TONY SINGH
PROJECT MANAGER

APPROVED:

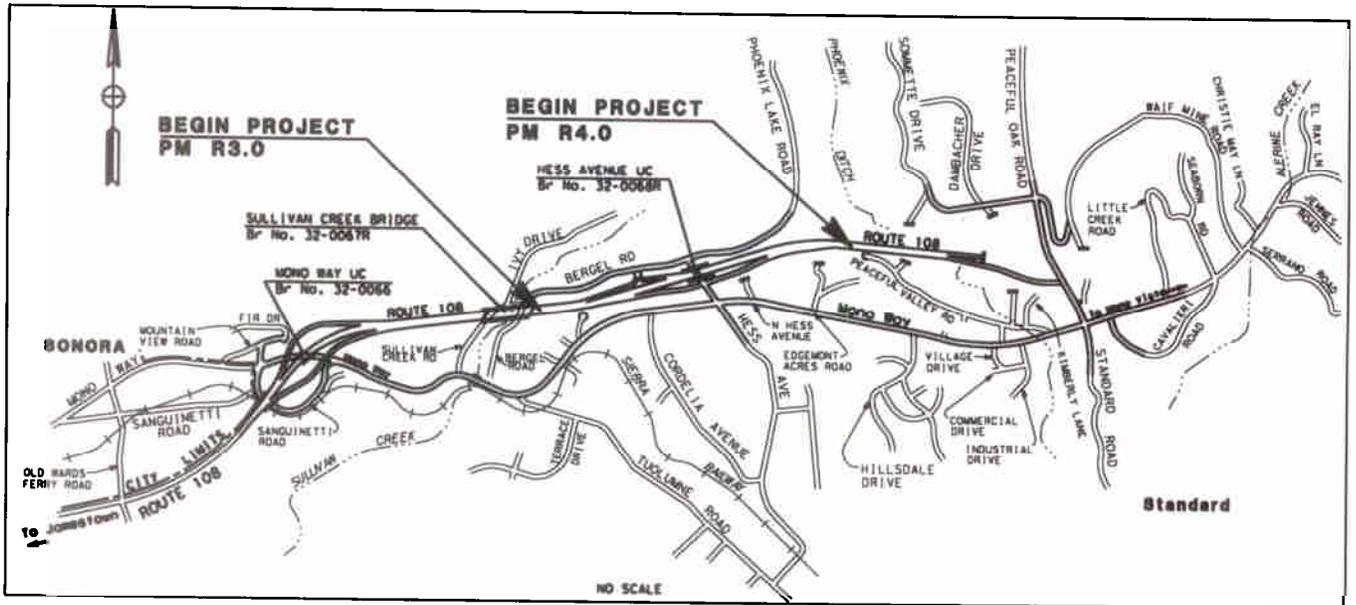


CARRIE L. BOWEN
DISTRICT 10 DIRECTOR

9-12-11

DATE

10-Tuo-108-R3.0/R4.0
20.20.201.335
July 2011



On Route 108

Between Sullivan Creek Bridge

And 0.6 Mile West of Peaceful Oak Road

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1. INTRODUCTION

The project is located in Tuolumne County on State Route 108 from the east end of the Sullivan Creek Bridge to 0.6 mile west of Peaceful Oak Road. The project proposes to stabilize surficial embankment slope failures causing a non-storm water discharge of sediment into Sullivan Creek. The estimated current construction cost(August 2011) is \$1,200,000 (See Attachment F). No additional right of way is required and there are no utility relocations. The project is proposed to be funded from the Storm Water Mitigation Program (20.20.201.335) in the 2013/2014 FY. This project has been assigned Project Development Processing Category 5 because the project has minimal economic, social or environmental significance.

See the Cost Estimate for specific work items included in this project.

Project Limits:	10-Tuo-108-R3.0/R4.0
Capital Costs:	\$1,200,000
Right of Way Costs:	\$0
Funding Source:	2012 SHOPP
Number of Alternatives:	Alt 1 (Build) Alt 2 (No-Build)
Recommended for Programming and Approved Alternative	Alt 1 (Build)
Type of Facility:	2-Lane Expressway
Number of Structures:	None
Anticipated Environmental Determination/Document:	Categorical Exemption/ Programmatic Categorical Exclusion
Legal Description:	In Tuolumne County on Route 108 from the Sullivan Creek Bridge to 0.6 Mile West of Peaceful Oak Road – Slope Repair

2. RECOMMENDATION/PROPOSAL

It is recommended that this Project Study Report – Project Report be approved for inclusion in the 2012 SHOPP and that the project proceed to the design phase.

3. BACKGROUND

The existing embankment fill slopes constructed in 2006/2007 as part of the East Sonora Bypass Phase 1 are experiencing distress resulting in surficial slope failures that started shortly after construction was completed. District Maintenance crews have repeatedly repaired these perennial slope failures since

the completion of the bypass and have not been successful in providing permanent slope stabilization. As a result of the slope instability, runoff from the embankment slopes along with sediment is being discharged into Sullivan Creek. The Central Valley Regional Water Quality Board (CV-RWQCB) has issued Notices of Violation for non-storm water discharges of sediment into Sullivan Creek.

4. PURPOSE AND NEED STATEMENT

Need:

Caltrans' NPDES (National Pollutant Discharge Elimination System) permit directs that any discharge from Caltrans right-of-way, properties, facilities, and activities within those rights of way that is not composed entirely of "Storm Water" is prohibited. The permit requires Caltrans to maintain and implement an effective Storm Water Management Plan (SWMP). The SWMP directs Caltrans to reduce pollutants into waterways and to make improvements for water quality. This project proposes to bring the State into compliance with the Storm Water Management regulations and will avoid future Notices of Violation from the Central Valley Regional Water Quality Board (CV-RWQCB).

Purpose:

The purpose of the project is to bring the State into compliance with the Storm Water Management regulations by providing effective sediment control measures at the source to minimize, to the maximum extent possible, particulate water pollution. This will be accomplished by stabilizing the embankment fill slope failures on Route 108 which is the source of the non-storm water discharge.

5. DEFICIENCIES

The existing ADT (Average Daily Traffic) is 22,100 with a DHV (Design Hourly Volume) of 2,200 and a directional split of 65%. The projected 2033 ADT is 44,100 with a DHV of 4,400. The truck volume is 6%. Forecasting methodology for this project used multiple sources of data and information, one of them being a Traffic Demand Model (TDM)

The accident history for this segment of highway in the three-year period beginning April 1, 2007 is as follows:

Accident Listing for period 04/01/07 to 3/31/10 (Source: Caltrans TASAS Table B Listing)

Type	Actual	Average
Fatal	0.043	0.027
Fatal+Injury	0.17	0.42
Total	0.34	0.95

There were a total of eight accidents. There was one fatality and three injury

accidents. The actual accident rate is below the statewide average for similar facilities.

6. CORRIDOR AND SYSTEM COORDINATION

State Route 108 is an east-west route beginning at I-5 near Crows Landing in Stanislaus County and ending at US-395 at Sonora Junction in Mono County. The first 22.43 miles of the route is an unconstructed traversable highway. The route is constructed starting at SR-132 in downtown Modesto. The District 10 portion of the route is approximately 86.1 miles long not including portions concurrent with State Route 120 and State Route 49. The highway traverses the San Joaquin Valley area and extends easterly across the Sierra Nevada Mountain Range. In District 10, the route serves the communities and cities of Modesto, Riverbank, Oakdale and Sonora. It also serves the unincorporated communities of Jamestown, East Sonora, Twain Harte, Sugarpine, Mi-Wuk Village, Sierra Village, Pinecrest and Strawberry. Route-108 is an important link between Tuolumne County and the San Joaquin Valley, and provides access to numerous Mother Lode recreational areas such as the New Melones Lake, Lake Don Pedro, Pinecrest Lake, and Dodge Ridge. SR-108 is also an important trans-sierra route connecting the San Joaquin Valley and the Mother Lode with areas east of the Sierra Nevada.

Route 108 is included in the Interregional Road System (IRRS) between Route 120 at Yosemite Junction and US-395. It is also included in the Freeway and Expressway (F&E) System. Route 108 is identified as a Terminal Access Route for the National Truck Network through all of Stanislaus County and in Tuolumne County until Strawberry. The route is not included in the National Highway System (NHS) or the Strategic Highway Network (STRAHNET). Route 108 is eligible as a Scenic Highway from Route 49 near Sonora to US-395, but it is not officially designated as such.

The Route 108 Corridor System Management Plan (CSMP) identifies the concept level of service (LOS) for the corridor in this part of Tuolumne County as LOS "C". The Concept Facility and the Ultimate Transportation Corridor for this section of Route 108 is 4-lane freeway.

Programmed Project(s):

C/Route	EA	PM	Description	Source
108	10-34042_	R4.0/R6.0	East Sonora II Construct Bypass	RTP Tier 1b RIP,IIP,CMIA,STIP

Planned Project(s):

Co/Route	PM	Description	Source
108	4.33	Rte 108 West of Standard Rd Performance Measurement SystemS	SHOPP
108	4.33/5.87	Standard Rd to Via Este Park & Ride Lot	CT Park and Ride Plan
108		Class I and II Bicycle, Pedestrian and Equestrian Facilities	RTP Tier 1b BTA Local

7. ALTERNATIVES

There are two alternatives under consideration.

Alternative 1:

The project proposes to stabilize surficial embankment fill slope failures along Route 108 at four locations by placing ¼ ton rock slope protection (See Attachment B). The August 2011 construction cost is estimated at \$1,200,000 (See Attachment F). No additional right of way is required.

Alternative 2:

Under the no-build alternative, no work would be performed to address the non-stormwater discharge to Sullivan Creek; thereby, not satisfying the purpose and need of the project which is to bring the State into compliance with the Storm Water Management regulations.

8. CONSIDERATIONS REQUIRING DISCUSSION

A. Hazardous Waste

No known hazardous waste sites were identified in the initial site assessment.

B. Value Analysis

A value analysis is not required.

C. Resource Conservation

There will be no materials generated for recycling as a result of construction.

D. Right Of Way Issues

All construction will be within existing right of way. No additional right of way or utility relocation is anticipated. A Right of Way Data Sheet was prepared in August 2011 (See Attachment C).

E. Environmental Issues

There are no significant or substantial environmental concerns.

F. Air Quality Conformity

Air quality conformity is not required.

G. Title VI Considerations

The project does not propose to make any changes to the existing conditions that would affect low mobility or minority groups.

9. OTHER CONSIDERATIONS AS APPROPRIATE

AGREEMENTS

No agreements are required.

TRANSPORTATION MANAGEMENT PLAN

A transportation management plan (TMP) has been developed. Lane closures will be restricted to low volume windows. The TMP includes Construction Zone Enhanced Enforcement Program (COZEEP), changeable message signs and a public information package (See Attachment G).

STORM WATER

A Long Form Storm Water Data Report has been prepared (See Attachment E). The project will disturb more than 1 acre of soil. A Storm Water Pollution Prevention Plan (SWPPP) will be required for construction.

10. COMMUNITY INVOLVEMENT

The Central Valley Regional Water Quality Control Board has issued Notices of Violation for discharging of sediment into Sullivan Creek.

11. ENVIRONMENTAL DETERMINATION/DOCUMENT

The project is Categorical Exempt under Class 1 of the State CEQA guidelines. The project is Categorical Excluded under NEPA. (See Attachment D).

12. FUNDING

12A. CAPITAL COST

Capital Cost Estimate for 2010 SHOPP

It is proposed to program this project in the 2012 SHOPP in the 2013/2014 FY. Funding will be from the Storm Water Mitigation Program (20.20.201.335). The

August 2011 cost estimate is \$1,200,000 for construction. There are no right of way costs.

12B. CAPITAL SUPPORT ESTIMATE

Capital Support Estimate

Project Cost Component	Fiscal Year				Total
	11/12	12/13	13/14	14/15	
PS&E	\$92.93	\$324.00	\$276.45		\$693.38
R/W Support	\$0.01	\$0.09	\$0.09	\$0.09	\$0.28
R/W Prop Mgmt & XS Lands	0	0	0	0	0
Construction Support			\$72.17	\$229.16	\$301.33
Total	\$92.94	\$324.09	\$348.71	\$229.25	\$994.99

- Note: (1) All costs are in \$1000's. Construction capital costs are escalated at 3.0% per year and support costs are escalated at 3.1% per year.
 (2) Support categories are the same as those identified by SB 45.
 (3) Support costs for preceding years are shown in FY 11/12. Dollar value unescalated due to past or current year.

13. SCHEDULE

HQ Milestones	Delivery Date
PA & ED	09/09/11
Project PS&E	10/01/13
Right of Way Certification	08/01/13
Ready to List	01/02/14
Headquarters Advertise	02/01/14
Award Contract	04/01/14
Approve Contract	05/01/14
Contract Acceptance	12/01/14

14. FHWA COORDINATION

Per the 2009 Federal Transportation Act, this project is eligible for federal-aid funding and is considered to be STATE-AUTHORIZED under current FHWA-Caltrans Stewardship Agreements.

15. PROJECT PERSONNEL

Name	Caltrans Function	Telephone Number
Tony Singh	Project Manager	(209) 948-7058
Caroline Reyes	Design Senior	(209) 948-7761
Patricia Teczon	Project Engineer	(209) 948-7960
Gail Miller	Environmental Manager	(559) 243-8274
Anthony Dorn	Right of Way Manager	(209) 948-3858

16. PROJECT REVIEWS

Field Review _____	Date <u>04/28/11</u>
District Maintenance <u>Long Huynh</u>	Date _____
District Safety Review <u>Mark Orr</u>	Date _____
HQ Design Coordinator/Reviewer <u>Antonette Clark</u>	Date _____
Project Manager District Safety Review _____	Date _____
District SHOPP Program Advisor _____	Date _____
HQ SHOPP Program Advisor _____	Date _____

17. ATTACHMENTS:

- A. Location Map
- B. Project Map
- C. Right of Way Data Sheet
- D. Categorical Exemption/Categorical Exclusion
- E. SWDR Signature Page
- F. Cost Estimate
- G. TMP

cc:

HQ Division of Design
Program Advisor -
HQ Division of Engineering Services (3)
HQ Transportation Programming – Rick Guevel
HQ Environmental – Bob Pavlik
HQ Maintenance – Roger Hunter
Project Manager – Tony Singh
Design Manager (2) – Caroline Reyes
CR Construction – Resident Engineer
D10 Maintenance – Alvin Mangindin
D10 Traffic Management – Nabeel Burhan
D10 Traffic Engineering – Mark Orr
CR Traffic Design – Mohammed Qatami
D10 Traffic Operations – Vu H. Nguyen
CR Materials – Dave Dhillon
CR Environmental – Sarah Gassner
CR Right of Way – James Gonzalez
D10 Transportation Planning – Ken Baxter
CR PPM – Linda Arujo (Electronic Only)
CR Surveys – Hanna Kassis (Electronic Only)
HQ DES/OPPM – Andrew Tan
D10 Records Center – Beverly Connolly

INDEX OF PLANS

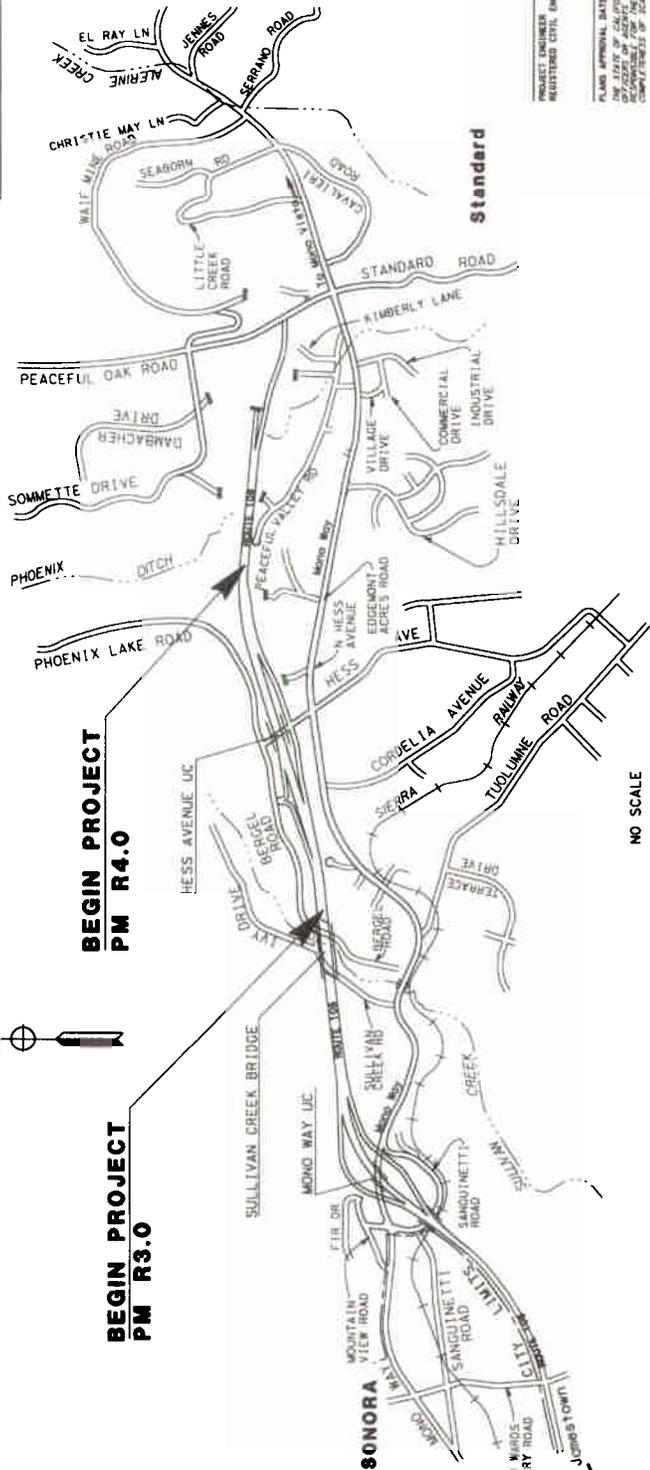
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
 IN TUOLUMNE COUNTY
 FROM THE SULLIVAN CREEK BRIDGE
 TO 0.6 MILE WEST OF PEACEFUL OAK ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

BOAT	COUNTY	ROUTE	TOTAL PROJECT SHEETS	SHEET NO.
10	TUO	108	R3.0/R4.0	




LOCATION MAP



NO SCALE

ATTACHMENT A



PROJECT ENGINEER DATE
 MATTHEW CECIL ENGINEERS
 CIVIL
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS
 AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR
 COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CONTRACT No. **10-OV490-**
 PROJECT ID **1000020502**
 UNIT 0000 PROJECT NUMBER & PHASE 0000000001

THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES)
 OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

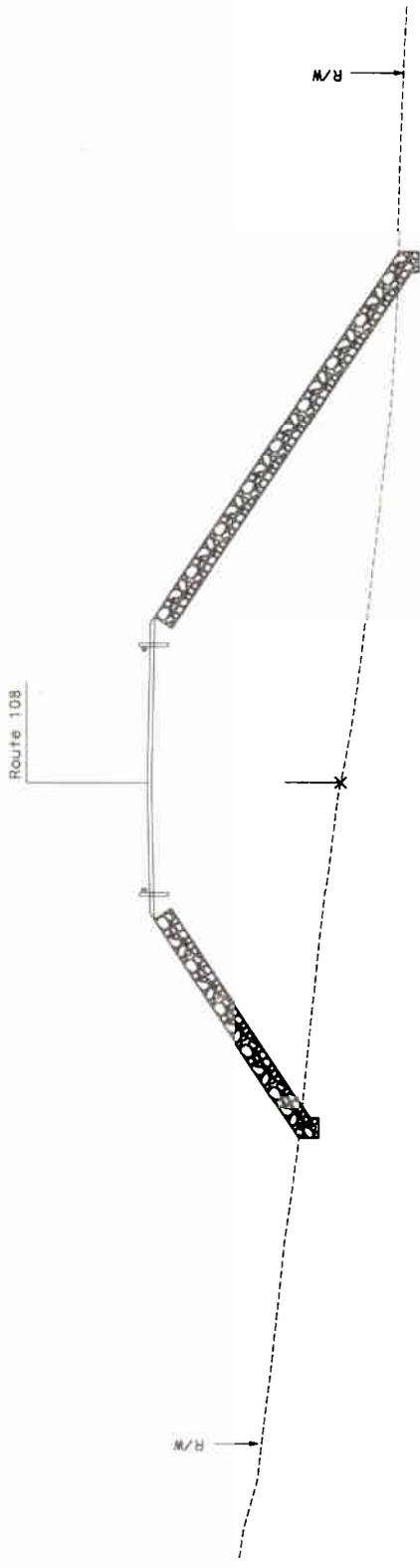
BORDER LAST REVISED 7/2/2010 CALTRANS WEB SITE IS: [HTTP://WWW.DOT.CA.GOV/](http://www.dot.ca.gov/)

RELATIVE BORDER SCALE 0 1 2 3
 BORDER SCALE 1/8" = 100'-0"
 DATE FILED 02-04-2009 09:00:00

DESIGN ENGINEER PROJECT MANAGER

00-00-00 DATE PLOTTED 03-29-06 09:11:21

COUNTY ROUTE SECTION SHEET NUMBER
 REGISTERED CIVIL ENGINEER DATE
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 FOR THE DISTRICT OF ELECTRONIC
 DRAWING OF THIS PLAN SHEET



TYPICAL CROSS SECTION

ATTACHMENT B

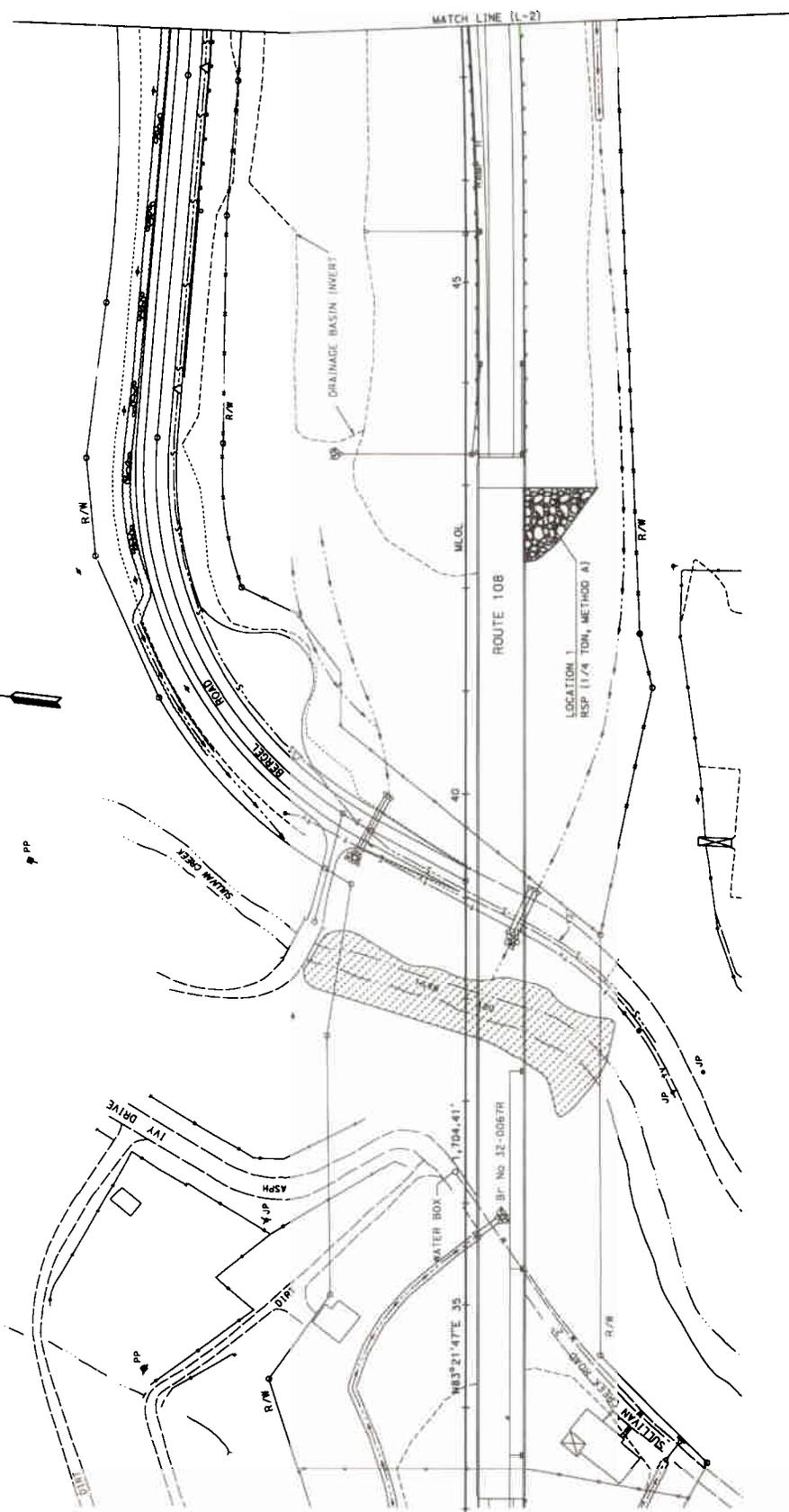
CU 00000 EA 000000
 USERNAME => 311483
 JOB FILE => 04480 Typical Cross Section.dwg
 RELATIVE BORDER SCALE
 IS IN MICROMETERS
 BORDER LAST REVISED 3/1/2007

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CHECKED BY	DATE REVISION
	DESIGNED BY	REVISION BY	
	CALCULATED		

DATE	10	COUNTY	Tuo	ROUTE	108	TOTAL SHEETS	10	SHEET NO.	10
REGISTERED CIVIL ENGINEER	DATE	PROJECT		R3.0/R4.0					

LEGEND:
 - ROCK SLOPE PROTECTION (1/4 TON, METHOD A)

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



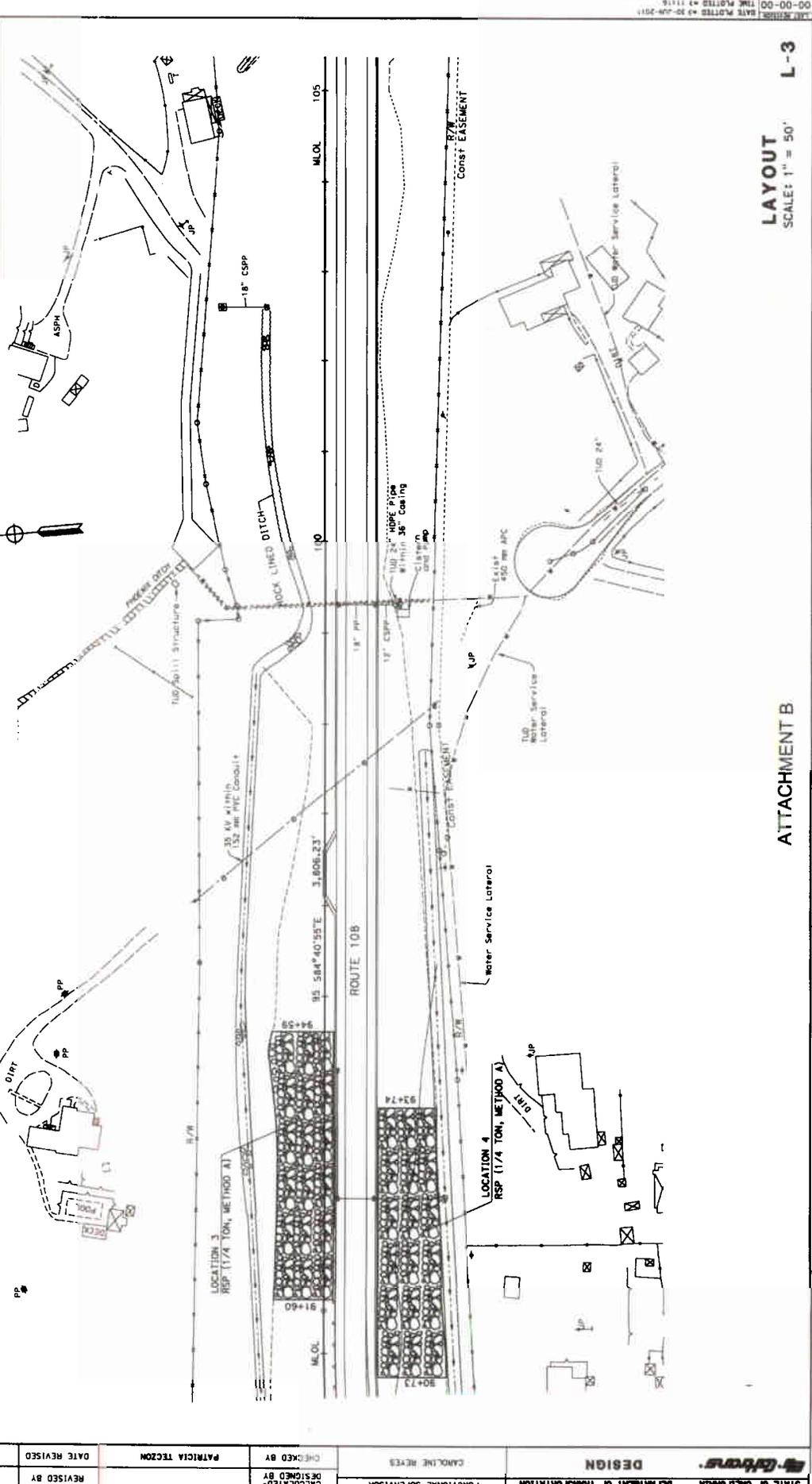
LAYOUT
 SCALE: 1" = 50'

ATTACHMENT B

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
 FUNCTIONAL SUPERVISOR
 CHECKED BY: PATRICIA TECZON
 DESIGNED BY: [Blank]
 REVISIONS: [Blank]
 DATE REVISION: [Blank]
 BORDER LAST REVISION: 7/2/2010
 WORKBOOK: 0311453
 DWG FILE: 0311453.dwg
 PROJECT NUMBER & PHASE: UNIT 1453
 10000205021

SHEET TOTAL: 10 OF 10
 COUNTY: TUO
 ROUTE: 108
 TOTAL PROJECT: R3.0/R4.0
 REGISTERED CIVIL ENGINEER: DATE: 08/20/13
 OFFICE: 31254
 STATE OF CALIFORNIA
 PROFESSIONAL ENGINEER
 LICENSE NO. 31254
 EXPIRES: 08/20/13
 PLEASE APPROVAL DATE: 08/20/13
 THIS PLAN IS THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

NOTE:
 FOR ACCURATE RIGHT OF WAY DATA, CONTACT
 RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.



LAYOUT
 SCALE: 1" = 50'
L-3

ATTACHMENT B

DESIGNED BY	DATE REVISION	REVISION
PATRICIA TECSON CIVIL ENGINEER	08/20/13	1

Attachment C

State of California

Business, Transportation and Housing Agency

Memorandum

To: TONY SINGH

Date: 9/13/2011

Attn: CAROLINE REYES

File: CD 10 EA 0V490K Alt N/A

Co TUO RTE 108

DESCRIPTION:
STORM WATER MITIGATION

From: Department of Transportation
Division of Right of Way Central Region

Subject: RIGHT OF WAY DATA SHEET

We have completed an estimate of the right of way costs for the above-referenced project based on the Right of Way Data Sheet Request Form dated 9/20/2011

The following assumptions and limiting conditions were identified:

Appraisal

Storm Water Mitigation. No new Right of Way required for this project. No environmental mitigation required for this project.

Utility

No Utilities within the project limits

Right of Way Lead Time will require a minimum of 0 months after we receive Certified Appraisal Maps and/or Utility Conflict Plans, obtained necessary environmental clearance and applicable freeway agreements have been approved.



MICHAEL J. RODRIGUES
Assistant Region Division Chief, Right of Way
(209) 948-7844

Right Of Way Cost Estimate	Current Year 2011	Contingency Rate	Right of Way Escalation Rate	Escalated Year 2011
Acquisition:	\$0	25%	5%	\$0
Mitigation:	\$0	25%	5%	\$0
State Share of Utilities:	\$0	25%	5%	\$0
Expert Witness:	\$0	25%	5%	\$0
Relocation Assistance:	\$0	25%	5%	\$0
Demolition and Clearance:	\$0	25%	5%	\$0
Title and Escrow:	\$0	25%	5%	\$0
Ad Signs:	\$0	25%	5%	\$0
Total Current Value:	\$0			\$0

If RW Cost Est fields are blank, Costs = \$0

Estimated Construction Contract Work (CCW): 0 RAW LEAD TIME/Mo. 0

Cost Break Down	
Pot Hole	
Mitigation	
Land	0
Bank	0
Permit Fees	0

RR Involvement

Railroad Facilities or Right of Way Affected?	Yes
Const/Maint Agreement:	No
Service Contract:	No
Right of Entry:	No
Clauses:	Yes
Estimated Lead-time	1 month

Parcel Data

# of Parcel Type X:	0		
# of Parcel Type A: less than \$10,000 non-complex	0		
# of Parcel Type B: more than \$10,000 non-complex	0		
# of Parcel Type C: complex, special valuation	0		
# of Parcel Type D: most complex and time consuming	0	# of Duals Needed:	0
Totals:	0	Totals:	0

of Excess Parcels: 0

Misc RAW Work

# of RAP Displacements:	0
# of Clearance/Demos:	0
# of Const Permits:	0
# of Condemnations:	0

Utilities

U4-1: Owner Expense	0
U4-2: State Expense, Conventional no Fed Aid	0
U4-3: State Expense, Freeway no Fed Aid	0
U4-4: State Expense, both with Fed Aid	0
U5-7: Utility verification, no relocation/potholing	0
U5-8: Utility verification, w/ some relocation/potholing	0
U5-9: Utility verifications, relocation/potholing required	0

EA: 10-0V490K ALT: N/A

Parcel Area

Total RW Required:	0
Total Excess Area:	0

General Description of RW and Excess Lands Required (zoning, use, major improvements, critical or sensitive parcels, etc.):

Storm Water Mitigation. No new Right of Way required for this project.

General Description of Utility Involvement:

No Utilities within the project limits

Is there a significant effect on assessed valuation:

No

Were any previously unidentified sites with hazardous waste or material found:

No

Are RAP displacements required:

No

of single family:

of multi-family:

of business/nonprofit:

of farms:

Sufficient replacement housing will be available without last resort housing:

Are material borrow or disposal sites required:

No

Are there potential relinquishments or abandonments:

No

Are there any existing or potential airspace sites:

No

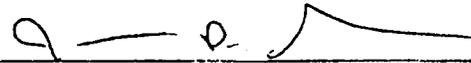
Are environmental mitigation parcels required:

No

Data for evaluation provided by:

Estimator:	Gordon Watkins	9/9/2011
Railroad Liaison Agent:	Maria Toles	8/28/2011
Utility Relocation Coordinator:	Taira Moering	8/23/2011

I have personally reviewed this Right of Way Sheet and all supporting information. I find this Data Sheet complete and current, subject to the limiting conditions set forth.


 MICHAEL J. RODRIGUES
 Assistant Region Division Chief, Right of Way

Date
 ENTERED PMCS 8/12/2011
 BY: C WEAVER

CATEGORICAL EXEMPTION/CATEGORICAL EXCLUSION DETERMINATION FORM
Continuation Sheet

Dist.-Co.-Rte. (or Local Agency)	P.M.P.M.	E.A. (State project)	Federal-Aid Project No. (Local project)/ Proj. No.
----------------------------------	----------	----------------------	--

Continued from page 1:

Hazardous Waste: The project would not require any hazardous waste special provisions.

Air Quality: Not further analysis is necessary

Noise: This project is not considered Type 1 under NEPA and no further analysis is necessary.

Water Quality: All short term water quality impacts need to be addressed in the Design and Construction phase of the project. In order to address any potential impacts, Best Management Practices need to be selected and implemented in accordance with the Project Planning and Design Guide. The contractor, as required in Caltrans Standard Specification Section 7-1.01G, must address all potential water quality impacts that may occur during construction.

Cultural: No further cultural resource work is required unless project plans change to include work not currently identified in the project description or to include additional areas not identified in current project plans.

Long Form - Stormwater Data Report



Dist-County-Route: 10-Tuo-108
 Post Mile Limits: R3/R4
 Project Type: Slope Protection
 Project ID (or EA): 10 0002 0502 (10-0V490K)
 Program Identification: 20.20.201.335
 Phase: PID
 PA/ED
 PS&E

Regional Water Quality Control Board: Region 5, Central Valley, Sacramento Office

Is the Project required to consider Treatment BMPs? Yes No
 If yes, can Treatment BMPs be incorporated into the project? Yes No
 If No, a Technical Data Report must be submitted to the RWQCB at least 30 days prior to the projects RTL date. List RTL Date: 01/02/2014

Total Distributed Soil Area 2.2 acres Risk Level: 2
 Estimated: Construction Start Date: 05/01/2014 Construction Completion Date: 12/01/2014
 Notification of Construction (NOC) Date to be submitted: 04/01/2014

Erosivity Waiver Yes Date: 9/31/2012 No
 Notification of ADL reuse (if Yes, provide date) Yes Date: _____ No
 Separate Dewatering Permit (if yes, permit number) Yes Permit # _____ 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 date upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

Patricia Teczon 9-1-11
 Patricia Teczon, Registered Project Engineer Date

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

[Signature] 9-1-11
 Tony Singh, Project Manager Date

[Signature] 9-1-11
 Mike Barrington, Maintenance Stormwater Coordinator Date

[Signature] 9-1-11
 Brad Cole, Landscape Architect Date

[Signature] 8/31/11
 Marissa Nishikawa, Central Region NPDES SW Coordinator Date

PROJECT REPORT-PROJECT STUDY REPORT COST ESTIMATE

Dist-Co-Rte: 10-Tuo-108
PM: R3.0/R4.0
EA: 10-0V490K
Program Code: 20 20.201.335

PROJECT DESCRIPTION:

Limits: On State Route 108 in Tuolumne County from the East End of Sullivan Creek Bridge to 0.6 Mile West of Peaceful Oak Road

Proposed Improvement:
(Scope of Work) Stabilize Failed Embankment Slopes

Alternative: Build

SUMMARY OF PROJECT COST ESTIMATE

TOTAL ROADWAY ITEMS	\$	<u>1,193,488</u>
TOTAL STRUCTURE ITEMS	\$	<u>0</u>
SUBTOTAL CONSTRUCTION COSTS	\$	<u>1,193,488</u>
TOTAL RIGHT OF WAY ITEMS (Not Escallated)	\$	<u>0</u>
TOTAL PROJECT CAPITAL OUTLAY COSTS	\$	<u>1,193,488</u>

Estimate Date August 2011

USE CONSTRUCTION COST OF \$1,200,000

Reviewed by
Design Manager Caroline Reyes
(Signature)

8/29/11
(Date)

Approved by
Project Manager: John A
(Signature)

8/31/11
(Date)

Phone Number: (209) 948-7058

ATTACHMENT F

PROJECT REPORT-PROJECT STUDY REPORT COST ESTIMATE

Dist-Co-Rte: 10-Tuo-108
 PM: R3 0/R4 U
 EA: 1U 0V490K
 Program Code: 20 20 201 335

Section 6 - Minor Items

	<u>Item Cost</u>	<u>Section Cost</u>
<u>\$874,350</u> (Subtotal Sections 1 thru 5)	x 0.05 (5 to 10%)	= <u>\$43,718</u>

TOTAL SECTION 6 MINOR ITEMS \$43,718

Section 7 - Roadway Mobilization

<u>\$918,068</u> (Subtotal Sections 1 thru 6)	x 0.10 (10%)	= <u>\$91,807</u>
--	-----------------	-------------------

TOTAL SECTION 7 MOBILIZATION ITEMS \$91,807

Section 8 - Roadway Additions

Supplemental Work

<u>\$918,068</u> (Subtotal Sections 1 thru 6)	x 0.05 (5 to 10%)	= <u>\$45,903</u>
--	----------------------	-------------------

Contingencies

<u>\$918,068</u> (Subtotal Sections 1 thru 6)	x 0.15 (**%)	= <u>\$137,710</u>
--	-----------------	--------------------

TOTAL SECTION 8 ROADWAY ADDITIONS \$183,614

TOTAL ROADWAY ITEMS: \$1,193,488
(Subtotal Sections 1 thru 8)

Estimate

Prepared by:	<u>PATRICIA TECZON</u>	Phone: <u>948-7960</u>	<u>08/29/11</u>
	(Print or Type Name)		(Date)

Estimate

Checked by:	<u>STEVE LAWRENCE</u>	Phone: <u>948-7960</u>	<u>08/29/11</u>
	(Print or Type Name)		(Date)

****Use appropriate percentage per PDPM, Part 3 Chapter 20.**

<http://www.dot.ca.gov/hq/oppd/pdpm/pdpm.htm> - pdpm

PROJECT REPORT-PROJECT STUDY REPORT COST ESTIMATE

Dist-Co-Rte: 10-Tuo-108
 PM: R3 U/R4.U
 EA: 10-0V490K
 Program Code: 20.20.201 335

II. STRUCTURE ITEMS

	STRUCTURE		
	No. 1	No. 2	No. 3
Bridge Name	_____	_____	_____
Structure Type	_____	_____	_____
Width (out to out) - (m)	0	0	0
Span Length - (m)	0	0	0
Total Area - m ²	0	0	0
Footing Type (pile/spread)	_____	_____	_____
Cost Per m ² (incl. 10% mobilization & 25% contingencies)	\$0	\$0	\$0
Total Cost for Structure	\$0	\$0	\$0
Other	\$0	\$0	\$0

* Add additional structures as necessary

SUBTOTAL STRUCTURES ITEMS \$0

Railroad Related Costs (Not incl. in R/W Est) \$0

TOTAL STRUCTURES ITEMS \$0

COMMENTS:

Estimate Prepared by: _____ Phone: _____ (Date)

(Print or Type Name)

(If appropriate, attach additional pages as backup)

PROJECT REPORT-PROJECT STUDY REPORT COST ESTIMATE

Dist-Co-Rte: 10-Tuo-108
 PM: R3.0/R4.0
 EA: 10-0V490K
 Program Code: 20 2U 201 335

III. RIGHT OF WAY ITEMS

	Current Values (Future Use)	Escalation <u>Rates</u>	-	Escalated Values*
Acquisition, including excess lands and damages to remainder(s) and Goodwill	<u>\$0</u>	0.0%	-	<u>\$0</u>
Utility Relocation (State s	<u>\$0</u>	0.0%	-	<u>\$0</u>
Clearance/Demolition	<u>\$0</u>	0.0%	-	<u>\$0</u>
RAP	<u>\$0</u>	0.0%	-	<u>\$0</u>
Title and Escrow Fees	<u>\$0</u>	0.0%	-	<u>\$0</u>
Construction Contract W	<u>\$0</u>	0.0%	-	<u>\$0</u>
	<u>\$0</u>			
TOTAL RIGHT OF WAY**				<u>\$0</u>

ESCALLATED VALUE*

Date to which Values are Escalated: 0/0/00

* Escalated to assumed year of advertising.

** Current total value for use on Sheet 1

Estimate

Prepared by: PATRICIA TECZON
 (Print or Type Name)

Phone: 948-7960

08/29/11
 (Date)

(If appropriate, attach additional pages and backup including Right of Way Data Sheet and Environmental Mitigation and Compliance Cost Estimate Sheet).

D-10 TRANSPORTATION MANAGEMENT PLAN CHECKLIST

District - Project No: 10 0002 0502
 Date Prepared: August 19, 2011
 Prepared By: Ovid P. Radovan
 Requested By: Steve Lawrence

Co.-Rte.-P.M. Tuo - 108- R3.0/R4.0
 Location: In the City of Sonora. From Sullivan Creek Bridge to 0.6 mile west of Peaceful Oak Road

Stage of Project (X box) PID PSR PR P&E

Description: Slope repair using RSP (1/4 ton, method A).

Date Signed

 Date Signed

 Date Signed

 Date Signed

1.0 Public Information Strategies

- 1.1 Brochures and Mailers
- 1.2 Media Releases (& minority media sources)
- 1.3 Paid Advertising
- 1.4 Public Information Center
- 1.5 Public Meetings/Speakers Bureau
- 1.6 Project Telephone Hotline
- 1.7 Internet, E-Mail
- 1.8 Local cable TV and News
- 1.9 Notification to Impacted groups
(i.e. bicycle users, pedestrians with disabilities, others)
- 1.10 Project Web Page
- 1.11 Caltrans Public Information Office
- 1.12 Consultant Public Information Office
- 1.13 Other items

REQUIRED	RECOMMENDED	NOT APPLICABLE	BEEES Item No.	COMMENTS	ITEM COST	REQUIRED IN SPEC.
X				RE to hand-deliver to business/residences.		
X						
		X				
	X			See comments below.		
	X		066063	Designer to add to budget if public meeting is added.		
		X				
		X				
		X				
X				Designer to verify impacted groups.		
	X			Web page could be linked to local City pg.		
X			066063	Items 1.1 to 1.11 to be handled by CT PIO.	\$4K	
		X				
		X				

2.0 Traveler Information Strategies

- 2.1 Changeable Message Signs (permanent)
- 2.2 Changeable Message Signs (portable)
- 2.3 Special Construction Signs
- 2.4 Traveler Information Systems (CHIN/Internet)
- 2.5 Highway Advisory Radio "HAR" (fixed or mobile)
- 2.6 Radar Speed Sign
- 2.7 Traffic Management Team
- 2.8 Revised Transit Schedules/ Maps
- 2.9 Bicycle community information
- 2.10 Other items

		X				
X			128850	See comments below	\$12K	X
		X	120690			
	X		861985	As required.		
		X	860520			
		X	066064			
		X				
		X				
X				Same as Item 1.9.		
		X				

3.0 Incident Management

- 3.1 COZEPP
- 3.2 Freeway Service Patrol (tow truck service patrol)
- 3.3 Traffic Surveillance Stations (loops or CCTV)
- 3.4 Transportation Management Center
- 3.5 Traffic Control Inspector (Caltrans)
- 3.6 Traffic Management Team
- 3.7 On-site Traffic Advisor (contractor)
- 3.8 Other Items

		X	066062	See comments below	\$36K	
		X	066065			
X			066076	Existing to remain &/or provide new stations.		
X				RE to notify for incident & status closure.		
	X					
X				TMC will contact TMT as needed.		
		X				
		X				

4.0 Construction Strategies

- 4.1 Delay damage clause
- 4.2 Night work
- 4.3 Weekend Work
- 4.4 Extended Weekend Closures
- 4.5 Planned Lane Closures
- 4.6 Planned Ramp Closures/Connector Closure
- 4.7 Total Facility Closure
- 4.8 Project Phasing
- 4.9 Truck Traffic Restrictions
- 4.10 Reduced Lane Widths
- 4.11 Temporary K-Rail
- 4.12 Temporary Traffic Screens
- 4.13 Reduced Speed Zones
- 4.14 Traffic Control Improvements

		X				
X				Per Lane Closure Charts		X
		X				
		X				
X				Per Lane Closure Charts		X
X				Per Lane Closure Charts		X
		X				
	X			As per stage construction if any.		
		X				
	X			Per drawings/data sheet if any.		
		X	129000			
		X	129150			
		X				
X				As necessary.		

4.0 Construction Strategies (Continued)

4.15 Contingency Plans

- 4.15.1 Material Plant on standby
- 4.15.2 Extra Critical Equipment on site
- 4.15.3 Material Testing Plan
- 4.15.4 Alternate Material on site
(In case of failure or major delays)
- 4.15.5 Emergency Detour Plan
- 4.15.6 Emergency Notification Plan
- 4.15.7 Weather Conditions Plan
- 4.15.8 Delay Timing and Documentation Plan
- 4.15.9 Late Closure Reopening Notification

- 4.16 Signal timing modification
- 4.17 Coordination with adjacent construction
- 4.18 Double Fine Zone (signs)
- 4.19 Right of Way Delay
- 4.20 ADA access to Pedestrian Facilities
- 4.21 Other Items

5.0 Demand Management

- 5.1 HOV Lanes/Ramps
- 5.2 Ramp metering
- 5.3 Park-and-Ride Lots
- 5.4 Parking Management/Pricing
- 5.5 Rideshare Incentives
- 5.6 Rideshare Marketing
- 5.7 Transit, Train, or Light-Rail Incentives
- 5.8 Transit Service Modification
- 5.9 Variable Work Hours
- 5.10 Telecommute
- 5.11 Other Items

6.0 Alternate Route Strategies

- 6.1 Ramp Closures
- 6.2 Street Improvements
- 6.3 Reversible Lanes
- 6.4 Temporary Lanes or Shoulders Use
- 6.5 Freeway to freeway connector closures
- 6.6 Other Items

7.0 Other Strategies

- 7.1 Application of new technology
- 7.2 District Lane Closure Review Committee
- 7.3 Other Items

REQUIRED	RECOMMENDED	NOT APPLICABLE	BEEES Item No.	COMMENTS	ITEM COST	REQUIRED IN SPEC.
X				Construction to determine items 4.15.1 thru. 4.15.9		X
	X					
X			07850	RE to confirm prior to scheduling of closures.		X
	X					
X			068022	Designer to determine costs for maintaining traffic	TBD	X
X				See comments below.		X
X				See comments below.		X

		X				
		X				
		X				
		X				
		X				
		X	068069			
		X	068068			
		X				
		X				
		X				
		X				

		X				
		X				
		X				
		X				
		X				
		X				

		X				
		X				
		X				

Comments:

- 1.4 Plan, progress/completion information should be available at Local Public Works, Chamber of Commerce Offices, and CT Maintenance Offices.
- 1.9 Impacted groups need to be notified and informed about upcoming construction. During construction, access across job site will be needed.
- 1.11 PIO estimated at \$2k/mo. Or per stage construction or per major milestone.
- 2.2 PCMS Estimate: 1 PAIR x 2 MO x \$8k/MO = 12k
- 3.1 COZEEP Estimate: 2CHP (\$90.00/hr) (10 hrs/day) (20 days) = \$36000 say \$36K
- 4.20 Ensure that temporary routes, which are provided around and through construction along pedestrian facilities under Caltrans jurisdiction, are accessible to persons with disabilities when provided.
- 4.21 RE/inspector shall maintain access to all business & residences at all times.

Approved by:


NABEEL BURHAN

DISTRICT TRAFFIC MANAGER

8/22/11
DATE

**CENTRAL REGION – DISTRICT 10
PSR/PSSR/PR REVIEW, SIGNATURE AND ROUTING SLIP**

EA: **10-0V490K**

DATE: **August 30, 2011**

ROUTE TO - NAME:	INITIAL	REVIEW DATE		COMMENTS
		Received	Released	
Terry Ogle Project Development Office Chief				
Tony Singh Project Manager <i>Signature Required</i>	IA	8/30	8/31	

SEND TO CENTRAL REGION FOR REVIEW / SIGNATURES

Central Region-PMSU Attention: Andrea Nason or Linda Araujo 2015 E. Shields Ave., Suite 100 Fresno, CA 93728 559-243-3434/559-243-3431				<input type="checkbox"/> PMCS / Pypscan Screen (as applicable) <input type="checkbox"/> SB45 (as applicable) <input type="checkbox"/> CTIPs (as applicable) <input type="checkbox"/> OPI (as applicable)
Teresa Rix, Chief, CR Program Management (& R. Polyack/STIP, S. Tracey/SHOPP Robert J. Johnson/ALL)				
Kim E. Anderson Chief, Central Region Project Development				
Christine Cox-Kovacevich Chief, Central Region Environmental (& C Yim)				
Spiros Karimbakas Chief, Central Region Right of Way Division James Gonzales) <i>Signature Required</i>	IG	8/31	8/31	
Brian Everson Chief, Central Region Program/Project Management				
Sharri Bender Ehler Interim District Director District 6 - Central Region <i>Transmittal memo Required</i>				
Return to CR-PMSU Andrea Nason or Linda Araujo 559-243-3434/559-243-3431				

SEND TO DISTRICT 10 FOR REVIEW / SIGNATURES

P/W Data sheet Pending 9/6/11

Deputy District Director, Planning / Maintenance Dennis Aguir	DA	9/8	9/8	
DINAH BORTNER Deputy District Director	DB	9/9	9/9	P/W data pending
CARRIE L. BOWEN District 10 Director <i>Signature Required</i>	CB		9/12	

D10 LAST – Virginia Medina (209) 948-7838

Return to CR-PMSU Andrea Nason or Linda Araujo 559-243-3434/559-243-3431				ELECTRONIC COPY ONLY
Return to Tony Singh, Project Manager or Caroline Reyes, Design Manager				ORIGINAL REPORT