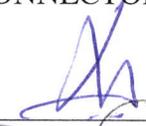


SMALL CAPITAL VALUE PROJECT Request Programming in 2010 SHOPP

PROJECT LOCATION: ROUTE 55 SB ON CONNECTOR FROM EB ROUTE 22

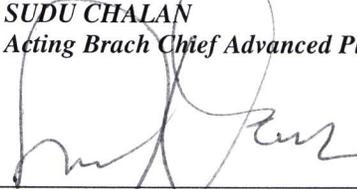
APPROVAL RECOMMENDED:



SUDU CHALAN
Acting Brach Chief Advanced Planning Studies

06/17/2011

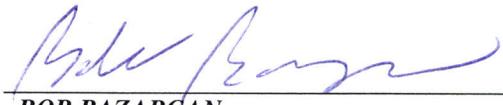
APPROVAL RECOMMENDED:



JASON OSMAN
Brach Chief Traffic Studies / District Traffic Safety Engineer

6-20-11

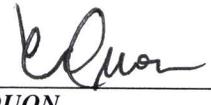
APPROVAL RECOMMENDED:



BOB BAZARGAN
Project Manager

6/17/2011

APPROVED



CINDY QUON
District Director

6/23/11

DATE

This project initiation document 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.



JANILEE JABLONSKI
Project Engineer

6/17/2011

DATE



Initiating Office/Initiator:

The Program Manager for District 12 Traffic Safety Branch / Safety Program Improvement has established that a project is needed and that it meets the qualification for the SHOPP Safety Improvement Program.

This safety project proposes to fund an amount of \$400,000 to place Open Graded Friction Course (OGFC), formerly known as open graded asphalt concrete (OGAC) on RTE 55 SB on connector from EB RTE 22. This safety project will be funded from the SHOPP Safety Improvement Program, program code 20.10.201.010 in the Fiscal Year 2011/2012.

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:

It is proposed to place 1.25 inches OGFC on RTE 55 SB on connector from EB RTE 22. The primary benefit of using OGFC is the improvement of wet weather skid resistance, reduced potential for hydroplaning, reduced water splash and spray, and reduced night time wet pavement glare. Secondary benefit include better wet-night visibility of traffic lane stripes and pavement markers, and better wet weather (day and night) delineation between traveled way and shoulders.

Need:

The project is RTE 55 SB on connector from EB RTE 22. TASAS Table B data taken between April 1, 2004 and March 31, 2009 indicated that there were 25 accidents. Of the 25 accidents, 10 occurred during wet conditions. The data from the three years the Table "C" investigation revealed that 50% were overturn, 33.3 % were hit object, and 16.7 % were rear end mainly due to speeding (66.7%) and improper turn (33.3%).

Deficiency Summary:

The connector geometrically conforms to the Highway Design Manual design standards.

Project Proposal

The project proposes to place 1.25 inches OGFC on RTE 55 SB on connector from EB RTE 22 and reestablish its pavement markings and striping. The existing pavement structural sections of the connector are the following: 0.60' AC (Type B), 0.25' ATPB, 1.60' AB (CL 2).

The project also proposes to remove existing drainage headwall located at approximately Conn "E" station 142+00 left and replace with GCP inlet. Additionally, the project would propose to remove existing metal beam guard railing (MBGR) located at beginning of sound wall at Conn "E" station 129+50 left and replace with transition railing type WB at the wall and install MBGR to connect to Tustin Ave UC bridge (Br. No 55-0385R) railing. The project also proposes to install transition railing (Type WB) at Tustin Ave UC bridge right side approach.

The connector was reconstructed in 1995 under Contract No. 12-013404. Project Contract No.12-0G9804 installed street lights along the connector and project Contract No. 12-071614 constructed sound wall along the connector as part of RTE 22 widening project.

R/W:

All works are within state's right of way. There are no utility works within the project limits.

Disposal Site:

Hazardous waste disposal would be addressed in the next phase of the project.

Utilities:

There are no utility works within the project limits.

Environmental:

The appropriate environmental document would be prepared in the next stage of the project.

Programming

PROJECT CAPITAL COST		
Fiscal Year	Right of Way Capital	Construction Capital
FY11/12	\$0	\$400,000

	PROJECT SUPPORT COMPONENTS								
	PA&ED 0 Phase		Design 1 Phase		Right of Way 2 Phase		Construction 3 Phase		Total
	Dist	DES	Dist	DES	Dist	DES	Dist	DES	
Estimated PY's	0.27	0.01	1.18	0.24	0	0	0.57	0.01	2.27

Schedule:

HQ Milestones	Delivery Date (Month, Day, Year)
PA & ED	12/01/2011
Project PS&E	04/01/2012
Right of Way Certification	05/01/2012
Ready to List	07/01/2012
Approve Contract	11/15/2012
Contract Acceptance	05/15/2013
End Project	01/01/2014

Attachments:

- 1) Exhibit A
- 2) Project Cost Estimate Summary
- 3) Short Form - Storm Water Data Report

PROJECT COST ESTIMATE SUMMARY

12-ORA-Route-55
PM 12.71

EA 0M000K
EFIS 1200020261
Program Code: 20.10.201.010
SMALL CAPITAL VALUE PROJECT

PROJECT DESCRIPTION:

Project Location

Route 55 SB connector from Route 22 EB

Proposed

Place 1.25 inches Open Graded Friction Course pavement on Rte 55 SB on connector from EB Rte 22 and restripe.

ROADWAY ITEMS **\$400,000**

STRUCTURE ITEMS **\$0**

SUBTOTAL CONSTRUCTION **\$400,000**

(TO BE UPDATED)

RIGHT OF WAY (Current Value) **\$0**

TOTAL PROJECT COST	\$400,000
---------------------------	------------------

I. ROADWAY ITEMS

SECTION 1 Earthwork

<u>Item No</u>	<u>Earthwork</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
	Minor grading	1	LS	\$6,000	\$6,000	
				<u>Total Earthwork</u>		<u>\$6,000</u>

SECTION 2 Structural Section

<u>Item No</u>	<u>Structural Section</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
	Open Graded Friction Course	538	TON	\$200	\$107,670	
	AC dike	1	LS	\$2,000	\$2,000	
				<u>Total Structural Items</u>		<u>\$109,670</u>

SECTION 3 Drainage

<u>Item No</u>	<u>Drainage</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
	Misc. Drainage	1	LS	\$30,000	\$30,000	
				<u>Total Drainage</u>		<u>\$30,000</u>

SECTION 4 Specialty Items

<u>Item No</u>	<u>Specialty</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Item Cost</u>	<u>Section Cost</u>
074016	Construction Site Management	1	LS	\$13,000	\$13,000	
066596	Additional Water Pollution Control	1	LS	\$1,000	\$1,000	
074047	Prepare Water Pollution Control Program	1	LS	\$1,000	\$1,000	
066595	Water Pollution Control Maintenance	1	LS	\$1,000	\$1,000	
066105	RE Office	1	LS	\$6,000	\$6,000	
	Remove MBGR	1	LS	\$3,000	\$3,000	
	Transition Railing (Type WB)	2	EA	\$3,500	\$7,000	
	Metal Beam Guard Railing	150	FT	\$70	\$10,500	
190110	Lead Compliance Plan	1	LS	\$3,000	\$3,000	
				<u>Total Specialty Items</u>		<u>\$45,500</u>

II. STRUCTURE ITEMS

TOTAL STRUCTURES ITEMS

\$0

III. RIGHT OF WAY

	Current Values (Future Use)	Escalation Rates	Escalated Values
Acquisition, including excess Lands, Damages,	\$0	10%	\$0
Utility Relocation (State share)	\$0	0%	\$0
Relocation Assistance	\$0	10%	\$0
Clearance/ Demolition	\$0	10%	\$0
Title and Escrow Fees	\$0	10%	\$0
Total Estimated Cost	\$0		

TOTAL RIGHT OF WAY (ITEMS)**

\$0

USED

\$0

Anticipated Date of Right of Way Certification
(Date to which Values are Escalated)

n/a

Construction Contract Work

Brief Description of Work

Right of Way Branch Cost Estimate for Work*

*This dollar amount is to be included in the Roadway and/or Structures Items of Work, as appropriate. Do not include in Right of Way Items.

COMMENTS:



Dist-County-Route: 12-Ora-SR 55 _____
 Post Mile Limits: 12.71 _____
 Project Type: SAFETY IMPROVEMENT _____
 Project ID (or EA): 1200020261 _____
 Program Identification: 20.10.201.010 _____
 Phase: PID
 PA/ED
 PS&E

Regional Water Quality Control Board(s): Santa Ana _____

- | | | | |
|----|--|------------------------------|--|
| 1. | Is the project required to consider incorporating Treatment BMPs? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 2. | Does the project disturb 5 or more acres of soil? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 3. | Does the project disturb more than 1 acre of soil and not qualify for the Rainfall Erosivity Waiver? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 4. | Does the project potentially create permanent water quality impacts? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| 5. | Does the project require a notification of ADL reuse | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

If the answer to any of the preceding questions is "Yes", prepare a Long Form – Storm Water Data Report.

Estimate Construction Start Date: 09/15/2012 _____ Construction Completion Date: 02/01/2013 _____
 Separate Dewatering Permit (if yes, permit number) Yes Permit # _____ No
 Erosivity Waiver Yes Date: _____ No

This Short Form – Storm Water Data Report has been prepared under the direction of the following Licensed Person. The Licensed Person attests to the technical information contained herein and the data upon which recommendations, conclusions, and decisions are based. Professional Engineer or Landscape Architect stamp required at PS&E.

Janilee Jablonski _____ 05/10/2011
 Janilee Jablonski, Registered Project Engineer Date

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

[Signature] _____ 5/10/2011
 Grace Pina-Garrett, District/Regional SW Coordinator Date

[Stamp Required for PS&E only]

1. Project Description

- The project proposes to place 1.25 inches OGFC on Rte 55 SB On connector from Rte 22 EB with and reestablish its pavement markings and striping. The existing pavement structural sections of the connector are the following: 0.60' AC (Type B), 0.25' ATPB, 1.60' AB (CL 2). The project also proposes to remove existing drainage headwall located at approximately Conn "E" station 142+00 left and replace with GCP inlet. Additionally, the project would propose to remove existing metal beam guard railing (MBGR) located at beginning of sound wall at Conn "E" station 129+50 left and replace with railing type WB at the wall and install MBGR to connect to Tustin Ave UC bridge railing.
- The connector was reconstructed in 1995 under Contract No. 12-013404. Project Contract No.12-OG9804 installed street lights along the connector and project Contract No. 12-071614 constructed sound wall along the connector as part of Rte 22 widening project.
- Total disturbed soil area (DSA) in the project is less than 1.0 acre. The project solely maintains the original line and grade, hydraulic capacity, and original purpose of the freeway connector.
- The receiving body of water within the project limit is Santiago Creek Channel.

2. Construction Site BMPs

- A Water Pollution Control Program (WPCP) would be used for this project.
- Coordination with Construction to determine the appropriate selection of Construction Site BMPs would be done during PS&E phase.
- Construction Site management will cover temporary BMPs related to waste management, materials handling, street sweeping, and non-storm water BMPs.

3. Required Attachments¹

- Vicinity Map
- Evaluation Documentation Form

¹ Additional attachments may be required as applicable or directed by the District/Regional Design Storm Water Coordinator (e.g. BMP line item estimate, DPP, CS checklists, etc).

Evaluation Documentation Form

DATE: April 2011

Project ID (or EA): 12-00020261

NO.	CRITERIA	YES ✓	NO ✓	SUPPLEMENTAL INFORMATION FOR EVALUATION
1.	Begin Project Evaluation regarding requirement for consideration of Treatment BMPs	✓		See Figure 4-1, Project Evaluation Process for Consideration of Permanent Treatment BMPs. Go to 2
2.	Is this an emergency project?		✓	If Yes , go to 10. If No , continue to 3.
3.	Have TMDLs or other Pollution Control Requirements been established for surface waters within the project limits? Information provided in the water quality assessment or equivalent document.		✓	If Yes , contact the District/Regional NPDES Coordinator to discuss the Department's obligations under the TMDL (if Applicable) or Pollution Control Requirements, go to 9 or 4. _____ (Dist./Reg. SW Coordinator initials) If No , continue to 4.
4.	Is the project located within an area of a local MS4 Permittee?	✓		If Yes , go to 5. If No , document in SWDR go to 5.
5.	Is the project directly or indirectly discharging to surface waters?	✓		If Yes , continue to 6. If No , go to 10.
6.	Is it a new facility or major reconstruction?		✓	If Yes , continue to 8. If No , go to 7.
7.	Will there be a change in line/grade or hydraulic capacity?		✓	If Yes , continue to 8. If No , go to 10.
8.	Does the project result in a <u>net increase of one acre or more of new impervious surface</u> ?			If Yes , continue to 9. If No , go to 10. _____ (Net Increase New Impervious Surface)
9.	Project is required to consider approved Treatment BMPs.			See Sections 2.4 and either Section 5.5 or 6.5 for BMP Evaluation and Selection Process. Complete Checklist T-1 in this Appendix E.
10.	Project is not required to consider Treatment BMPs. _____ (Dist./Reg. Design SW Coord. Initials) _____ (Project Engineer Initials) <u>5/10/2011</u> (Date)	✓		Document for Project Files by completing this form, and attaching it to the SWDR.

