San Luis Obispo County Bicycle Advisory Committee Agenda - Tuesday, February 9th, 2016 at 6:00 p.m.

San Luis Obispo County Government Center 1055 Monterey Street Room 161/162 San Luis Obispo CA 93408

The Bicycle Advisory Committee promotes the expanded use of bicycle transportation by working together with County staff to develop the County Bikeways Plan, reviewing the Plan and presenting a recommendation to the Board of Supervisors for its adoption; by reviewing the policies and programs related to bicycling in the Circulation Element of the County General Plan and Local Coastal Plan and making recommendations on the goals and their implementation to the Board of Supervisors; and by reviewing the policies and programs related to bicycling in the Bikeways Element of the Regional Transportation Plan and providing input to the Board of Supervisors on the goals and their implementation.

1. Call to order/ Thank you

2. Recognize Members and Guests

3. Roll Call/Contact List

4. Public Comment

Members of the audience wishing to address the Board on pertinent matters other than scheduled agenda items may do so at this time when recognized by the Chair. Upon recognition by the Chair, please state your name and address. Comments are limited to three minutes. In accordance with the Brown Act, the Board cannot discuss any matter unless it is listed on the agenda, but may agendize such matters for consideration at a future meeting.

5. **Reports**

- I. County Parks
- II. SLOCOG
- III. County Public Works
 - i. Sign, striping, and overlay updates
 - ii. Sharrow Requests
- IV. County Planning
- V. BAC Chairperson
- VI. Caltrans

6. **Presentations**

- A. SLOCOG Prioritizing Projects for the Regional Transportation Plan, Transportation Funding

 Flint Consulting
- B. Caltrans US 101 North Paso Rehab Project Amy Donatello from Caltrans

7. BAC Business & Discussion

- C. Minutes of 11/10/2015
- D. Bikeway Class Modifications (Ardath Drive, Burton Drive, K Street, San Luis Obispo Road)
- E. Bike Plan
 - a. Public Review Draft
 - b. Schedule

8. Future Agenda Items

- H. Avila Beach Drive Interchange Improvements Caltrans
- I. Oceano Revitalization Plan Public Works
- 9. Adjourn Next meeting May 10th, 2016

STAFF REPORT (1 OF 4) San Luis Obispo County Bicycle Advisory Committee Tuesday, February 9, 2016 at 6:00 p.m.

6. **Presentations**

A. <u>SLOCOG Prioritizing Projects for the Regional Transportation Plan, Transportation Funding – Flint Consulting</u>

Recommendation: Receive report and provide input.

Discussion: Presentation to be provided at meeting.

Results: Update RTP with project priorities and funding plan.

B. <u>Caltrans US 101 North Paso Rehab Project – Amy Donatello from Caltrans</u> *Recommendation: Receive report and provide input.*

Discussion: Project fact sheet <u>attached</u>. Project manager to be in attendance.

Results: Receive public input on proposed bike closure.

US 101 North Paso Rehab Project



US 101 TEMPORARY CLOSURE FOR BICYCLISTS PLANNED

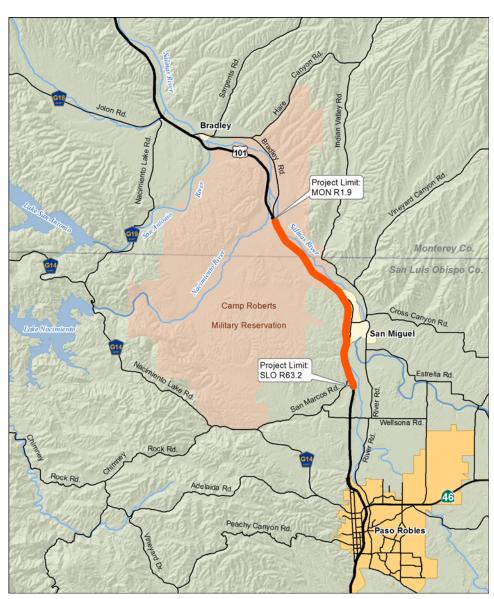
During construction of this project, Caltrans plans to close eight miles of US 101 to bicyclists from just south of San Marcos Creek Bridge, near the San Miguel community, in San Luis Obispo County to just south of the East Garrison overcrossing, south of Bradley, in Monterey County. Bicyclists are expected to use alternate routes until the project is completed.

TEMPORARY CLOSURE TIMEFRAME

Start – Fall 2016 **End** – Fall 2018

PUBLIC INPUT

Caltrans invites public input on this closure. Once we receive all the comments, we will notify the public on the next steps.



Proposed closure to bicyclists during construction throughout the project limits

California Department of Transportation

Monterey - San Benito - San Luis Obispo - Santa Barbara - Santa Cruz

District 5, Higuera Street, San Luis Obispo, California 93401 District 5 Public Information Office (805) 549-3318 www.dot.ca.gov/dist05 email: Info-d5@dot.ca.gov



PROJECT PURPOSE

The purpose of the project is to prevent further deterioration of the pavement and reduce the cost of future maintenance, while upgrading the facility to current Caltrans standards.

ESTIMATED CONSTRUCTION COST

\$56 million – State Highway Operation and Protection Program (SHOPP) funding

MAJOR PROJECT FEATURES

- Reconstruct 8 miles of US 101 in both directions.
- Realign South San Miguel (Mission Street) southbound on-ramp, so it merges to the right side of the through traffic instead of the left:
 - Construct new bridge within the realigned section adjacent to existing northbound bridge.
 - Construct retaining wall approximately 650 feet in length and with a variable height of 5 to 12 feet to the right side of the new ramp.
 - Southbound South San Miguel (Mission Street) on-ramp closure for about 9 months. Access will be permitted through 10th Street and Cemetery Road to existing southbound on-ramp at the end of Cemetery Road.
- Replace US 101 northbound and southbound San Marcos Creek bridges:
 - During construction, reduce northbound and southbound lanes to one lane in each direction over the San Marcos Creek for about 12 months.
- Widen the highway's outside shoulders from 8 to 10 feet, and inside from 2 to 5 feet.
- Achieve minimum clearance height under US 101 by lowering the roadway beneath the following undercrossings: South San Miguel (Mission Street), 10th Street, southbound north San Miguel and Camp Roberts overhead.
- Install new and/or upgrade existing guardrail.
- Reconstruct drainage and ramp systems.
- Install lighting at the on/off ramps in 5 locations.
- Provide an additional 20 years of facility service life.

LANE CLOSURES

During construction, daily periodic lane closures on US 101 in both directions are expected within the project limits. One lane will remain open in each direction at all times.

PROJECT SCHEDULE

Construction Start – Fall 2016 Construction Complete – Fall 2018

SUBMIT COMMENTS BY TUESDAY, FEB. 9, 2016

Caltrans Project Manager Amy Donatello 50 Higuera Street San Luis Obispo, CA 93401 805-549-3014 Amy.donatello@dot.ca.gov

California Department of Transportation

Monterey - San Benito - San Luis Obispo - Santa Barbara - Santa Cruz

District 5, Higuera Street, San Luis Obispo, California 93401 District 5 Public Information Office (805) 549-3318 www.dot.ca.gov/dist05 email: Info-d5@dot.ca.gov



STAFF REPORT (2 OF 4) San Luis Obispo County Bicycle Advisory Committee Tuesday, February 9, 2016 at 6:00 p.m.

7. BAC Business & Discussion

A. Minutes of 11/10/2015

Recommendation: Approve the Minutes of the 11/102015 BAC meeting.

Discussion: Minutes have been prepared and are <u>attached</u>.

Results: Adopted minutes will be placed on website and become part of public record.

B. Bikeway Class Modifications

Recommendation-

Designate Class III Bike Route on:

- Ardath Drive from Highway 1 to Madison Street
- Burton Drive from Highway 1 to Ardath Drive
- K Street from Tenth Street to San Luis Obispo Road
- San Luis Obispo Road from K Street to Mission Street

- (4) Class III Bikeway (Bike Route). Bike routes are shared facilities which serve either to:
 - (a) Provide continuity to other bicycle facilities (usually Class II bikeways); or
 - (b) Designate preferred routes through high demand corridors.

As with bike lanes, designation of bike routes should indicate to bicyclists that there are particular advantages to using these routes as compared with alternative routes. This means that responsible agencies have taken actions to assure that these routes are suitable as shared routes and will be maintained in a manner consistent with the needs of bicyclists. Normally, bike routes are shared with motor vehicles. The use of sidewalks as Class III bikeways is strongly discouraged.

Discussion:

- Ardath Drive from Highway 1 to Madison: Currently no bikeways are identified in the southwest quadrant of Cambria. Proposed Class III will designate route from Highway 1 to Madison Street where road forks. HDM language included. Ardath is a 30mph road with a centerline and lower than average collision rate. Other roads in the area do not provide direct access and many are unpaved. BAC has driven route since November 2016 meeting.
- Burton Drive from Highway 1 to Ardath Drive would provide continuity between the existing Class III on Burton north of Highway 1 and Ardath Drive (if designated).
- K Street/San Luis Obispo Road (10th Street to Mission Street): Per request of San Miguel Advisory group designate K Street and San Luis Obispo Road as Bike Routes. Currently there is a proposed Class II on 10th Street. Advisory group believes this is too steep. Staff is proposing to keep the future Class II and provide an alternate Bike Route with lesser topography.

Results: Reclassification of these bikeways will facilitate a complete bicycle network leading to a safe and livable community.

San Luis Obispo County Bicycle Advisory Committee DRAFT Minutes - Tuesday, November 10th, 2015 at 6:00 p.m.

San Luis Obispo County Government Center 1055 Monterey Street Room 161/162 San Luis Obispo CA 93408

1. Call to order/ Thank you

Josh Olejczak called the meeting to order.

2. Recognize Members and Guests

New District 5 member Claudia Callwood was in attendance.

3. Roll Call/Contact List

BAC Members: Robert Davis, Ed Goshorn, Bill Kennedy (ABSENT), Ken Price, Josh Olejczak, Claudia Callwood, Skip Amerine, William Van Orden (ABSENT), Dale Sutliff, Michael McMahon (ABSENT)

Staff Present: Michelle Matson (PW Secretary), Shaun Cooper (County Parks and Recreation), Jeff Brubaker (SLOCOG), Dave Flynn (PW),

Trail Committee Members/Staff Present: Shelia Patterson, Patty Fuller, Kathy Longacre, Greg Bettencourt, Carolyn Huddleston, Dorothy Jennings, Kelli Schonher, Helene Finger, Larry Iaquinto (County Parks and Recreation)

4. Public Comment

Kathy Longacre from the Trails Committee mentioned Forrest Service agreement on HI Mountain Road to allow continued use as a Trail. Trails Committee is writing letter of support for County to come to Joint Agreement for maintenance.

5. **Reports**

A. County Parks

Shaun Cooper provided updates on the Chorro valley trail. SLOCOG completed feasibility study in 2014. Camp San Luis has come forward to allow an easement for the trail on eastside of Highway 1. The SLOCOG study is on their website.

Bob Jones Pathway working on updating NEPA document which should be done by end of 2015. Then can proceed with ROW. The new section of the Bob Jones Trail is a higher priority than widening the existing trail.

Anza Trail from Santa Margarita to Garden Farms, went to Planning commission for conformity report. To go to BOS in 2016 to accept easement.

Construction documents for Templeton to Atascadero will be ready in 2017, will have construction ready documents.

B. SLOCOG

Jeff Brubaker noted the Anza Trail Edna - Price Canyon feasibility study is currently out for public comment. To be adopted by SLOCOG in February of 2016.

SLOCOG working on ATP Plan to prioritize funding of bicycle and pedestrian projects.

C. County Public Works

Michelle Matson noted that the County did not receive any grant money for ATP. Public Works has also submitted an HSIP grant for Los Berros Road. Jeff Brubaker noted the City of San Luis Obispo received a grant for the Railroad Safety Trail. SLOCOG also received a Safe Routes to School Education Grant.

Crews have continued to stripe the bike lanes in Los Osos. Will monitor for parking compliance. Michelle is working toward sharrow evaluation and 3 FT to PASS signs.

6. Trails Committee Discussion

A. Class I Standards

Skip provided background information on proposed trail rules and read the proposed rules. Rules would apply to Class I Bikeways by definition. Kathy Longacre questions where the rules would be posted and what trails they would go on but supports developing a set of rules. Claudia Callwood questioned how trails could be for experienced users. Dorothy Jennings noted vehicle code allows horses for travel and Parks and Recreation Element has some rules. Trails committee also noted bicycle riders are not a homogenous group.

Michelle Matson noted history of the rules. They were developed by a BAC subcommittee as part of the 2015 Bike Plan goal development. Staff did not prepare the rules and would only support rules supported by both committees. Staff suggests trails committee review and provide comment. Robert Davis suggested a subcommittee.

B. Bikeway Rankings

Staff provided the adopted Bike Plan Bikeway ranking as an informational item.

C. ATP Committee

Staff has suggested that an ATP committee be developed for the County to move forward with common bike and pedestrian priorities for grant funding. Robert Davis and Skip from the BAC volunteered. Trails committee to discuss at next meeting in January.

7. BAC Business & Discussion

D. Minutes of 8/11/2015

Dale Sutliff motioned to approve the minutes with the correction to the attendance of Barry Lewis. Jeff Brubaker also clarified the SLOCOG updates. Robert Davis seconded. Motion approved.

E. BAC Elections

Josh Olejczak nominated Dale Sutliff for chair. Robert Davis seconded. Ed Goshorn nominated Skip Amerine as vice-chair. Ken Price seconded. Motions approved with Claudia Callwood abstaining from both motions.

F. 2016 BAC Calendar

Dorothy Jennings noted that 11/8/16 is Election Day. Skip motioned to adopt 2/9/16, 5/10/16, 8/9/16 and 11/15/16 as the BAC calendar. Ed seconded. Motion approved unanimously.

G. Bikeway Class Modifications

Staff reviewed bikeway class modifications, Ardath is new request from a Cambria bicycle group. Staff is not recommending sharrows as requested but can designate as a Class III Bike Route. BAC is unfamiliar with route and will drive route before next meeting.

Ed moved to accept all the bikeway class modifications except Ardath Drive from Highway 1 to Madison Street. Skip seconded. All in favor.

H. Bike Plan

Discussed draft of bike plan. Dorothy Jennings commented that section on complete streets should be included. Dale Sutliff suggested an executive summary. No action taken. Comments due to Michelle Matson by 11/30/15.

8. Future Agenda Items

9. Next meeting – February 9, 2016

STAFF REPORT (3 OF 4) San Luis Obispo County Bicycle Advisory Committee Tuesday, February 9, 2016 at 6:00 p.m.

C. Bike Plan

Recommendation-

- Receive hard copy of BAC Draft of Bike Plan (to be updated based on meeting action prior to uploading for public review on website)
- Review Advisory committee schedule

Discussion: A hard copy of the bike plan will be provided at the meeting. Public Works will revise the plan based on BAC action in Item D and upload Public Review Draft to the website and send out the comment letter. Asking that BAC members attend respective advisory committee for input. Advisory committee schedule is <u>attached</u>.

No comments following the November meeting were received on the administrative working draft. Goals were further edited/refined, intention was not to delete any.

Public Works currently completing budget. Chapter 7 to be updated prior to final plan.

Tentative Schedule:

- 2/11/2016: Release public review draft online.
- 3/2016: BAC members to attend area advisory committees.
- 4/30/2016: Public Review Draft Comment period end.
- 5/10/2016: May BAC Meeting (Act on any comments received as needed and Recommend adoption of Bike Plan to BOS)
- 7/2016: Approval of Bike Plan by BOS.

Results: Approval of the recommended action will update the County's bicycle transportation framework, enhancing the opportunity for alternative transportation modes, provides for more traffic and bicycling safety, and creates a more livable community.

Advisory Committee Schedule (confirm emails and date prior to attendance)

Council	Chair Contact	Website	Day	Location
Avila Valley Advisory Council	runhartig@gmail.com	http://avac-avila.org/	2nd Monday at 7:00 PM.	Ontario Road, San Luis Obispo,
Bicycle Advisory Council	Dale Sutliff <dalesutliff@me.com></dalesutliff@me.com>	http://www.slocounty.ca.gov/PW/Traffic /BAC.htm	2nd Tuesday of Feb, May, Aug and Nov	County Government Center Room 161/162
Cayucos Citizens Advisory Council	jcarsel@aol.com	http://www.cayucos-ccac.org/	1st Wednesday at 7:00 PM.	Cayucos Vet's Hall at the foot of the Pier
Creston Advisory Body	salyons@airspeedwireless.net	http://crestonadvisorybody.net/cab/CA B_Home.html	3rd Wednesday at 7:00 PM	
Los Osos Community Advisory Council	vickilocacchair@earthlink.net	http://locac.info/	4th Thursday 7pm	South Bay Community Center small conference room
Los Osos Community Advisory Council - Traffic and Circulation Committee	jtlocac@gmail.com	http://locac.info/	2nd Tuesday at 5:30 PM	South Bay Community Center small conference room
North Coast Advisory Council	thefoz@att.net	http://northcoastadvisorycouncil.org/	3rd Wednesday at 6:30 PM	Rabobank Community Room 1070 Main St., Cambria,
North Coast Advisory Council - Traffic and Circulation Committee		http://northcoastadvisorycouncil.org/	1st Monday at 3:00pm	Rabobank Community Room 1070 Main St., Cambria,
Oceano Advisory Committee	verndahl@yahoo.com	http://www.oceanoadvisorycouncil.org/	4th Monday at 4:00 PM	Oceano CSD Boardroom 1655 Front Street Oceano, CA 93445
Safe Routes to School Task Force	ssanders@rideshare.org	http://www.rideshare.org/programs/SafeRoutestoSchool.aspx	Varies	SLOCOG Conference Room, San Luis Obispo
San Miguel Advisory Council	mconger@co.slo.ca.us	https://www.facebook.com/SLOPlannin g/posts/10153408620555038	4th Wednesday at 7:00 PM	Community Center by 13th and K Streets in San Miguel, Ca
Santa Margarita Area Advisory Council	joe.smaac@gmail.com	http://www.smaaconline.org/	1st Wednesday at 7:00 PM. (excld Jan & Jul)	TBD
Shandon Advisory Council	shandoncouncil@yahoo.com		1st Wednesday at 7:00 PM.	C.W. Clarke Memorial Park Clubhouse, Centre St, Shandon
SLOCOG -TTAC		http://www.slocog.org/meetings- agendas/advisory/ttac	4th Wednesday at 1:30 PM	SLOCOG Conference Room, San Luis Obispo
South County Advisory Council	saries4u@gmail.com	http://scac.ca.gov/	4th Monday at 6:30 PM	NCSD Board Room at 148 South Wilson
South County Advisory Council - Traffic and Circulation Committee	william_woodson@hotmail.com	http://scac.ca.gov/	2nd Thursday at 10:00 AM	NCSD Board Room at 148 South Wilson
Templeton Area Advisory Group	dclarue_air@yahoo.com	http://www.taaginfo.org/	3rd Thursday at 7:00 PM	Community Church
Templeton Area Advisory Group - Traffic and Circulation Committee	ali@15cwine.com	http://www.taaginfo.org/	TBD	Templeton Community Services District at 206 5th St.
CSA 23			1st Thursday at 7:00 PM.	Santa Margarita Community Hall 22501 I Street

2/4/2016

STAFF REPORT (4 OF 4) San Luis Obispo County Bicycle Advisory Committee Tuesday, February 9, 2016 at 6:00 p.m.

8. Future Agenda Items

D. Avila Beach Drive Interchange Improvements – Caltrans (May 2016)

The presentation on the project given at the December 2015 Avila Advisory Committee is attached. The Caltrans project manager recently retired and the new staff was unable to attend. Bicycle Advisory Committee should consider a list of question for Caltrans in advance of the May meeting.

E. Oceano Revitalization Plan - Public Works (TBD)

Public Works is working toward revitalization on Highway 1 which includes Class II bike lanes on Highway 1. Will come back to BAC when project specific alternatives are developed. No money has been identified for construction. Revitalization Plan concepts can be found in http://www.slocounty.ca.gov/Assets/PL/Draft+Plans/OceanoRevit.pdf



AVILA BEACH DRIVE INTERSECTION IMPROVEMENTS

- The Southbound Route 101 Off-ramp to Avila Beach Drive is experiencing poor operations during weekday pm peak periods and summer tourist traffic peaks.
- Traffic patterns at the US 101 northbound off-ramp, Avila Beach Drive and Monte Road
 intersection are unpredictable and challenging for both vehicles and bicyclists. Vehicles exit at high
 speeds on the northbound off-ramp, continuing on to Avila Beach Drive through the northbound
 and southbound ramp intersections and are not required to yield to minor movements
- County of San Luis Obispo initiated a project to address this issue in January 2015.

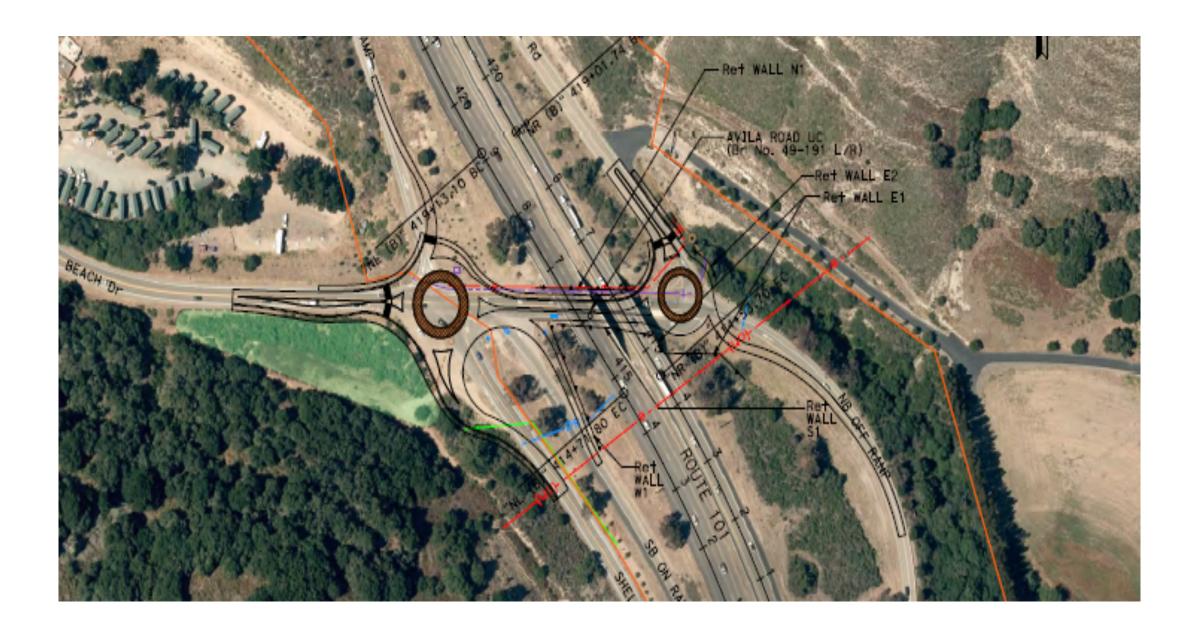
The Programming Document (PSR-PDS) will be complete by December 2015.

Program Project and start Environmental Studies 7/2016 Complete Environmental Approvals 8/2018 Final Design Complete-Construction Starts 12/2020 Estimated Cost to Complete Environmental Studies \$1.0 Million Estimated time to build 1 year

Estimated Construction Costs

Southbound Roundabout \$4.6 Million Adjusted for Inflation (estimate date 11/5/2015) Northbound Roundabout \$3.0 Million Adjusted for Inflation (estimate date 11/5/2015)

Neither Alternative involves modification or replacement of the existing highway bridges





PISMO SB 101 Operational Improvements

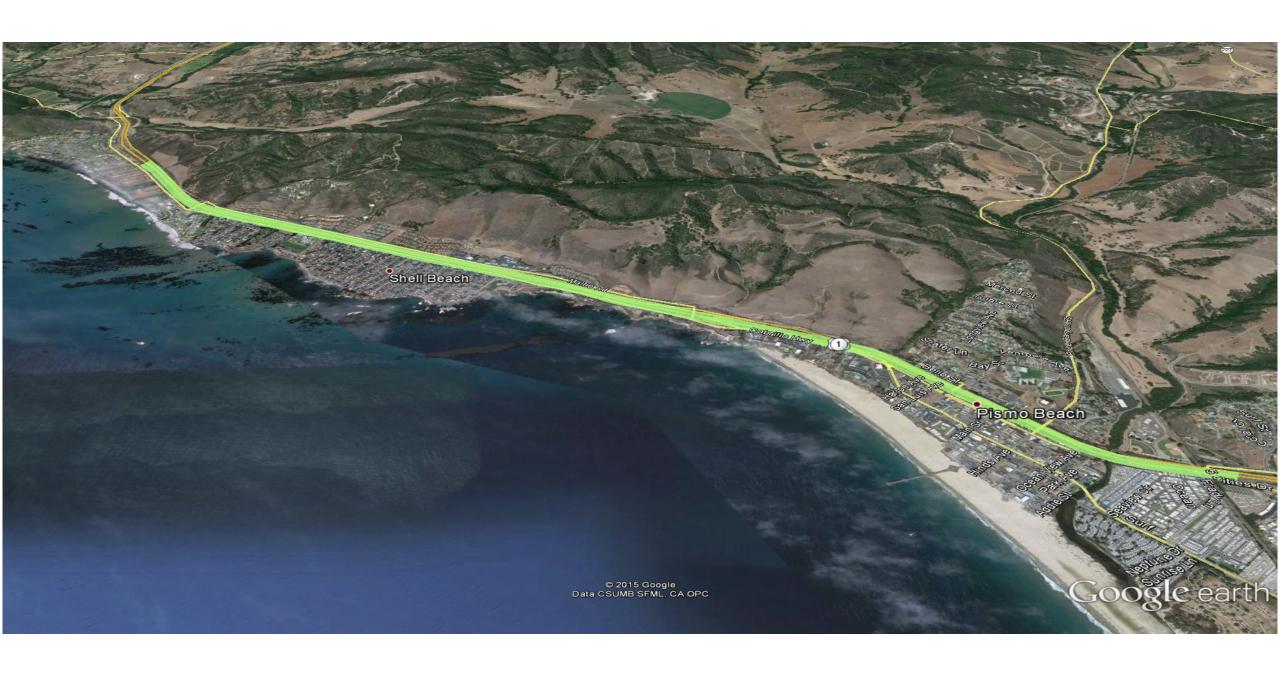


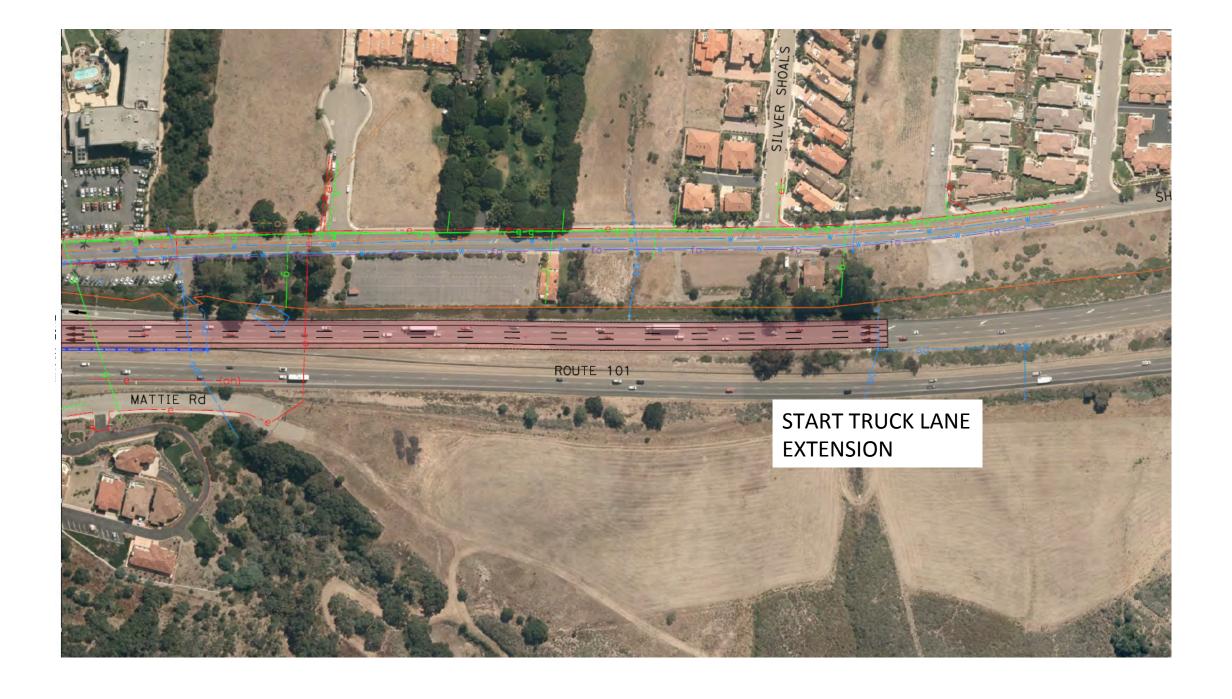
Traffic flow on south bound Route 101 from Shell Beach through Pismo Beach exceeds road capacity from 4 PM to 6 PM weekday evenings.

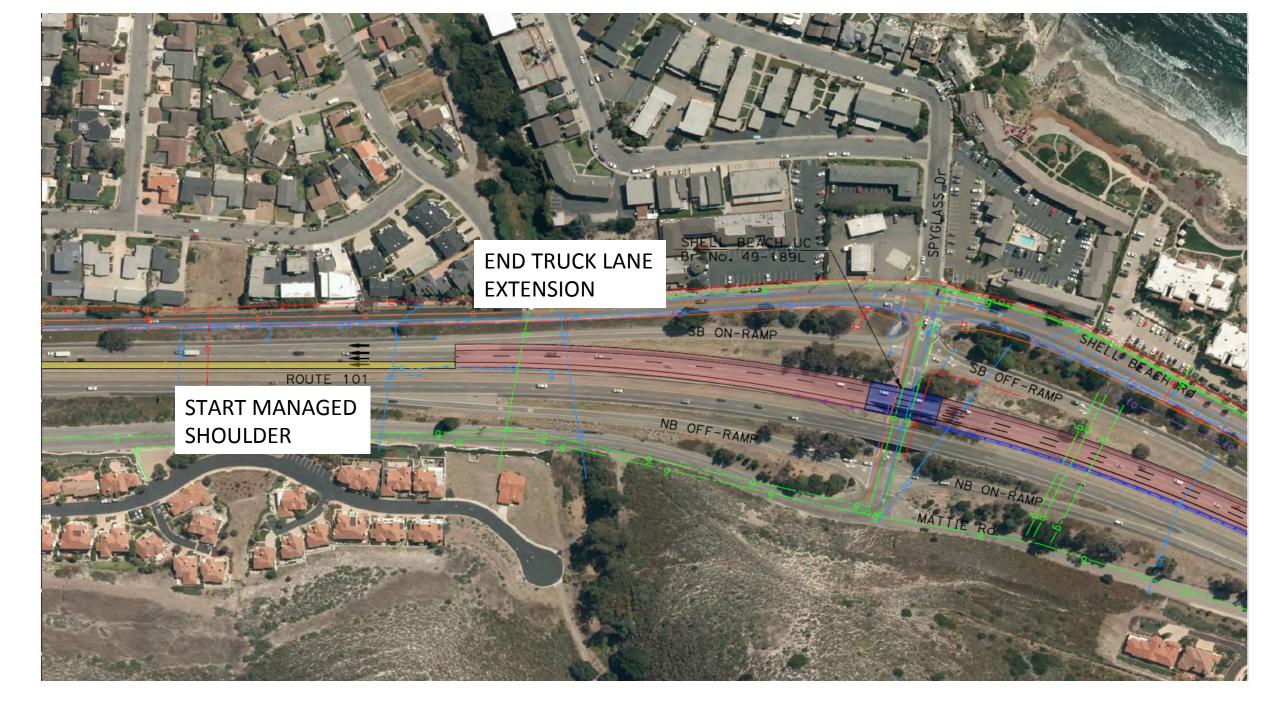
Adding new lanes with full shoulders is an immensely expensive and complex undertaking.

Instead of widening, Caltrans and SLOCOG are proposing simpler and innovative measures to address the congestion.

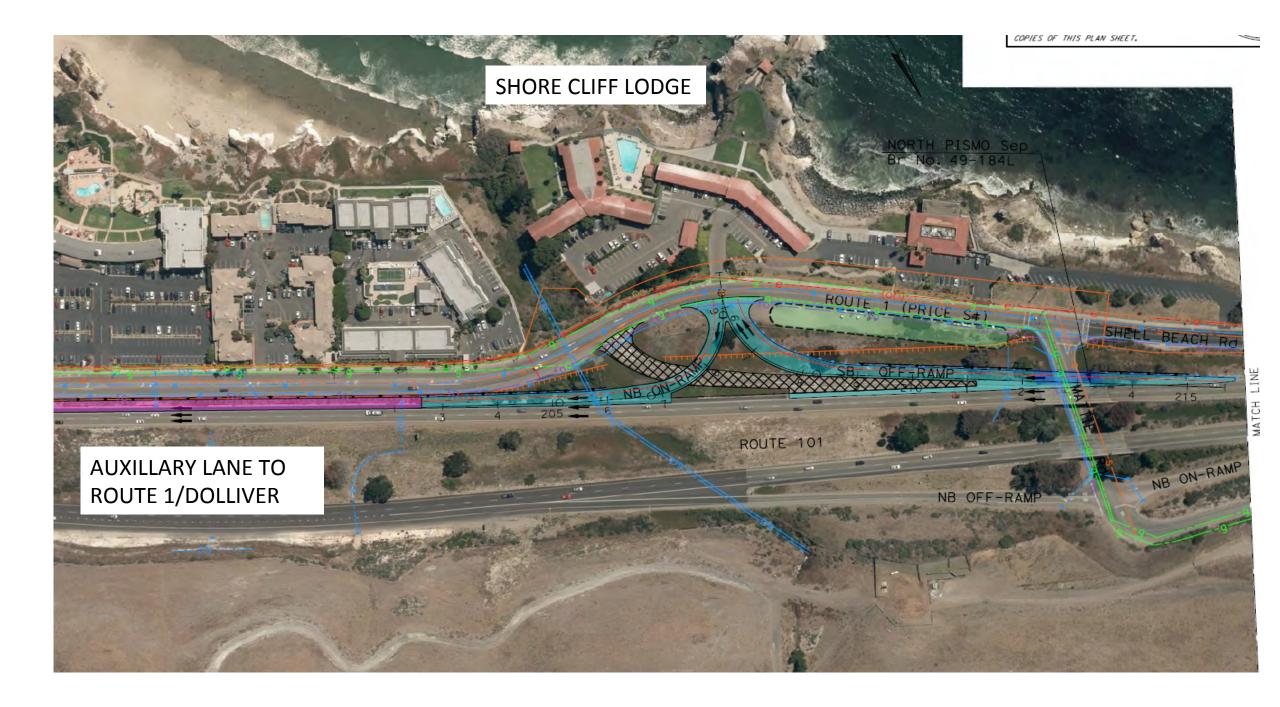
- Extend truck climbing lane to reduce merge friction
- Install a Managed Shoulder to temporarily increase capacity and reduce congestion related accidents
- Revise Mattie Road Ramps to reduce merge friction











The Managed Shoulder Option Utilizes the paved shoulder during peak traffic periods.

Extensive studies will be conducted including

Modeling
Safety and Operational Analysis
Alternative development and analysis
Community Involvement

Consistency with FHWA methods and standards

In order to determine the most effective way to safely improve traffic flow within the existing road system.

"temporary addition of a shoulder lane allows congested roadways to have higher throughput at reduced speeds"

Synthesis of Active Traffic Management Experiences in Europe and the United States FHWA

"The temporary shoulder use by all or a subset of vehicle types can provide additional capacity in a bottleneck section and improve overall facility performance. Similarly, temporary shoulder use by transit vehicles in queuing locations can improve service reliability by enabling the transit vehicles to bypass the mainline queue."

Final Report of Operational and Safety Characteristics of Shoulders Used For Part-time Travel Lanes-RICHARD

DOWLING







Examples of Temporary Shoulder Use in the U.S.*

CA I- 805/SR 52

DE US 202

FL SR-826 and SR-836

GA SR-400

MD US-29

MN Minneapolis/St. Paul

MN I-35W

NJ SR-22

VA SR-267

HI H-1

MA I-93 Northern Section

MA I-93 Southern Section

MA I-95

MA SR-3

VA I-66

WA US-2

Examples of Temporary Shoulder Use Outside the U.S.*

Netherlands

Germany

United Kingdom

Ottawa, Ontario (Canada)

Toronto, Ontario (Canada)

Auckland, New Zealand

Dublin, Ireland

Taiwan

*Final Report Evaluation of Operational and Safety Characteristics of Shoulders Used For Part-time Travel Lanes Prepared for: Federal Highway Administration 11/02/2011





180 Grand Avenue, Suite 250 Oakland, CA 94612 Tel: (510) 839-1742 (Dowling: P11012, CSI: 7661.730)



Safety Measures:

Speed Control and Speed Harmonizing

Queue Protection

CCTVs to monitor for debris and Incidents

Safety Turnouts

Incident Response

Traffic Operations Center monitoring

Roadway Traffic Sensors

Automatic and Manual Operation (for opening and closing the shoulder)

Vehicle Type Control ie: busses only, small cars only

Occupancy Control: ie: High Occupancy Vehicle or High Occupancy Toll

Enhanced Traffic Enforcement

Geometric Analysis ie: lane width/spacing, striping

Junction Control: using variable traffic signs, dynamic pavement markings, and lane use control to direct traffic to specific lanes (mainline or ramp) based on varying traffic demand or incidents, to effectively utilize available roadway capacity and manage traffic flows to reduce congestion and provide safe operation.

Dynamic Re-routing: changing destination signing to account for downstream traffic conditions

Traveler Information: providing estimated travel time information and other conditions reports allowing for better pre-trip and in-route decisions

EXAMPLES

Recently Completed Virginia I-495 North Shoulder Lane Use

VDOT began work on June 1, 2014

The 1.5-mile project allows traffic to travel on the left shoulder of northbound I-495 from where the 495 Express Lanes end to the George Washington Parkway. The existing shoulder was rebuilt to accommodate traffic.

The shoulder is open to all traffic during peak travel periods on weekdays from 7 to 11 a.m. and 2 to 8 p.m. A lane-use management system, with green arrows and red "X's" similar to the lane-control system on I-66, alerts travelers when the shoulder is available.

In addition, the project includes several safety enhancements such as upgraded concrete barriers in the median of I-495, new cameras and electronic highway signs to help with incident response and traveler information.

All travelers and buses are benefiting from the new capacity and improved merge. There is no barrier separation between the shoulder lane and the regular Beltway lanes, ensuring easy access for travelers.

Estimated Project Cost Preliminary engineering: \$3.0 million

Construction: \$17.0 million

Total \$20 million

Anticipated project schedule

Construction of the shoulder project began on June 1, 2014.

Open to traffic in July 2015, final completion scheduled for Summer 2015.

