

Small Capital Value Project, Project Initiation Document, To Request Programming in 2016 SHOPP

PROJECT LOCATION:

In Santa Barbara county from the Gaviota State Park Entrance on Route 101 to 0.2 miles north of Alisos Canyon Road.

APPROVAL RECOMMENDED:



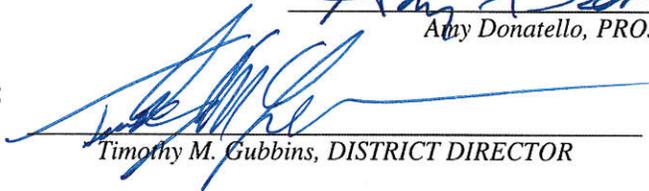
Dennis Reeves, DISTRICT PROGRAM MANAGER

APPROVAL RECOMMENDED:



Amy Donatello, PROJECT MANAGER

APPROVED:



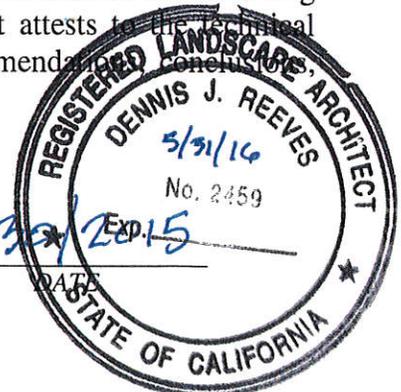
Timothy M. Gubbins, DISTRICT DIRECTOR

5/11/2015
DATE

This Project Initiation Document has been prepared under the direction of the following licensed landscape architect. The licensed landscape architect attests to the technical information contained herein and the data upon which recommendations and decisions are based.



Dennis Reeves, LICENSED LANDSCAPE ARCHITECT



Initiating Office/Initiator:

The Program Manager for the Roadside Safety Improvement Program has established this project meets the qualification for the 201.235 Roadside Safety Improvements Program.

This Project Initiation Document provides conceptual approval of the proposal and a recommendation to program the project into the current State Highway Operation and Protection Program. A project report will serve as final approval of the proposal.

Purpose and Need:

Purpose:

The roadsides of Route 101 in the project limits have not been updated for many years and the Department has placed greater emphasis on maintenance worker safety and roadside maintainability. This project will help correct these problems and create safer work environment for maintenance personnel.

Need:

Identified areas within the project limits frequently expose maintenance workers to high speed traffic. The maintenance exposure to traffic will be reduced by correcting the identified deficiencies. Some areas of concern are paving beyond the gore, vegetation control under guardrail, and improving drainage structures. There is also the need for maintenance vehicle pullouts and an improved gore sign anchor system.

Deficiency Summary:

Deficiency corrections include adding maintenance vehicle pullouts, paving beyond the gores, and vegetation control under guardrail. Other corrections for deficiencies also include improving drainage structures and providing improved gore sign anchors to provide a safer work environment for maintenance personnel, as well as the travelling public.

Project Proposal:

This project will improve safety at 56 locations for maintenance workers and the travelling public. The project will improve safe access for maintenance workers and vehicles to be on the roadside, and will reduce life cycle cost. The project proposes to replace gore sign anchors, apply paving beyond the gores, and add maintenance vehicle

pullouts. The project will also apply vegetation control under guardrail and improve drainage structures.

R/W: All work will be conducted within the State Right of Way. At this point no utilities are expected to be relocated however any location that has Right of Way or utility relocation issues would be further evaluated by the PDT for possible exclusion from the project scope. A Right of Way Data Sheet was completed on March 27, 2015.

Hazardous Waste: No hazardous waste impacts are expected with this project.

Stormwater: A storm water data report has been developed and will be updated at each milestone of the project.

Environmental: A Micro-Preliminary Environmental Analysis Report was completed for this project on March 18, 2015. The assumption for this project is that in the event any environmental resources or concerns are discovered at one or more of the identified 56 locations, the proposed location(s) would be further evaluated by the PDT for possible exclusion from the project scope.

Funding/Programming

It has been determined that this project is eligible for federal-aid funding.

Capital Outlay Support and Project Estimates

Fund Source	Fiscal Year Estimate				
	2016/17	2017/18	2018/19	2019/20	Total
20.XX.201.235					
Component	In thousands of dollars (\$1,000)				
R/W Capital		3			3
Construction Capital				2578	2578
Subtotal Capital		3		2578	2581
PA&ED Support	520				520
PS&E Support		840			840
R/W Support	34				34
Construction Support				698	698
Subtotal Support	554	840		698	2092
Total Project Cost	554	843		3276	4673

Note: All costs X \$1,000. Support categories are the same as those identified by SB 45. Support Costs escalated at 5% for all years. Construction Capital escalated at 5% per year. Right of Way Capital estimate is escalated at 5% per year. Support Cost ratio: 81% (All Support Costs divided by the sum of the escalated Construction Capital and escalated R/W Capital.

Schedule:

HQ Milestones	Milestone	Delivery Date (Month/Year)
Program Project	M015	July 2016
Begin Environmental	M020	October 2016
PA & ED	M200	October 2017
Regular Right of Way	M225	December 2017
Project PS&E	M377	October 2019
Right of Way Certification	M410	October 2019
Ready to List	M460	February 2020
Approve Contract	M500	July 2020
Contract Acceptance	M600	February 2020

Cost Estimate:

<u>Access Work</u>	<u>Yes/No</u>	<u>Quantity</u> <u>(unit)</u>	<u>Cost</u>
(A) Access Gates - Personnel	_____	_____	_____
(B) Access Gates - Equipment	_____	_____	_____
(C) Light Duty Access Trails	_____	_____	_____
(a) All Weather Surface	_____	_____	_____
(b) Graded Surface	_____	_____	_____
(D) Shoulder Widening/Turnouts	_____	_____	_____
(a) Paved Surface	_____	_____	_____
(b) All Weather Surface	_____	_____	_____
(c) Graded Surface	_____	_____	_____
(E) Staircases	_____	_____	_____
(F) Maintenance Vehicle Pullout	_____	_____	_____
(a) Large Standard-Equip.	_____	_____	_____
(b) Standard	_____	_____	_____
(G) Chain Link Gate (Type CL-6)	Yes	1 (ea)	\$3,000
COSTS SUBTOTAL			\$3,000

<u>Vegetation Control Work</u>	<u>Yes/No</u>	<u>Quantity</u> <u>(unit)</u>	<u>Cost</u>
(A) Vegetation control under Metal Beam Guard Rail	Yes	1800 (sqyd)	\$108,000
(B) Vegetation control under Thrie Beam Barrier	_____	_____	_____
(C) Vegetation control around sign posts	_____	_____	_____
(D) Paving narrow areas	_____	_____	_____
(E) Paving areas beyond the gore	Yes	_____	\$1,117,000
(F) Vegetation control Slope Paving	_____	_____	_____
(G) Tree removal	_____	_____	_____
(H) Mulch	_____	_____	_____
(I) Erosion Control	Yes	1(ls)	\$25,000
(J) Prune Existing Plant Material	_____	_____	_____
COST SUBTOTALS			\$1,250,000

<u>Facility Relocation Work</u>	<u>Yes/No</u>	<u>Quantity</u> <u>(unit)</u>	<u>Cost</u>
(A) Traffic Rated Pull boxes-place	_____	_____	_____
(B) Pole mounted Elec. Service-relocate	_____	_____	_____

(C) 480V. to 240V. Elec.-replace	_____	_____	_____
(D) Electrical cabinet-relocate	_____	_____	_____
(E) Traffic control boxes	_____	_____	_____
(F) Irrigation control boxes	_____	_____	_____
(G) Irrigation equipment-CCA-relocate	_____	_____	_____
COST SUBTOTALS			

Additional Work	Yes/No	Quantity (unit)	Cost
(A) Traffic Control	Yes	1 (ls)	\$100,000
(B) Earthwork	_____	_____	_____
(C) Striping	_____	_____	_____
(D) Clearing and Grubbing	Yes	1(ls)	\$30,000
(E) Roadside clearing	_____	_____	_____
(F) Plant Establishment - 6 months	_____	_____	_____
(G) Drainage adjustment and rehab.	Yes	3(ea)	\$30,000
(H) Guardrail (include remove and replace)	_____	_____	_____
(a) Metal Beam-Remove	_____	_____	_____
(b) Metal Beam-Place	_____	_____	_____
(c) Concrete-Place	_____	_____	_____
(I) Gore Signs (Type 2)	Yes	21(ea)	\$10,000
(J) New OH Sign Electrical Cabinets	_____	_____	_____
(K) Utility Relocation	_____	_____	_____
(L) Railroad Agreements	_____	_____	_____
(M) Environmental Mitigation	_____	_____	_____
(N) Relocation of Materials	_____	_____	_____
(O) Supplemental Items	Yes	1(ls)	\$175,000
(P) Water pollution control	Yes	1 (ls)	\$30,000
(Q) ADL Testing and Compliance	Yes	1 (ls)	\$10,000
(R) Resident Engineers Office	Yes	1 (ls)	\$45,000
COST SUBTOTALS			\$430,000
SUM OF SUBTOTALS			\$1,683,000
20% Contingency			\$336,600
TOTAL CONSTRUCTION COST			\$2,019,600

Attachments:

SEE ATTACHMENT A

SHOPP Performance Output Worksheet

SEE ATTACHMENT B

Micro-Preliminary Environmental Analysis Report

SHOPP Project Performance Output

Update Date: 3/23/2015		Source	Program	Fiscal	RTL	Programming Information (\$1,000)			
District - County - Rte -PM		EA	PPNO	Code	Year	Date	R/W \$x	Construction \$2,046	Support \$x,xxx
05-SB-101-46.5/68.9		1E000	2460	201.235	2020	8/9/2019	Project Manager : Amy Donatello		
Location: In and near Buellton from Gaviota State Park Entrance to Alisos Cyn Rd						HQ Program Manager: Keith Robinson			
Project Discription: Roadside Safety and Maintenance Worker Safety									
PROGRAM	ACCT. CODE 20.XX.	Quantity of Performance Output					CCA	After Constr uction	PERFORMANCE units
		Ten Year Plan	PID	PA&ED	RTL	CCA			
Approval Date		2013	4/2015						
Construction Cost (\$1,000)		\$1,300		Output Cost			Output Cost		
Right of Way Cost (\$1,000)		\$0		(\$1,000)			(\$1,000)		
Support Cost Cost (\$1,000)		\$420							
EMERGENCY RESPONSE									
Major Damage Restoration	201.130								Locations
Permanent Restoration	201.131								Locations
COLLISION REDUCTION									
Safety Improvements	201.010								Collision Reduce
Collision Severity Reduction	201.015								Collision Reduce
Median Barrier Upgrade	201.020								Centerline Miles
MANDATES									
Relinquishments	201.160								Lane Miles
Noise Attenuation for Schools	201.270								Locations
Railroad	201.325								Locations
Hazardous Waste Mitigation	201.330								Locations
Storm Water	201.335								Acres Treated / Pollutant
ADA Compliance	201.361								Curb Ramps
SHOPP TEA	201.736								Locations
BRIDGE PRESERVATION									
Bridge Rehabilitation	201.110								Bridges
Bridge Scour Mitigation	201.111								Bridges
Bridge Rail Replacement/Upgrade	201.112								Linear Feet
Bridge Seismic Restoration	201.113								Bridges
Bridge Widening	201.114								Bridges
Trans Permit Requirements for Bridges	201.322								Bridges
ROADWAY PRESERVATION									
Roadway Rehabilitation (3R)	201.120								Lane Miles
Pavement Preservation (CAPM)	201.121								Lane Miles
Pavement Rehabilitation (2R)	201.122								Lane Miles
Long-Life Pavement Corridors (4R)	201.125								Lane Miles
Roadway Protective Betterment	201.150								Locations
Drainage System Restoration	201.151								Culverts
Signs and Lighting Rehabilitation	201.170								Signs Light Fixtures
MOBILITY									
Operational Improvements	201.310								Daily Vehicle Hours of delay
Transportation Management Systems	201.315								Field Elements
Truck Inspection & WIM Facilities	201.321								Miles of fiber Locations
ROADSIDE PRESERVATION									
Highway Planting Rehabilitation	201.210								Acres
Roadside Safety Improvements	201.235	24	56	\$36,536					Locations
Roadside Protection and Restoration	201.240								Locations
Safety Roadside Rest Area Rehabilitation	201.250								Locations
New Safety Roadside Rest Areas	201.260								Locations
FACILITIES									
Equipment Facilities	201.351								Locations
Maintenance Facilities	201.352								Locations
Office Buildings	201.353								Locations
Materials Lab	201.354								Locations
Additional Performance Units									
Paved Shoulders									



Micro-Preliminary Environmental Analysis Report

Project Information

District 05	County SB	Route 101	Post Mile 46.5/68.9	Project ID 0513000023	EA 05-1E000K
Project Title: North SB County Roadside Safety Improvements					
Project Manager Amy Donatello				Phone # 805-549-3014	
Project Engineer Kristen Langager				Phone # 805-549-3311	
Environmental Manager Matt Fowler				Phone # 805-542-4603	
PEAR Preparer Michael H. Thomas				Phone # 805-549-3023	

Project Description

Description of work

The project proposes to replace gore sign anchors, apply paving beyond the gores, and add maintenance vehicle pullouts. The project will also apply vegetation control under guardrail and improve drainage structures

Purpose and Need

Purpose:

To improve safety for maintenance workers and the traveling public through reducing worker exposure to high speed traffic while performing maintenance activities on Highway 101 in Santa Barbara County.

Need:

Within the project limits maintenance workers are frequently exposed to high speed traffic. The maintenance exposure to traffic will be reduced by correcting the identified deficiencies. Some areas of concern are paving beyond the gore for vegetation control, vegetation control under guardrail, and improving drainage structures. There is also the need for maintenance vehicle pullouts and an improved gore sign anchor system to current design standards.

Summary Statement

A Categorical Exemption under CEQA and a Categorical Exclusion under NEPA are anticipated for this project. This environmental document level was scoped based on a *preliminary* review of the potential resources within the project limits. Field studies were not conducted, and technical studies have been deferred to the 0 Phase. In addition, this determination is based on the following assumptions and risks:

- It is assumed that no sensitive environmental resources are present within the project footprint or that any resources present can be avoided.
- It is assumed that a Biological Opinion or a programmatic Biological Opinion are not needed for this project.

If during formal studies the project has the potential to significantly impacts resources, determination of the environmental document type will be selected as appropriate.

Anticipated Environmental Schedule

The total time anticipated for environmental approval is approximately 12 months after approval of the "Begin Environmental" request.

Disclaimer

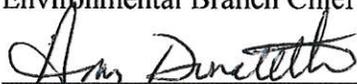
This report is not an environmental document or determination. The above information and recommendations are based on the project description provided in this report. The discussion and conclusions provided by this Micro-PEAR are approximate and based on a *cursory* review of existing records, databases, and mapping tools to estimate the potential for probable environmental effects. The purpose of this report is to provide a preliminary level of environmental analysis to support the Project Initiation Document. Changes in project scope, alternatives, existing environmental conditions, and/or environmental laws or regulations will require a re-evaluation of this report.

Approval



Environmental Branch Chief

Date: 03/18/15



Project Manager

Date: 03/18/15

Central Region Environmental Division Mitigation Compliance Cost Estimate (MCCE)

This MCCE is for: **PEAR**

Dist - Co - Rte - PM: 05-SB-101-46.5/90.8

EA: 05-1E000

Project Name: North Santa Barbara County Roadside Safety

Alternative #: _____

Project Description: ROADSIDE SAFETY IMPROVEMENTS

(If applicable)

Environmental Senior: Matt Fowler

Phone Number: 805-542-4603

Design Manager: Dennis Reeves

Phone Number: 8105-549-3509

Design Engineer: Kristen Langager

Phone Number: 805-549-3311

Project Manager: DONATELLO, AMY L

Phone Number: (805) 549-3014

Date: 3/11/2015

MCCE Prepared By: Michael H. Thomas

Phone Number: 805-549-3023

Right of Way Capital (Prior to Construction Capital (During FY \$\$ Construction 050-\$'s) & Post Construction 042-\$'s) Needed

	Acres	Dollars	FY \$\$ Needed
<u>Archaeological</u>			
<u>Architectural History</u>			
<u>Paleontology</u>			
<u>Hazardous Waste</u>			
<u>Air Emissions</u>			
<u>Biological</u>			
<u>Mitigation parcels (acre/dollars)</u>	/		
<u>Mitigation/Bank Credits (acre/dollars)</u>	/		
<u>Monitoring</u>			
<u>Permit Fees</u>			
<u>CDFW Document Filing Fee</u>			
<u>Other</u>		\$0	\$0
<u>Other</u>			
TOTAL		\$0	\$0

Approved By: _____


Environmental Branch Chief

Date: 03/15/16

If mitigation totals more than \$1,000,000:

Environmental Office Chief

Date: _____

If Right of Way Capital (050) is needed:

Right-of-Way Office Chief, Mitigation

Date: _____