



Santa Cruz County Regional Transportation Commission's
Interagency Technical Advisory Committee (ITAC)

AGENDA
Thursday, October 18, 2018
1:30 p.m.
RTC Conference Room
1523 Pacific Avenue, Santa Cruz, CA

1. Call to Order
2. Introductions
3. Oral communications

The Committee will receive oral communications during this time on items not on today's agenda. Presentations must be within the jurisdiction of the Committee, and may be limited in time at the discretion of the Chair. Committee members will not take action or respond immediately to any Oral Communications presented, but may choose to follow up at a later time, either individually, or on a subsequent Committee agenda.

4. Additions, deletions, or other changes to consent and regular agendas

CONSENT AGENDA

All items appearing on the consent agenda are considered to be minor or non-controversial and will be acted upon in one motion if no member of the Committee or public wishes an item be removed and discussed on the regular agenda. Members of the Committee may raise questions, seek clarification or add directions to Consent Agenda items without removing the item from the Consent Agenda as long as no other committee member objects to the change.

5. Approve Minutes of the June 21, 2018 ITAC meeting – *Page 3*

REGULAR AGENDA

6. Status of ongoing transportation projects, programs, studies and planning documents – Verbal updates from project sponsors on Measure D, Senate Bill 1 (SB1), and RTC-funded projects, as well as other projects that are underdevelopment or will be under construction in the next few months.
7. Unified Corridor Investment Study – Draft Step 2 Scenario Analysis – *Page 7*
 - a. Staff report, Ginger Dykaar and Grace Blakeslee
8. Update on the Caltrans State Highway Operation and Protection Program (SHOPP) – *Page 49*
 - a. Oral Report, Kelly McClendon, Caltrans District 5
 - b. Correspondence from Caltrans District 5

- c. 2018 Programmed/Funded SHOPP Projects list
 - d. 2020 SHOPP Candidates
9. Transportation Funding Updates
- a. Verbal updates on Caltrans Planning Grants and SB1-funded programs, all
Note: Prospective Planning Grant applicants should also contact District 5 Planning staff to discuss potential projects, get answers to questions, or have Caltrans staff review draft application materials.
10. Next Meeting – The next ITAC meeting is scheduled for November 15, 2018. The meeting will be held in the SCCRTC Conference Room, 1523 Pacific Avenue, Santa Cruz, CA. Meetings will be canceled if there are no action items to be brought before the committee.

Adjourn

HOW TO REACH US: Santa Cruz County Regional Transportation Commission
 1523 Pacific Avenue, Santa Cruz, CA 95060; phone: (831) 460-3200 / fax (831) 460-3215
 email: info@sccrtc.org / website: www.sccrtc.org

AGENDAS ONLINE: To receive email notification when the Committee meeting agenda packets are posted on our website, please call (831) 460-3200 or email rmoriconi@sccrtc.org to subscribe.

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**Santa Cruz County
Regional Transportation Commission
Interagency Technical Advisory Committee (ITAC)**

DRAFT MINUTES

Thursday, June 21, 2018, 1:30 p.m.
SCCRTC Conference Room
1523 Pacific Ave, Santa Cruz, CA

ITAC MEMBERS PRESENT

Tim Bailey, County Public Works
Teresa Buika, University of California at Santa Cruz (UCSC)
Murray Fontes, Watsonville Public Works and Planning Proxy
Paul Hierling, Association of Monterey Bay Area Governments (AMBAG)
Jessica Kahn, Scotts Valley Public Works
Kailash Mozumder, City of Capitola Public Works
Chris Schneider, Santa Cruz Public Works and Planning Proxy

RTC Staff Present: Grace Blakeslee, Sarah Christensen, George Dondero, Rachel Moriconi

Others Present: Lisa Lurie, Resource Conservation District-Santa Cruz County (RCD); Tami Grove, California Coastal Commission (CCC); Jennifer Calate, Caltrans Planning (*by phone*)

1. **Call to Order:** Chair Fontes called the meeting to order.
2. **Introductions:** Self introductions were made.
3. **Oral Communications:** Anais Schenk reminded members that an Active Transportation Program (ATP) grant workshop will be held at the RTC office on May 24. Cory Caletti announced that Anais Schenk is now staffing the RTC's Bicycle Committee. Anais reported that the RTC is recruiting members for the Bicycle Committee, especially from South County.
4. **Additions, deletions, or changes to consent and regular agendas:** Item 7 was moved after Item 9. Item 10 – Coastal Commission update was tabled to a future meeting.

CONSENT AGENDA

The Committee unanimously approved a motion (Schneider/ Mozumder) approving the consent agenda, with all members present voting "yes".

5. **Approved Minutes of the May 17, 2018 ITAC meeting**, with one modification from Kailash Mozumder to clarify that "The city plans to use SB1 funds to repave ~~major arterials~~ next year 42nd Avenue and other roadways."
6. **Received FY18/19 Regional Surface Transportation Program Exchange (RSTPX) Budgeted Projects**

REGULAR AGENDA

7. North Coast Rail Trail Project Update – *Item moved after Item 9*

8. Transportation Performance Management and Target Setting – Page 17

Paul Hierling, AMBAG provided an update regarding federal requirements for transportation performance management and target setting. He highlighted FHWA and FTA performance measures and statewide targets for safety, pavement and bridge condition, and National Highway System and freight movement on interstate highways. He noted that if Senate Bill 1 gas taxes are repealed in November 2018, California will not be able to meet the performance targets. Because the AMBAG region contains less than 1% of the statewide highway miles, the state is expected to limit the amount of data, reporting, and targets required of the region.

9. Early Mitigation for Transportation Improvements in Santa Cruz County

George Dondero (RTC), Lisa Lurie (RCD), and Tami Grove (CCC) reported on the recently completed Memorandum of Understanding (MOU) between local, state, and federal agencies responsible for coordinating resource conservation with early mitigation planning for transportation projects in Santa Cruz County. The MOU provides a mechanism to implement quality mitigations that are more valuable and cost effective than piecemeal mitigations. It also provides early buy-in among resource agencies and project sponsors, building trust among agencies, limiting blockades to projects, and expediting implementation of mitigations. Lisa Lurie noted that the group is working to identify priority mitigation sites and projects that may require mitigations. RCD and Fish and Wildlife are also looking into in lieu fee programs to sell mitigation credits in order to preserve certain wildlife habitats. The MOU provides the institutional framework. Tami Grove noted that Senate Bill 1 includes funding for advance mitigations. She emphasized the importance of agricultural lanes and identifying other key resource areas for advance mitigation. In response to questions from ITAC members, Lisa and Tami summarized the process for implementing advance mitigations as:

1. Project sponsors identify transportation projects with potential impacts that may require mitigations and identify the types of mitigations required (e.g. species, habitat impacted; possible habitat restoration/preservation, tree replanting, etc) and inform RCD about projects. Typically this happens by the end of the environmental review phase, but good to share information earlier.
2. RCD and other resource agencies identify sites that would be a good fit to meet the mitigations. They might be located within the area of potential impact or in-kind, in-watershed or ecoregion.
3. Ideally, forecast projects and possible mitigations 10 years ahead in order to get mitigation sites up and running. Quality sites could reduce ratios required to address the mitigation.

The possibility of using wetland restoration for carbon capture and conservation of agricultural lane in order to meet greenhouse gas reduction and Vehicle Miles Traveled (VMT) reduction targets is still under discussion.

7. North Coast Rail Trail Project Update

Grace Blakeslee reported that the RTC is preparing a California Environmental Quality Act (CEQA) Environmental Impact Report (EIR) for a 7.5-mile rail trail project on the north coast between Wilder Ranch and Davenport. RTC staff anticipates releasing the Draft EIR this summer, with a 45-day public review period. Two public meetings will be held on the Draft EIR during the review period.

10. Coastal Commission updates - *Tabled to a future meeting*

11. Senate Bill 1 and Other Transportation Funding Updates

Rachel Moriconi and committee members discussed opportunities to share information about Measure D and gas tax funded projects. Committee members emphasized that Measure D has been critical to leverage other state and federal grants and that Senate Bill 1 funds are allowing agencies to address some of the backlog of local road maintenance and other transportation needs.

12. Status of ongoing transportation projects, program, studies and planning documents

Watsonville: Murray Fontes reported that the city is soliciting bids for STIP-funded Airport Boulevard improvements from Highway 1 to Holm Road this month and for Green Valley Road pavement preservation in August. Bids have been received for the Hazelwood Park path. The city is also working on two complete street and safe routes to schools plans.

Capitola: Kailash Mozumder reported that the city plans to construct sidewalks on 38th Avenue near Capitola Road this fall, construct Park Avenue storm damage repairs and sidewalks in 2019, and construct 2018 Slurry Seal projects this summer. The city is submitting an AB2766 grant application for an adaptive signal system on 41st Ave. Geotechnical studies are being done for the Rail Trail crossing at Monterey Avenue.

County of Santa Cruz: Tim Bailey reported that the County opened bids on the Main Street curb/gutter project in Soquel Village. Bids for the bridge replacement on Redwood Road came in nearly double engineer's estimates. Construction is starting on storm damage repairs on Felton Empire Road and Glenwood Drive. Construction contracts have also been awarded for pavement projects on Branciforte Drive and Granite Creek Road.

UCSC: Teresa Buika reported that UCSC is working on an Active Transportation Program (ATP) application for Phase 2 of its bicycle path project.

Santa Cruz: Chris Schneider reported that several projects are out to bid, with construction planned for the Rail Trail Segment 7, Chestnut Street and Bay Street. The new bike share program is also up and running.

Scotts Valley: Jessica Kahn reported that the Scotts Valley Drive/Mt. Hermon Road intersection project is almost completed and includes bicycle boxes and landscaping. Construction of the Green Hills Road bicycle project starts this month. The Kings Village Road/Blue Bonnet sidewalks projects are also out to bid. The city is working on a planning

grant for an active transportation plan. The city also received a Senate Bill 1 Local Partnership Program (LPP) grant for trails in the Glenwood Preserve, and bicycle lanes and roadway rehabilitation along Glenwood Drive.

RTC: Rachel Moriconi reported that at its June 14 meeting, the RTC adopted the Measure D 5-year program of projects for regional projects; approved an agreement with Progressive Rail for rail operations on the Santa Cruz Branch Rail Line; and adopted the 2040 Regional Transportation Plan (RTP).

- 13. Next meeting:** The committee **rescheduled the next ITAC meeting to August 23, 2018**, one week later than the usual meeting time.

The meeting adjourned at 3:15 p.m.

Minutes prepared by: Rachel Moriconi, RTC Planner

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TO: RTC Advisory Committees

FROM: Ginger Dykaar and Grace Blakeslee, Sr. Transportation Planners

RE: Unified Corridor Investment Study – Draft Step 2 Scenario Analysis

RECOMMENDATIONS

Staff recommends that the Regional Transportation Commission (RTC) Advisory Committees:

1. Review and provide input on the draft Step 2 scenario analysis of the Unified Corridor Investment Study. (*A performance dashboard of the results of the scenario analysis is provided as Attachment 1. The full document is available at (<https://sccrtc.org/ucs-results>).*); and,
 2. Provide input on a preferred scenario to inform future transportation investments in the study area.
-

BACKGROUND

The objective of the Unified Corridor Investment Study (UCS) is to identify multimodal transportation investments that provide the most effective use of Highway 1, Soquel Avenue/Soquel Drive/Freedom Blvd, and the Santa Cruz Branch Rail Line while serving the community's transportation needs (Attachment 2). Goals for the UCS focus on a triple bottom line approach to developing a sustainable transportation system which seeks to maximize benefits in terms of efficient mobility, health and equity, the natural environment, and economic vitality. The Unified Corridor Investment Study is evaluating transportation improvements using performance-based planning and a scenario analysis consistent with guidance and policy for evaluating future investment decisions of state and federal transportation discretionary funds.

The RTC has approved the following components of the analysis:

- Goals, criteria, performance measures (Attachment 3) - May 4, 2017
- Project list - May 4, 2017
- Scenarios to be evaluated in the Step 1 analysis - June 15, 2017
- Step 1 Analysis (Attachment 4) - December 7, 2017
- Scenarios to be evaluated in Step 2 Analysis (Attachment 5) - December 7, 2017

Input from the public, stakeholders, and RTC advisory committees has been solicited at key milestones of project development.

DISCUSSION

The draft Step 2 scenario analysis of the Unified Corridor Investment Study is available for review and input. The report has been developed by Kimley-Horn and Associates, Inc. and Strategic Economics, Inc. with input from RTC staff. This planning effort is funded through a Caltrans' Sustainable Communities Transportation Planning Grant (FTA 5304) and local voter-approved Measure D funds. The report is primarily organized into two sections:

- the baseline information which presents the existing conditions of the transportation system as evaluated through the performance measures, and
- the scenario analysis which presents the forecast of the performance measure for a 2035 horizon year for all of the scenarios being evaluated.

An introduction is included in the report and provides background information and a description of the UCS, the goals, performance measures and scenarios evaluated. The draft Step 2 scenario analysis of the Unified Corridor Investment Study is available on the RTC website (<https://sccrtc.org/ucs-results>). A performance dashboard has also been developed to provide a graphical representation of the draft results of the Step 2 analysis and is provided in Attachment 1.

Outreach

Input on the draft Step 2 scenario analysis and a preferred scenario for the Unified Corridor Investment Study will be sought from members of the public, stakeholders, community organizations, city councils and RTC advisory committees. Public Workshops will be held in both Watsonville and Live Oak. The Live Oak Public Workshop will be held at the Live Oak Elementary School Multi-Purpose Room at 1916 Capitola Road, Live Oak, on October 15 from 6:00 PM to 7:30 PM. The Watsonville Public Workshop will be held in the Civic Plaza Community Room, 4th floor, 275 Main St., Watsonville, on October 16, from 6:00 PM to 7:30 PM. A stakeholder meeting of partner agencies will be held on October 9, 2018. Focus Group meetings will be held for community organizations on October 17, 2018. Presentations on the draft Step 2 analysis will be given to the Scotts Valley, Watsonville, Capitola and City of Santa Cruz City Councils during the month of October and early November, 2018. Comments can also be submitted to ucs@sccrtc.org.

A second draft of Step 2 scenario analysis of the Unified Corridor Investment Study will consider the input received and include a staff recommendation for a preferred scenario. The second draft will be presented to the RTC at an evening meeting on November 15, 2018. The meeting will be held starting at 6:00 PM at the City of Watsonville Council Chambers, 275 Main St, 4th floor. A public hearing will begin at 6:30 PM to receive input from members of the public. A notice will be distributed via email, newspapers and online news and provided on the SCCRTC website. No action from the commission will be requested from staff at this meeting.

A final draft of the Unified Corridor Investment Study will consider the comments received at the November 15, 2018 and any other comments received by 5:00 PM on November 20, 2018. The final draft of the Unified Corridor Investment Study will be presented to the RTC at the December 6, 2018 RTC meeting to be held at 9:00 AM at the County Board of Supervisors Chambers, 701 Ocean St., 5th floor. Staff will be requesting approval of the final draft report and the preferred scenario.

RTC staff recommends that the RTC Advisory Committee's review and provide input on the draft Step 2 scenario analysis of the Unified Corridor Investment Study (Attachment 1) and provide input on a preferred scenario to inform future transportation investments in the study area. Input from ITAC at this meeting and individual ITAC member comments received by November 2, 2018 will be considered in the staff recommendation of the preferred scenario provided to the commission on November 15, 2018.

Timeline

October 15, 2018: Public Workshop – Live Oak Elementary School Multi-Purpose Rm, 1916 Capitola Road, Live Oak, 6:00 – 7:30 PM

October 16, 2018: Public Workshop – Civic Plaza Community Rm, 4th floor, 275 Main St, Watsonville 6:00-7:30 PM

October 17, 2018: Focus Group Meetings for Community Organizations

October, 2018: RTC Advisory Committee Meetings

October and November, 2018: Scotts Valley, Watsonville, Capitola, and City of Santa Cruz City Council Meetings

November 15, 2018: Second draft of UCS including staff recommendation of preferred scenario presented at the RTC Transportation Policy Workshop, Public Hearing, No action taken, Watsonville Chambers, 275 Main St, 4th floor, 6:00 PM

December 6, 2018: Final draft Unified Corridor Investment Study, Commission Action Requested on Preferred Scenario, County Board of Supervisors Chambers, 701 Ocean St, 5th floor, 9:00 AM

SUMMARY

The draft Unified Corridor Investment Study uses a performance-based planning and scenario analysis approach to evaluate the transportation investments on Highway 1, Soquel Avenue/Soquel Drive/Freedom Blvd, and the Santa Cruz Branch Rail Line and their ability to advance sustainability goals. **RTC staff recommends that the RTC Advisory Committees review and provide input on the draft Step 2 scenario analysis of the Unified Corridor Investment Study (Attachment 1) and provide input on a preferred scenario to inform future transportation investments in the study area. Input from ITAC at this meeting and individual ITAC member comments received by November 2, 2018 will be considered in the staff recommendation of the preferred scenario provided to the commission on November 15, 2018.**

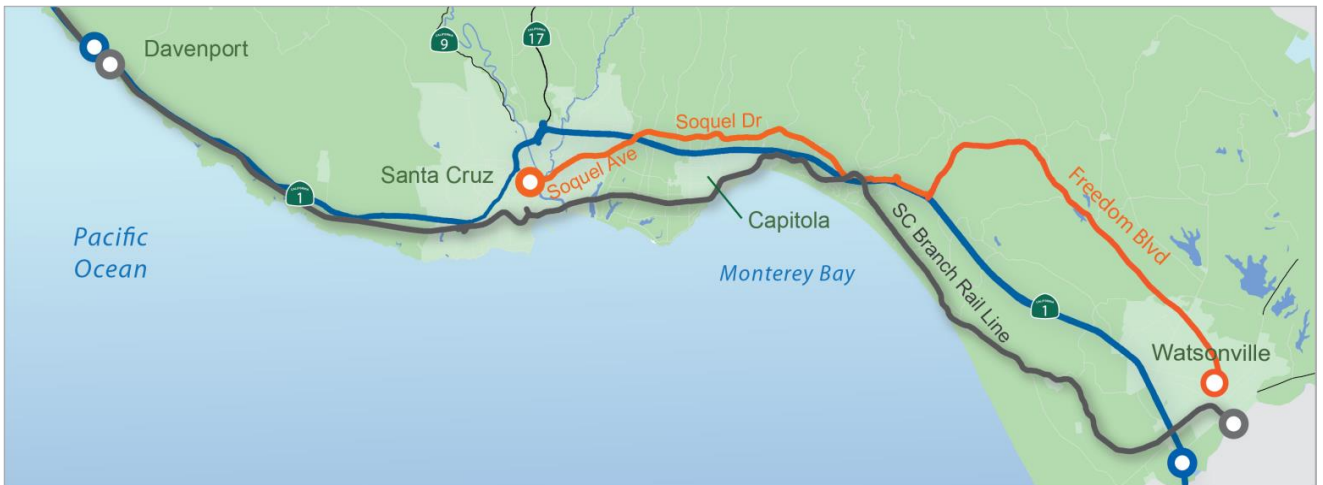
Attachments:

1. Draft Step 2 Scenario Analysis of the Unified Corridor Investment Study - Performance Dashboard (*Full report is available at <https://sccrtc.org/projects/multi-modal/unified-corridor-study/>.*)
2. Unified Corridor Study Project Area Map
3. UCS Goals, Criteria and Performance Measures
4. UCS Step 1 Analysis - (*Step 1 of the Scenario Analysis is available at <https://sccrtc.org/projects/multi-modal/unified-corridor-study/>*)
5. UCS Step 2 Project List and Scenarios Evaluated

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Unified Corridor Investment Study Performance Dashboard

Step 2 Analysis Results



Kimley»Horn



Project Description

Three parallel routes - Highway 1, Soquel/Freedom and the Santa Cruz Branch Rail Line - link the communities along the Santa Cruz County coast from Davenport through Watsonville. The Unified Corridor Study examines how well complimentary transportation improvements on all three routes - when designed to function together as a single unified corridor – perform to meet the community’s transportation needs.

















The Unified Corridor Study performance dashboard presents the result of the second, in a two step analysis, which compares how each of the scenarios address the study goals of Safety, Efficiency, Economics, Environmental Sustainability, and Social Equity by 2035.

The evaluation of 16 performance measures for each of the scenarios and a comparison to a no build and baseline conditions is designed to increase understanding of transportation project benefits by transparently evaluating their impacts and lead to effective investments in the corridor.



Step 2 Scenarios for Analysis

Approved by RTC on December 7, 2017

	Scenario A	Scenario B	Scenario C	Scenario E	No Build
Highway 1 Projects					
Buses on shoulders					
High occupancy vehicle lanes (HOV) and increased transit frequency					
Auxiliary lanes to extend merging distance IN ADDITION TO MEASURE D					
Metering of on-ramps					
Additional lanes on bridge over San Lorenzo River					
Mission St intersection improvements					
Soquel Avenue/Drive and Freedom Blvd					
BRT lite (faster boarding, transit signal priority and queue jumps)					
Increased frequency of transit with express services					
Buffered/protected bike lanes					
Intersection improvements for auto					
Intersection improvements for bikes/pedestrians					
Rail Corridor					
Bike and pedestrian trail					
Local rail transit with interregional connections					
Bus rapid transit					
Freight service on rail			 Only Watsonville		
Overall Project Area/Connections between Routes					
Improved bike/pedestrian facilities throughout urban area closing gaps in network	These projects will be evaluated in all scenarios.				
Additional transit connections					
Bike share, bike amenities, transit amenities, park and ride lots					
Multimodal transportation hubs					
Automated vehicles/connected vehicles					
Transportation Demand and System Management					
Employers and residences - incentive programs	These projects will be evaluated in all scenarios.				
Education and enforcement - electric vehicle, motorist safety, and bike safety					

ITAC 10/18/18 - Page 13

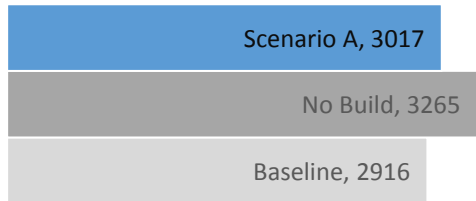
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Scenario A

Step 2 Performance Measures

PM: Total Collisions

(Fatal, Injury, and Property Damage Only per year)



Highway 1 Projects

- HOV and auxiliary lanes, ramp meters, San Lorenzo bridge widening, multimodal intersection improvements

Soquel / Freedom

- BRT Lite with increased transit frequency, multimodal intersection improvements

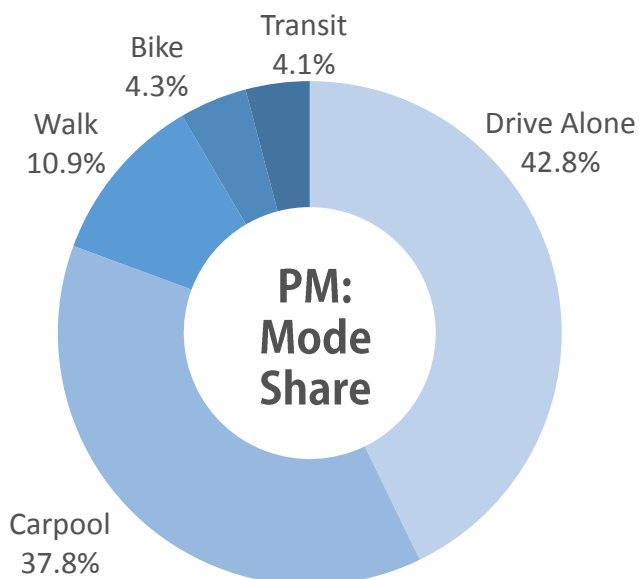
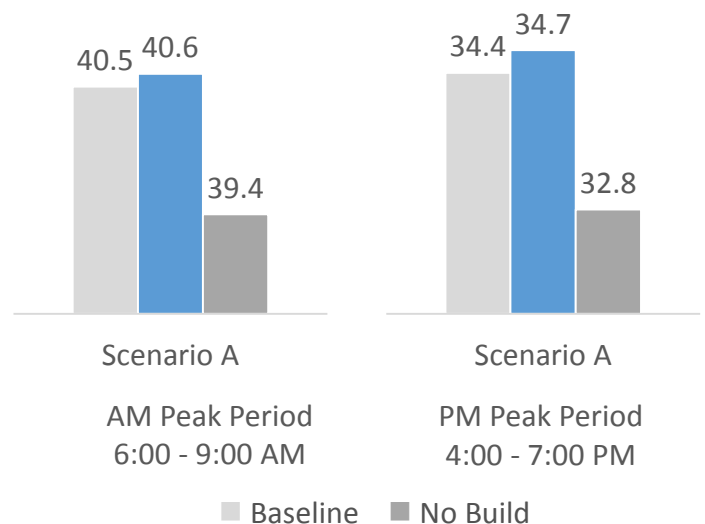
Rail ROW

- Bike and pedestrian trail

Goal 1 Safer transportation for all modes.



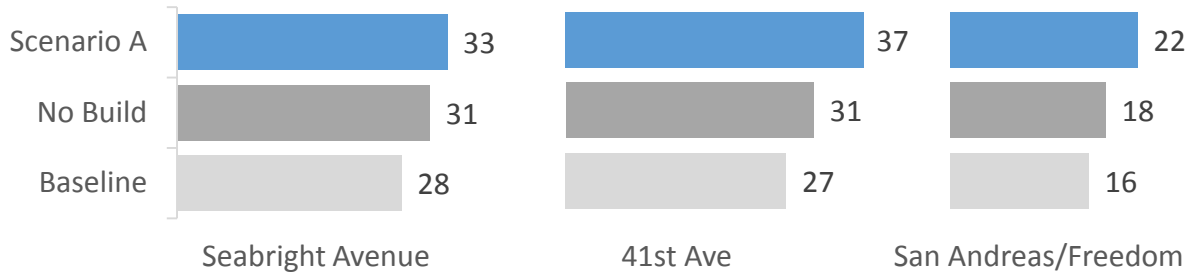
PM: Countywide Mean Auto Speed (mph)



Goal 2 Reliable and efficient transportation choices that serve the most people and facilitate the transport of goods.

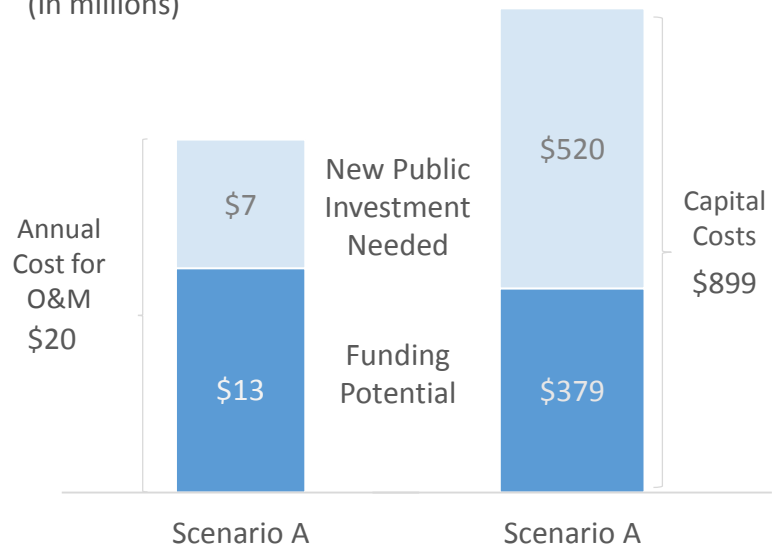
PM: Person trips across N-S Screenline 4:00-6:00 PM

(In thousands)



PM: Level Of Public Investment

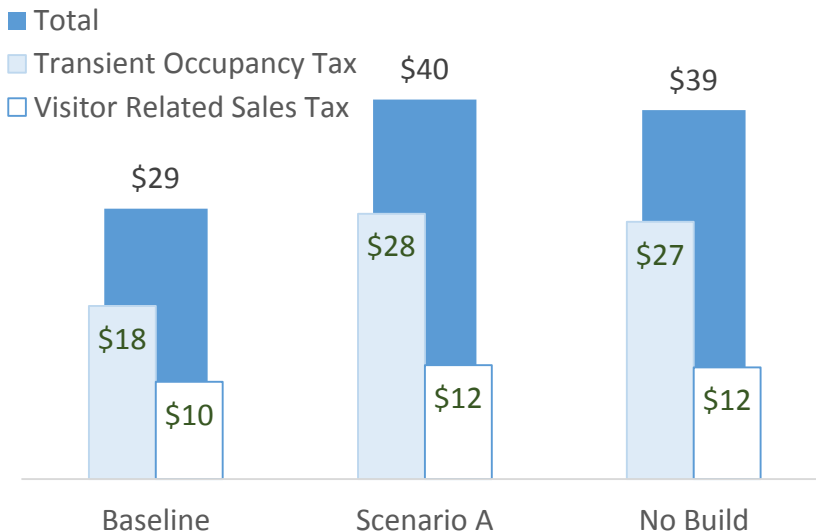
(In millions)



Goal 3 Develop a well-integrated transportation system that supports economic vitality.

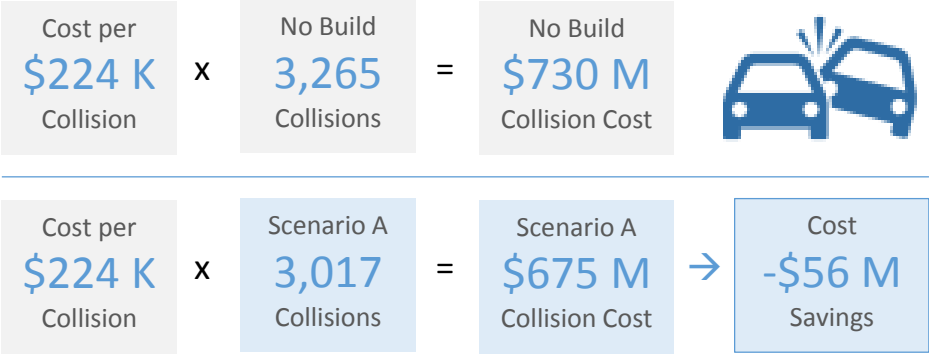
PM: Visitor Tax Revenues

(per year in millions)



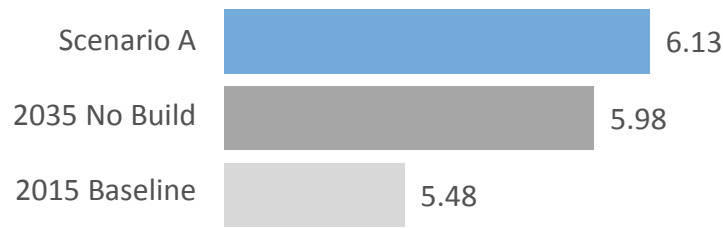
PM: Cost Associated with Collisions

(per year)



PM: Automobile Vehicle Miles Traveled

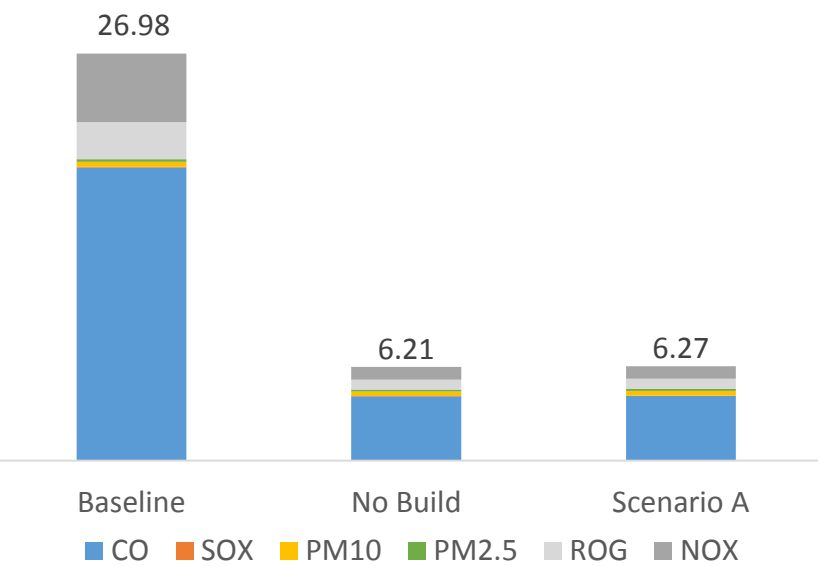
(Countywide VMT per day in millions)



Goal 4
Minimize
environmental
concerns and
reduce adverse
health impacts.

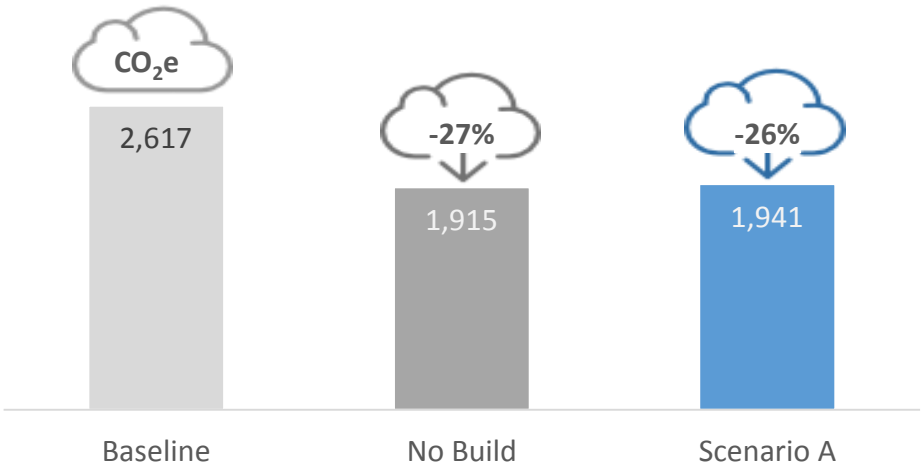
PM: Total Criteria Pollutants

(metric tons per day)



PM: Greenhouse Gas Emissions

CO₂e Emissions (metric tons per day) and Percentage Reduction from 2015 Baseline



PM: Environmentally Sensitive Areas

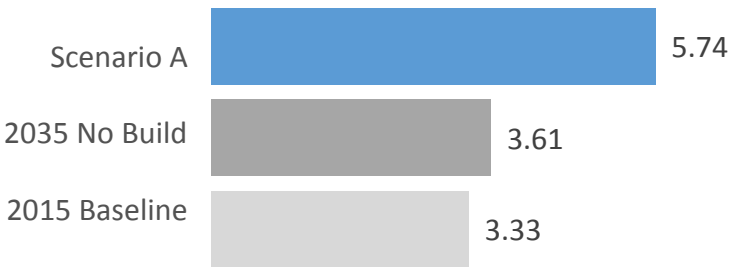
(# linear miles along 3 routes)

36.5 2nd lowest score

Goal 5 Accessible and equitable transportation system that is responsive to the needs of all users.

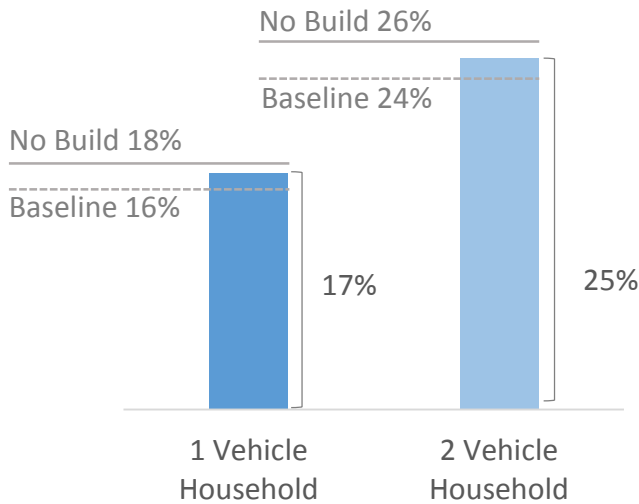
PM: Transit Vehicle Miles Traveled

(per year in millions)



PM: Household Transportation Cost

Percentage of Income Spent on Transportation
(by median income households per year)



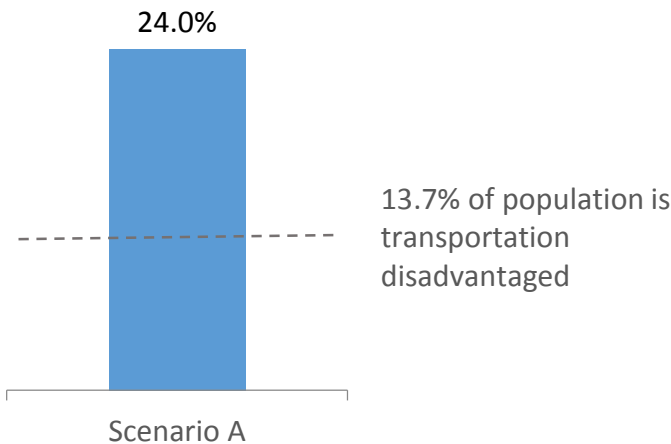
Daily Costs for 2-Vehicle Households

Scenario A
\$48.64

2015 Baseline
\$46.63 ▼ \$2.01

2035 No Build
\$50.14 ▲ \$1.50

PM: Share of Investment Benefit for Transportation Disadvantaged Population



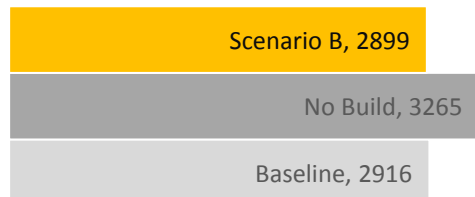
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Scenario B

Step 2 Performance Measures

PM: Total Collisions

(Fatal, Injury, and Property Damage Only per year)



Highway 1 Projects

- Bus on shoulder, ramp metering, Mission St. intersection improvements

Soquel / Freedom

- BRT Lite with increased transit frequency, buffered/protected bike lanes, bike/ped intersection improvements

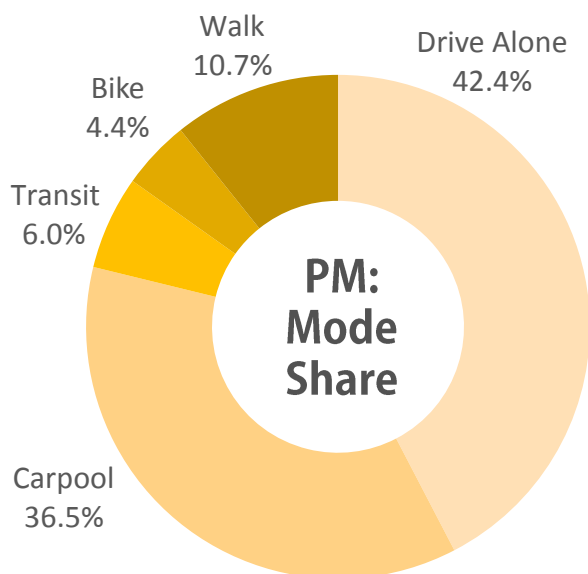
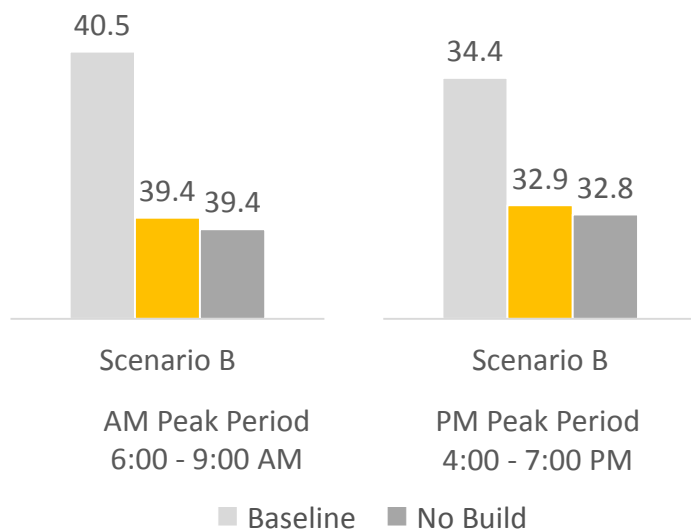
Rail ROW

- Bike and pedestrian trail, rail transit

Goal 1 Safer transportation for all modes.



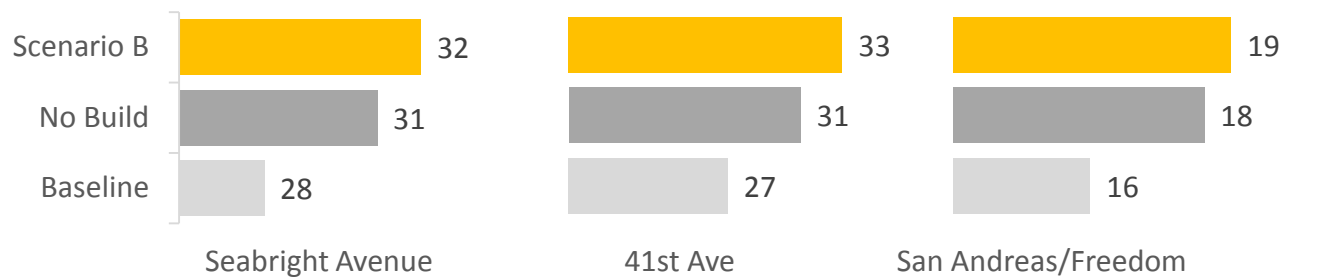
PM: Countywide Mean Auto Speed (mph)



Goal 2 Reliable and efficient transportation choices that serve the most people and facilitate the transport of goods.

PM: Person trips across N-S Screenline 4:00-6:00 PM

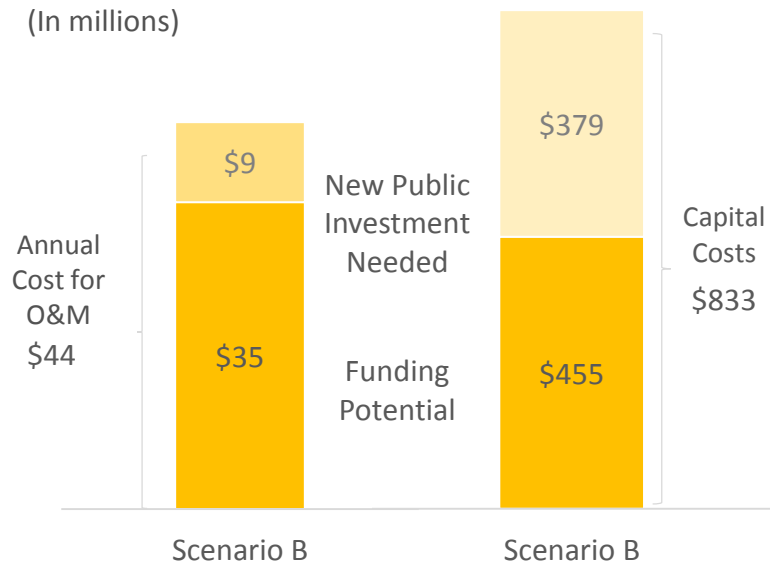
(In thousands)



Goal 3 Develop a well-integrated transportation system that supports economic vitality.

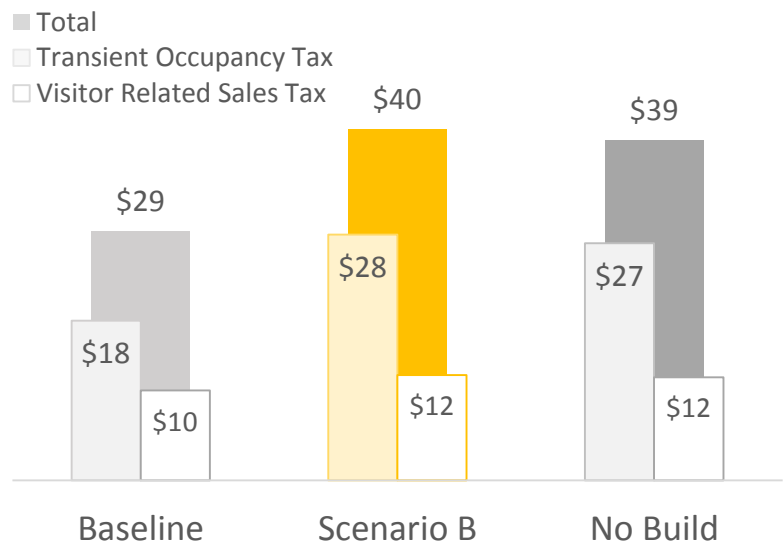
PM: Level Of Public Investment

(In millions)



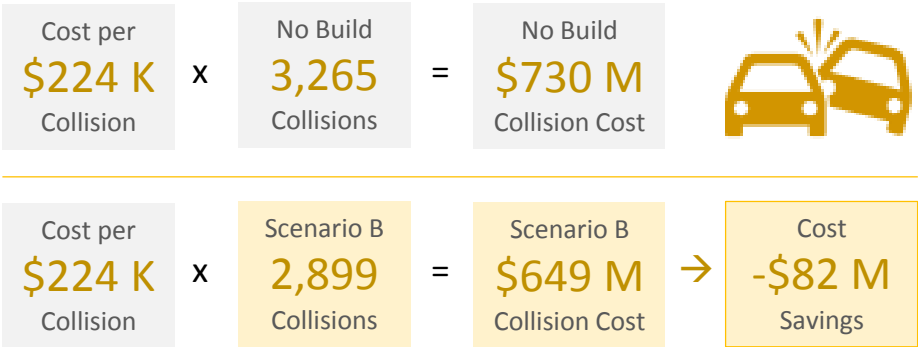
PM: Visitor Tax Revenues

(per year in millions)



PM: Cost Associated with Collisions

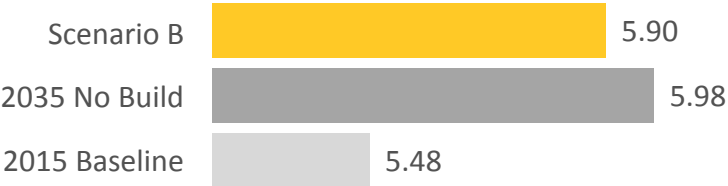
(per year)



Goal 4 Minimize environmental concerns and reduce adverse health impacts.

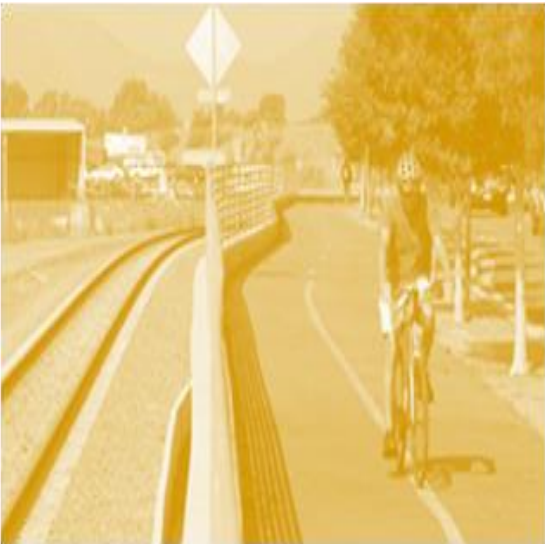
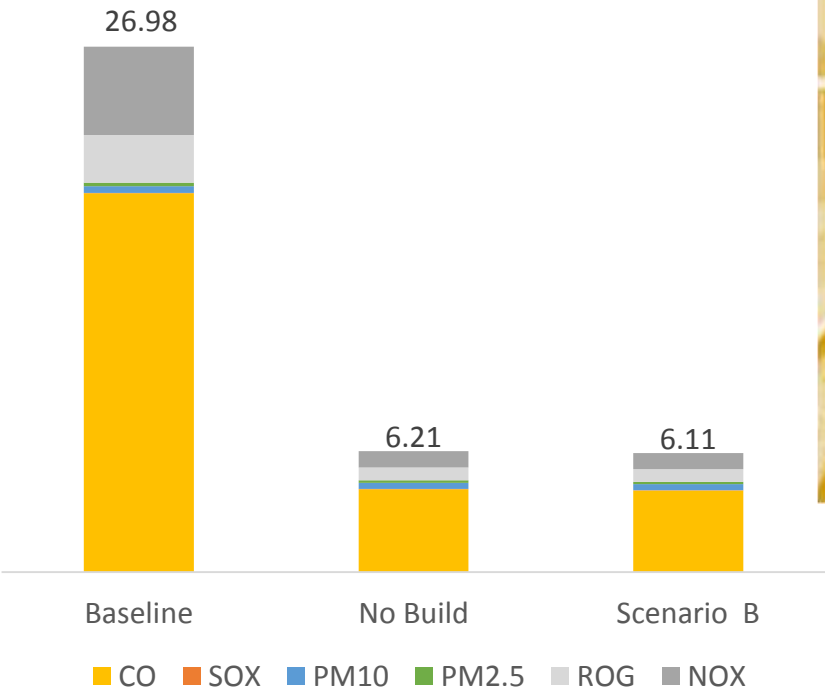
PM: Automobile Vehicle Miles Traveled

(Countywide VMT per day in millions)



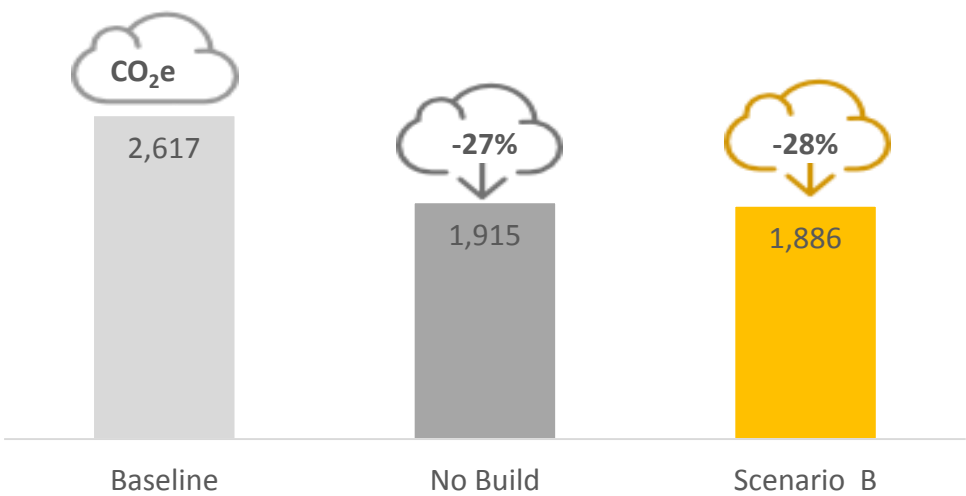
PM: Total Criteria Pollutants

(metric tons per day)



PM: Greenhouse Gas Emissions

CO₂e Emissions (metric tons per day) and Percentage Reduction from 2015 Baseline



PM: Environmentally Sensitive Areas

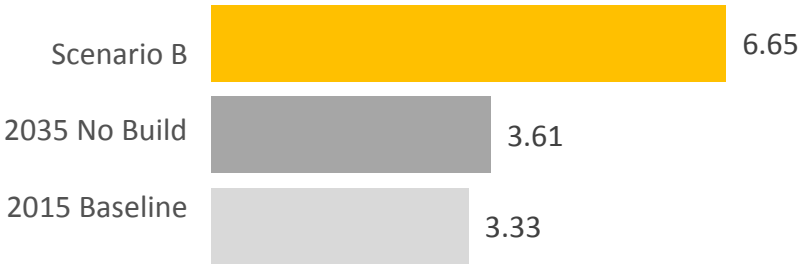
(# linear miles along 3 routes)

38.3 2nd highest score

Goal 5 Accessible and equitable transportation system that is responsive to the needs of all users.

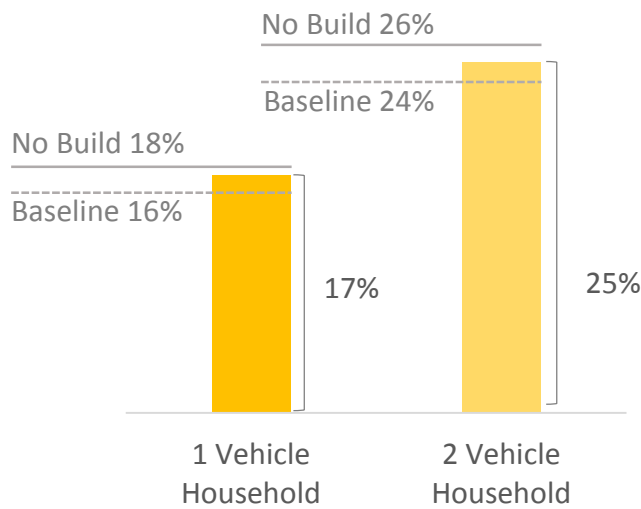
PM: Transit Vehicle Miles Traveled

(per year in millions)



PM: Household Transportation Cost

Percentage of Income Spent on Transportation
(by median income households per year)



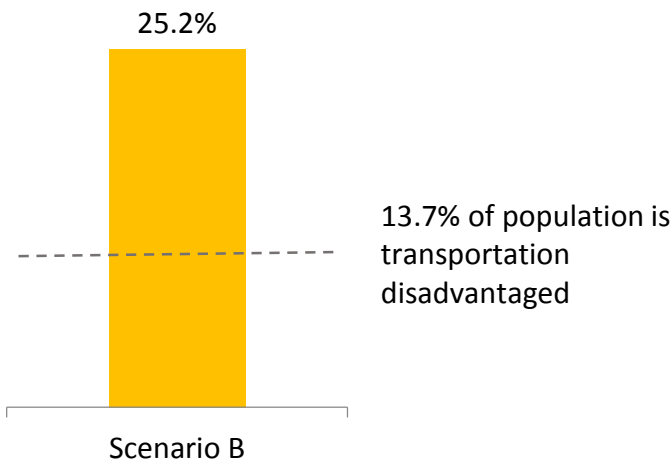
Daily Costs for 2-Vehicle Households

Scenario B
\$48.48

2015 Baseline
\$46.63 ▼ \$1.85

2035 No Build
\$50.14 ▲ \$1.66

PM: Share of Investment Benefit for Transportation Disadvantaged Population



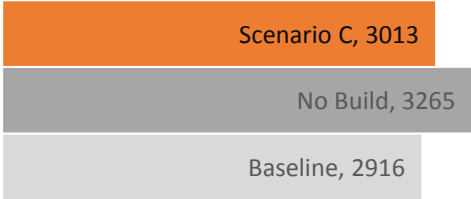
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Scenario C

Step 2 Performance Measures

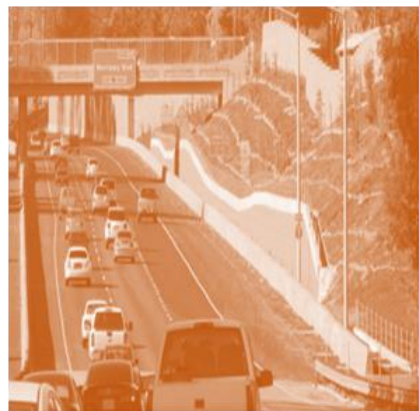
PM: Total Collisions

(Fatal, Injury, and Property Damage Only per year)

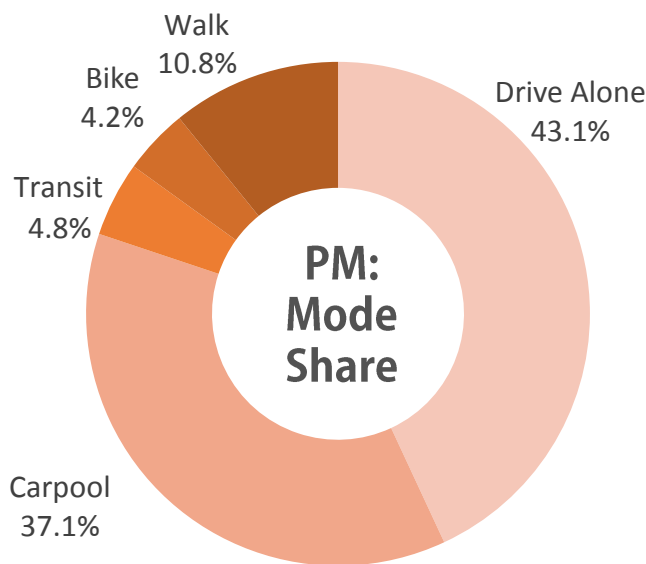
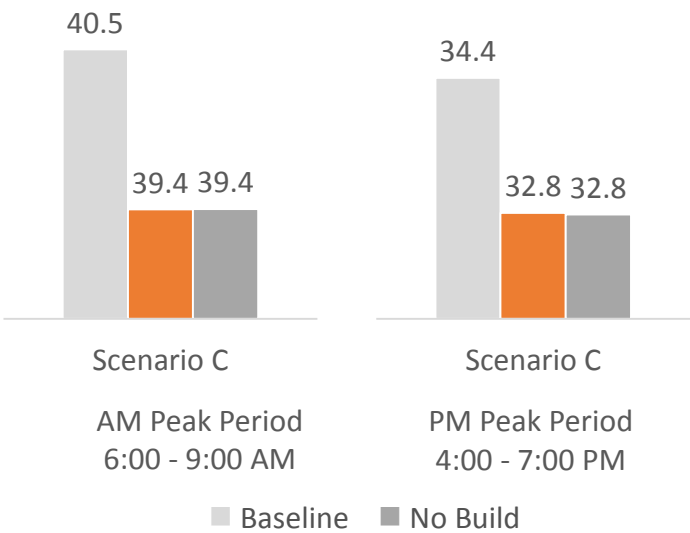


- Highway 1 Projects**
 - Bus on shoulders, auxiliary lanes
- Soquel / Freedom**
 - BRT Lite with increased transit frequency, multimodal intersection improvements
- Rail ROW**
 - Bike and pedestrian trail, bus rapid transit, freight service (in Watsonville)

Goal 1 Safer transportation for all modes.



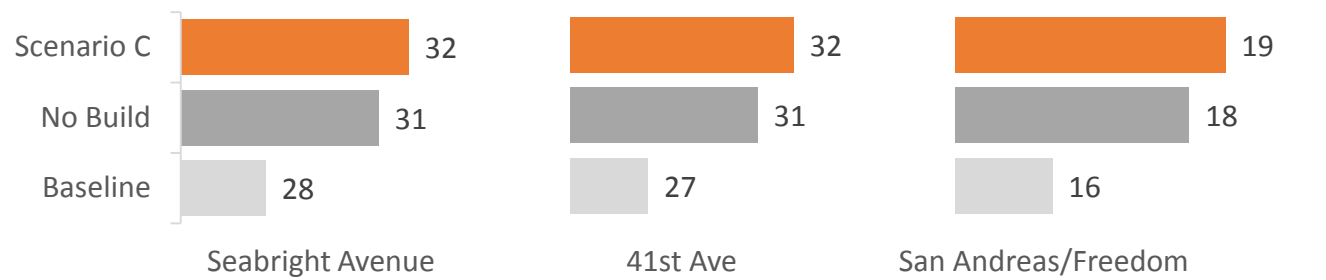
PM: Countywide Mean Auto Speed (mph)



Goal 2 Reliable and efficient transportation choices that serve the most people and facilitate the transport of goods.

PM: Person trips across N-S Screenline 4:00-6:00 PM

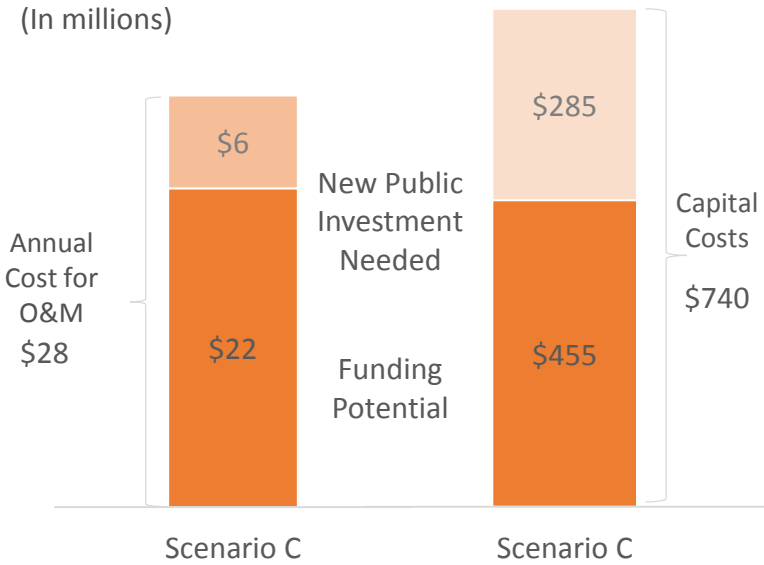
(In thousands)



Goal 3 Develop a well-integrated transportation system that supports economic vitality.

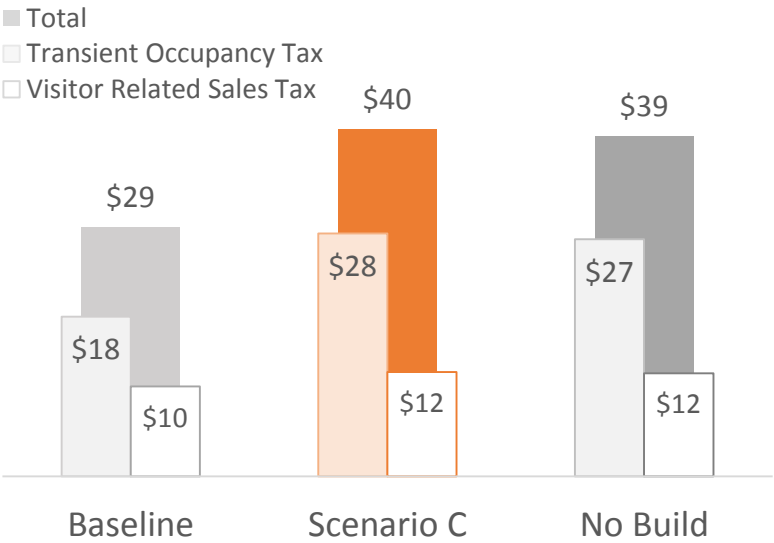
PM: Level Of Public Investment

(In millions)



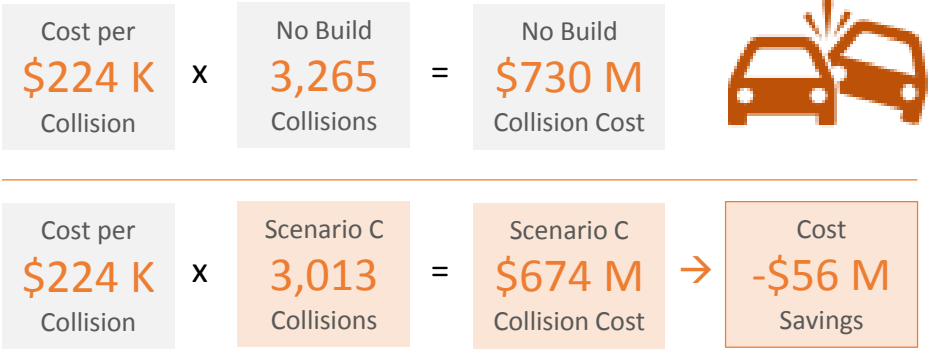
PM: Visitor Tax Revenues

(per year in millions)



PM: Cost Associated with Collisions

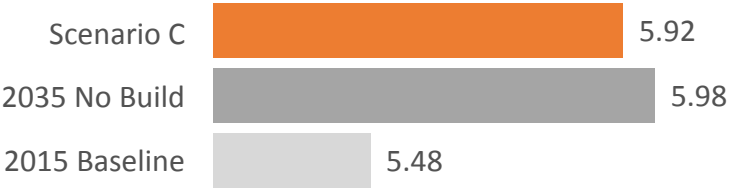
(per year)



Goal 4 Minimize environmental concerns and reduce adverse health impacts.

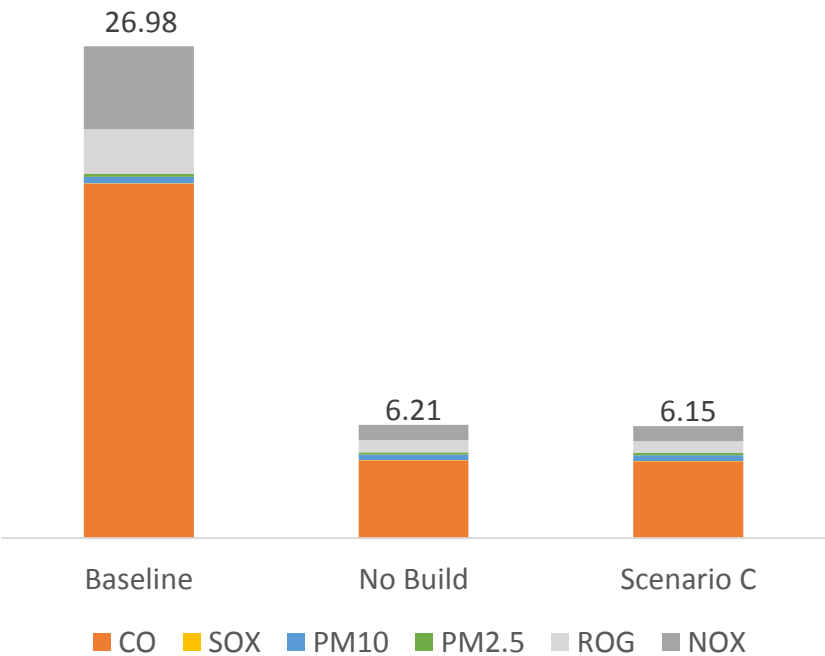
PM: Automobile Vehicle Miles Traveled

(Countywide VMT per day in millions)



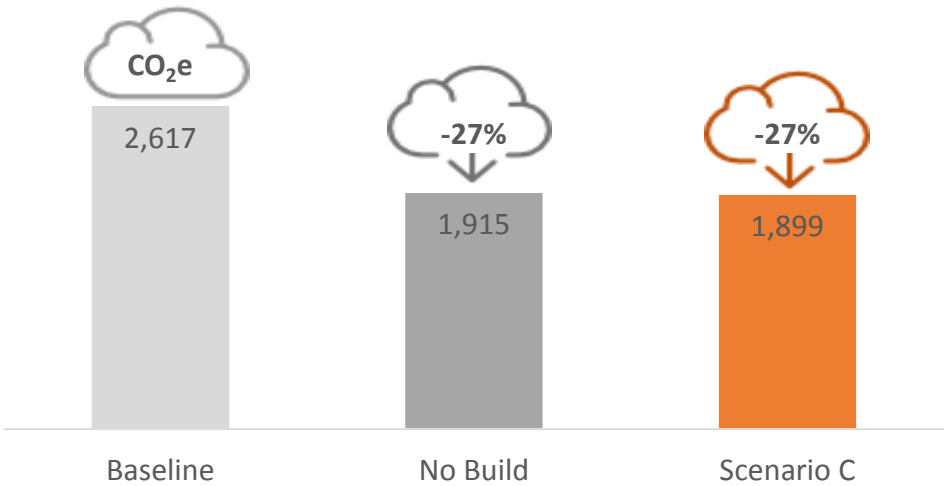
PM: Total Criteria Pollutants

(metric tons per day)



PM: Greenhouse Gas Emissions

CO₂e Emissions (metric tons per day) and Percentage Reduction from 2015 Baseline



PM: Environmentally Sensitive Areas

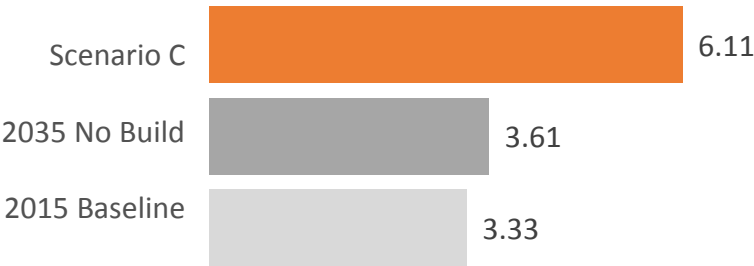
(# linear miles along 3 routes)

36.0 Lowest score

Goal 5 Accessible and equitable transportation system that is responsive to the needs of all users.

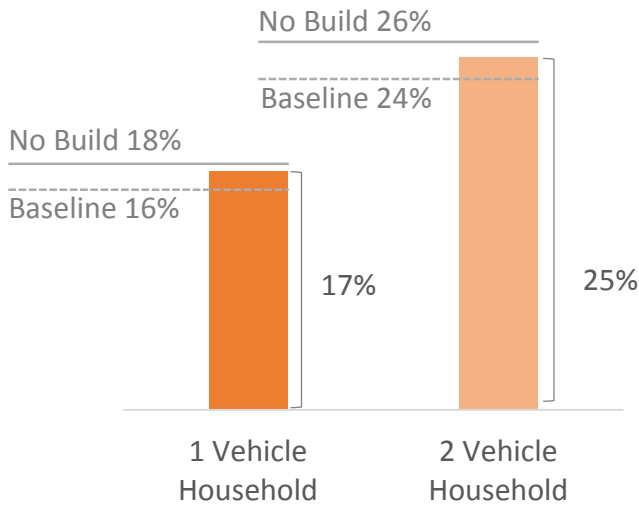
PM: Transit Vehicle Miles Traveled

(per year in millions)



PM: Household Transportation Cost

Percentage of Income Spent on Transportation
(by median income households per year)



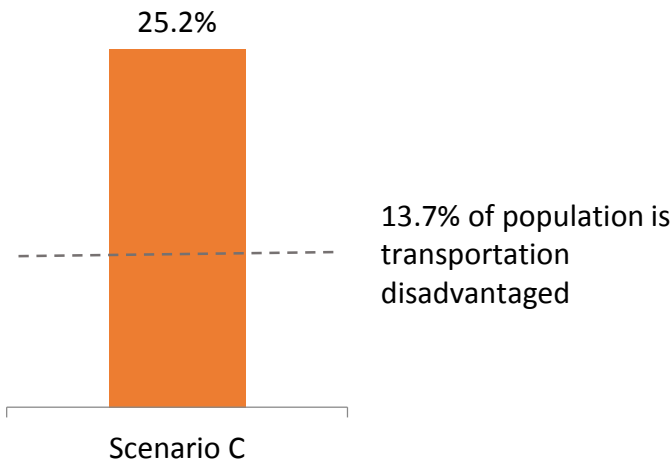
Daily Costs for 2-Vehicle Households

Scenario C
\$48.90

2015 Baseline
\$46.63 ▼ \$2.27

2035 No Build
\$50.14 ▲ \$1.25

PM: Share of Investment Benefit for Transportation Disadvantaged Population



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Scenario E

Step 2 Performance Measures

PM: Total Collisions

(Fatal, Injury, and Property Damage Only per year)



Highway 1 Projects

- HOV and auxiliary lanes, ramp meters

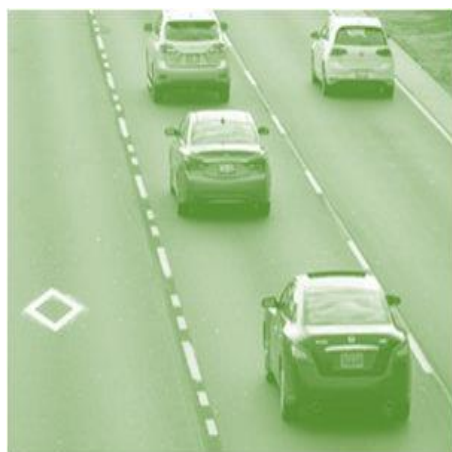
Soquel / Freedom

- Buffered/protected bike lanes, bike/pedestrian intersection improvements

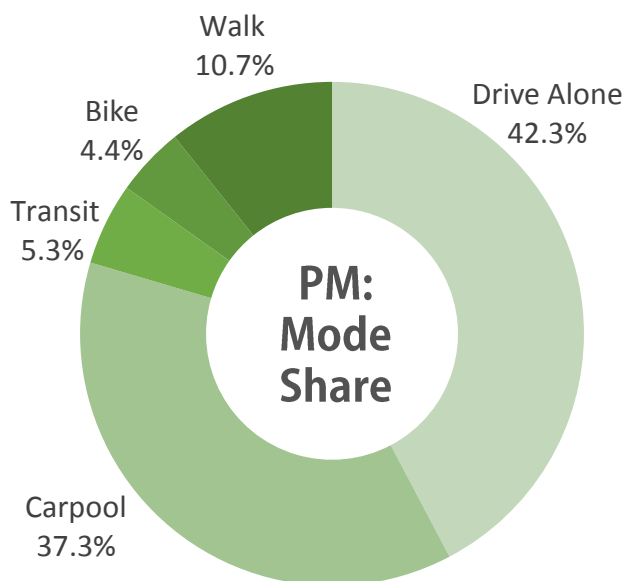
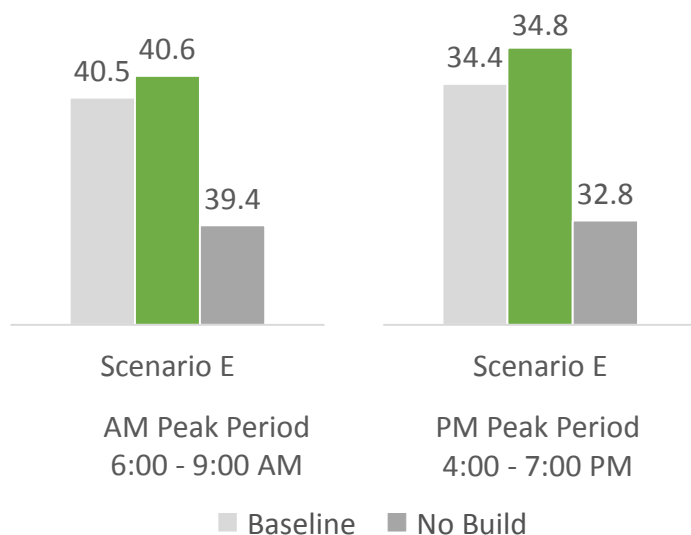
Rail ROW

- Bike and pedestrian trail, rail transit, freight service

Goal 1 Safer transportation for all modes.



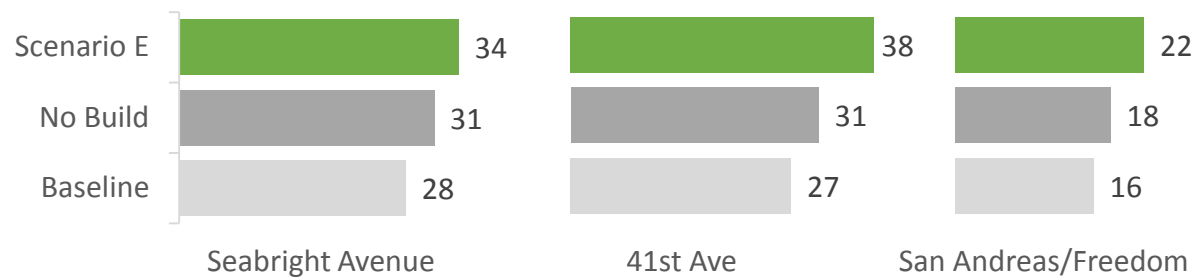
PM: Countywide Mean Auto Speed (mph)



Goal 2 Reliable and efficient transportation choices that serve the most people and facilitate the transport of goods.

PM: Person trips across N-S Screenline 4:00-6:00 PM

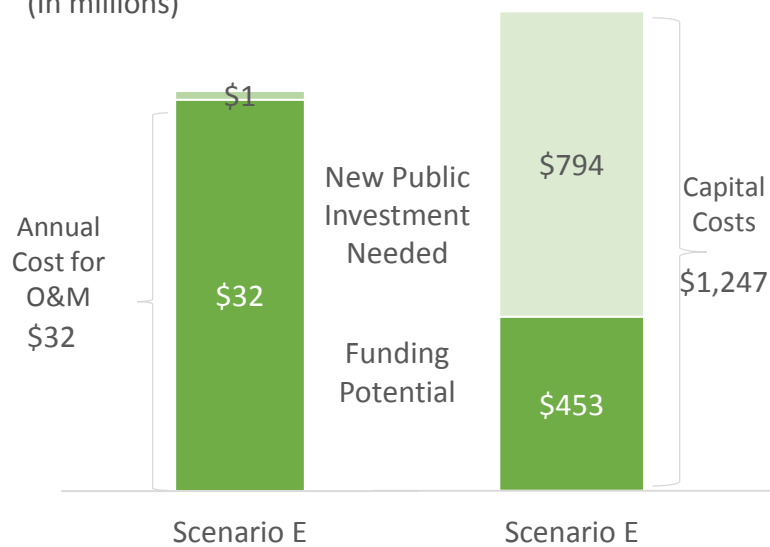
(In thousands)



Goal 3 Develop a well-integrated transportation system that supports economic vitality.

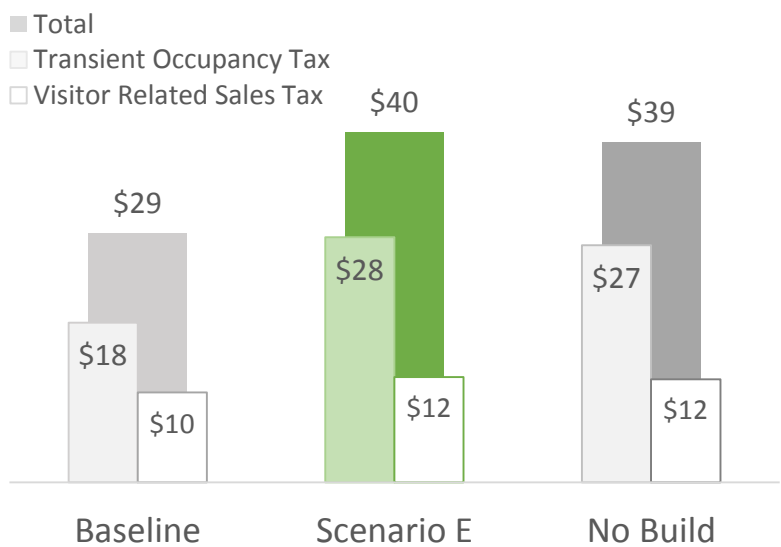
PM: Level Of Public Investment

(In millions)



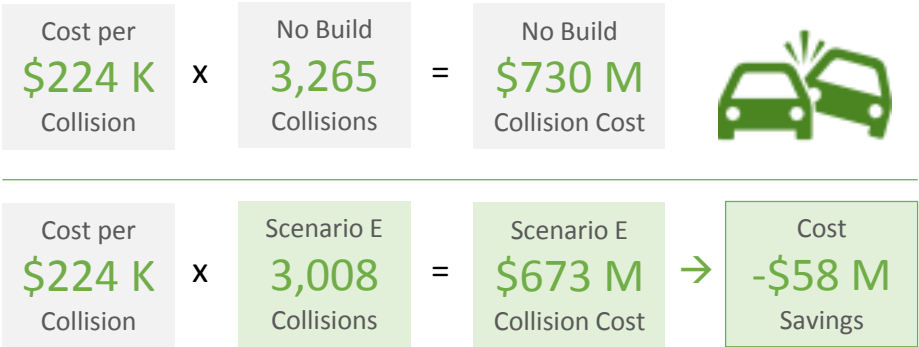
PM: Visitor Tax Revenues

(per year in millions)



PM: Cost Associated with Collisions

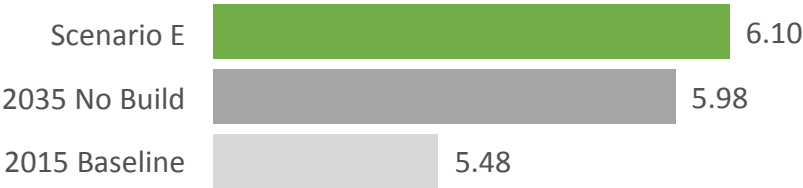
(per year)



Goal 4 Minimize environmental concerns and reduce adverse health impacts.

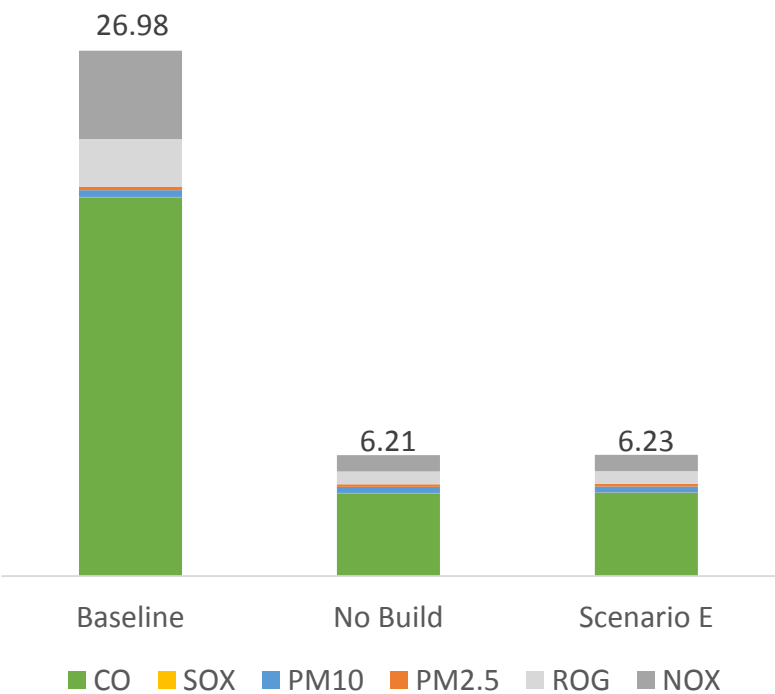
PM: Automobile Vehicle Miles Traveled

(Countywide VMT per day in millions)



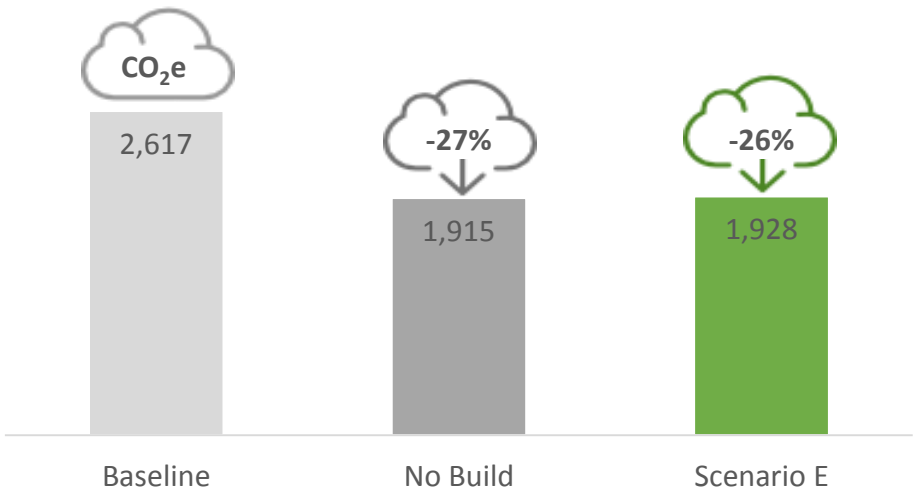
PM: Total Criteria Pollutants

(metric tons per day)



PM: Greenhouse Gas Emissions

CO₂e Emissions (metric tons per day) and Percentage Reduction from 2015 Baseline



PM: Environmentally Sensitive Areas

(# linear miles along 3 routes)

40.7 Highest score

Goal 5
Accessible and equitable transportation system that is responsive to the needs of all users.

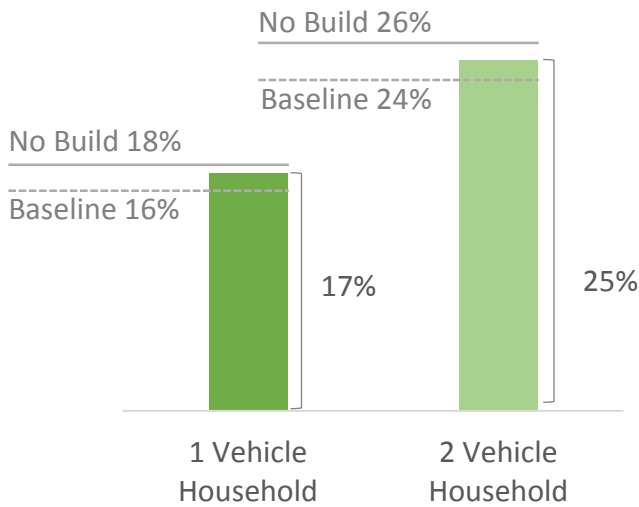
PM: Transit Vehicle Miles Traveled

(per year in millions)



PM: Household Transportation Cost

Percentage of Income Spent on Transportation
(by median income households per year)



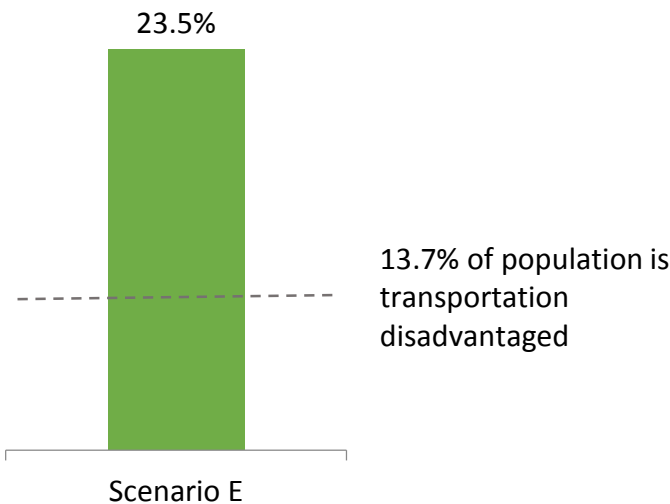
Daily Costs for 2-Vehicle Households

Scenario E
\$48.52

2015 Baseline
\$46.63 ▼ \$1.89

2035 No Build
\$50.14 ▲ \$1.62

PM: Share of Investment Benefit for Transportation Disadvantaged Population



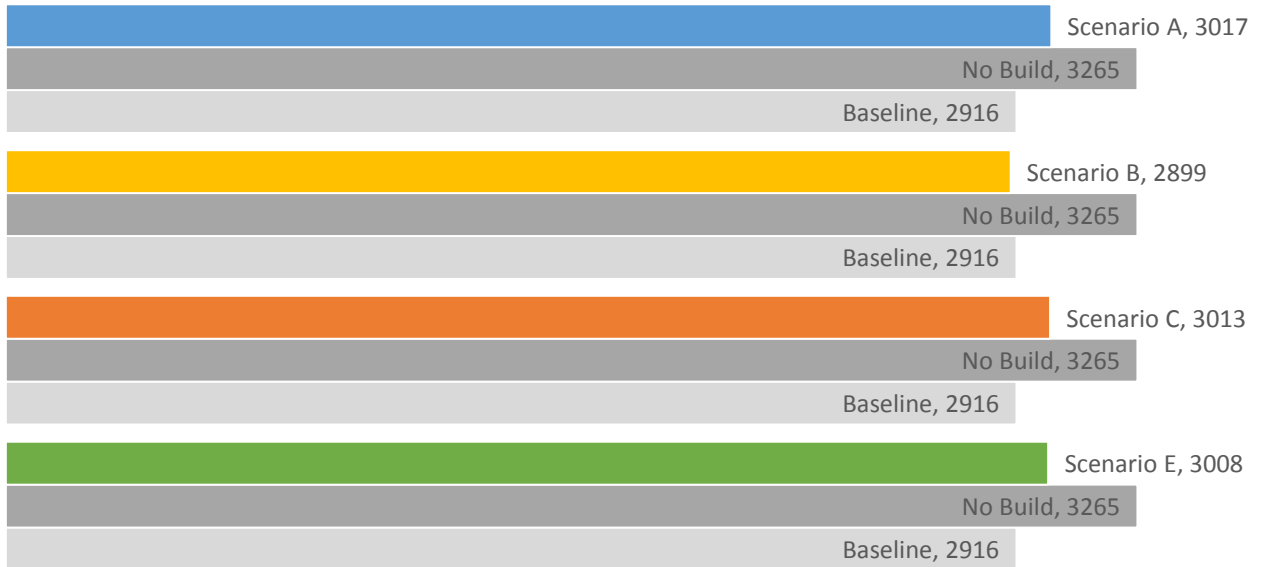
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All Scenarios Comparison

GOAL 1 Safer transportation for all modes.

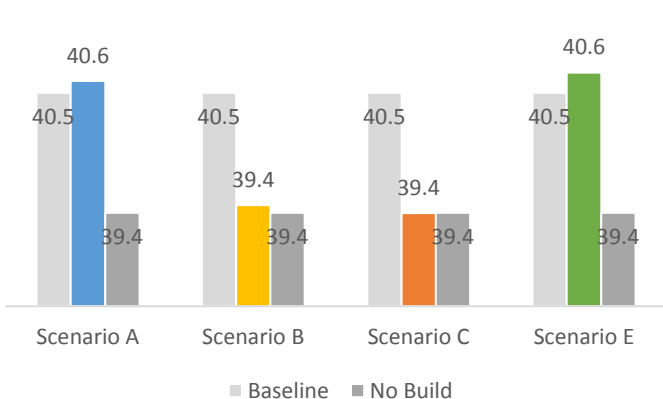
PM: Total Annual Collisions

Fatal, Injury, and Property Damage Only

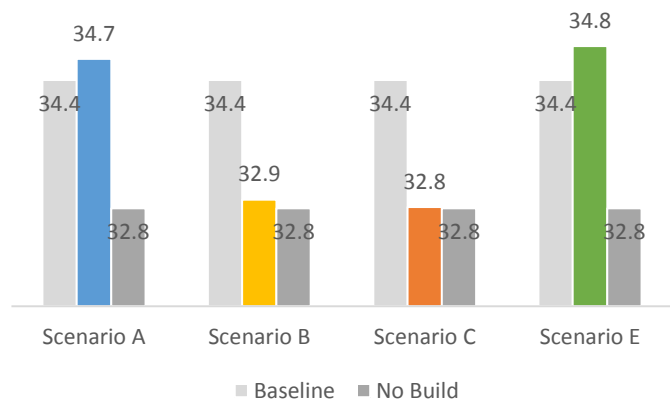


GOAL 2 Reliable and efficient transportation choices that serve the most people and facilitate the transport of goods.

Countywide Mean Auto Speed (MPH)
AM Peak Period (6:00 - 9:00 AM)

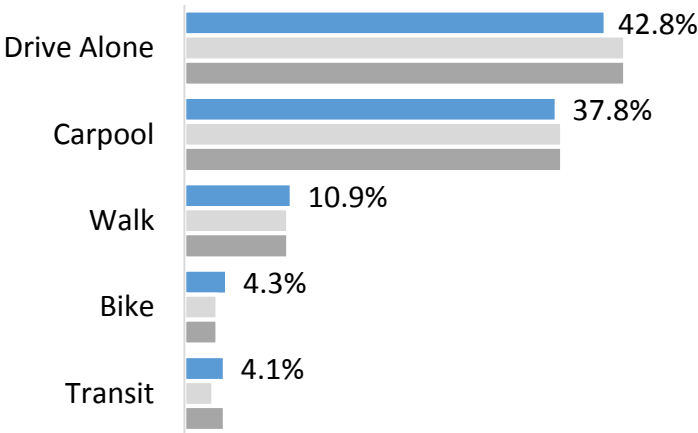


Countywide Mean Auto Speed (MPH)
PM Peak Period (4:00-7:00 PM)

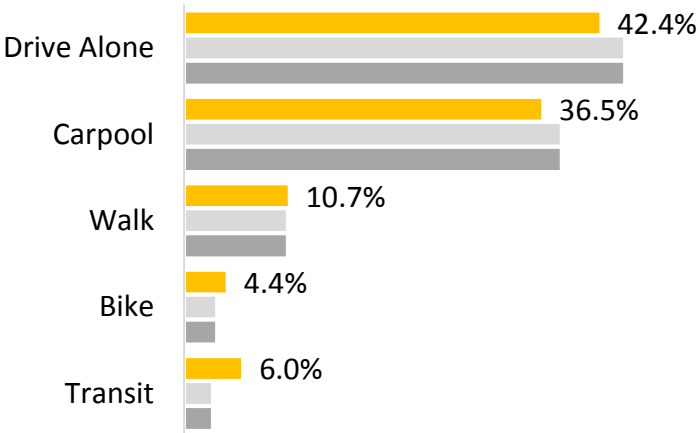


GOAL 2 Reliability and Efficiency (continued)

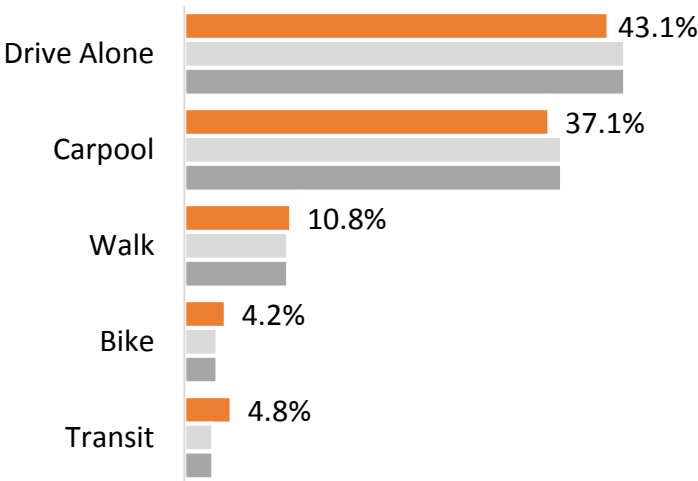
Scenario A Mode Share



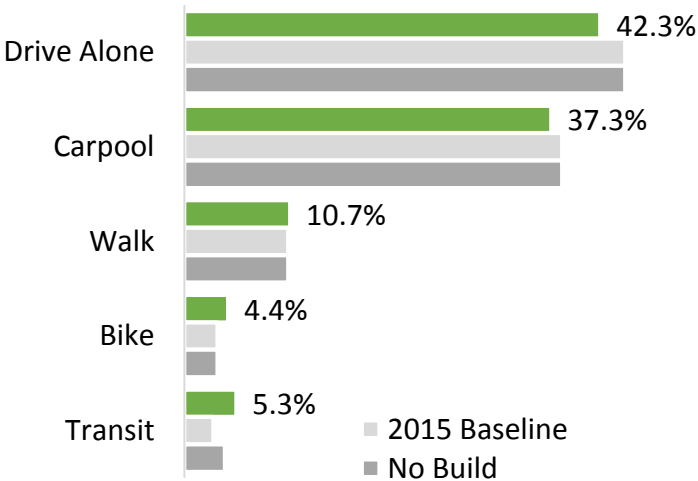
Scenario B Mode Share



Scenario C Mode Share



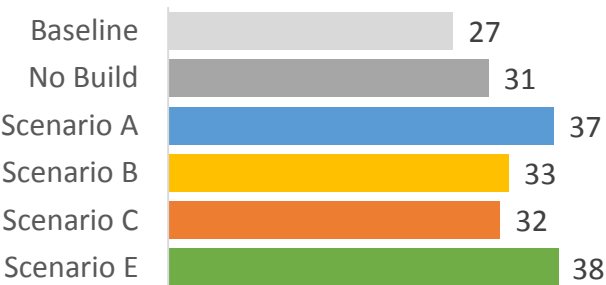
Scenario E Mode Share



2015 Baseline
No Build

2035 Person Trips (4-6pm)

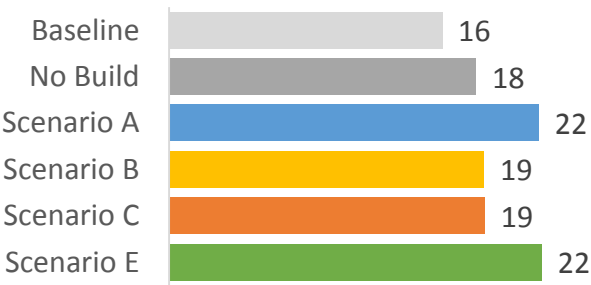
Screenline # 4 at 41st Ave



In thousands

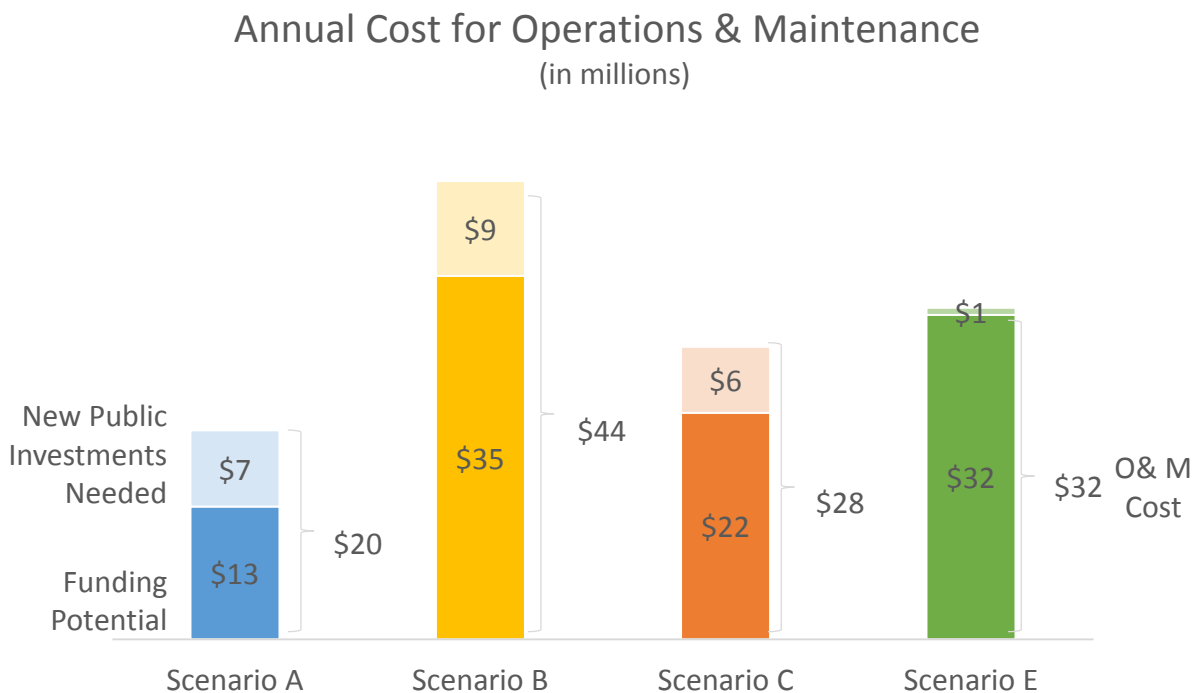
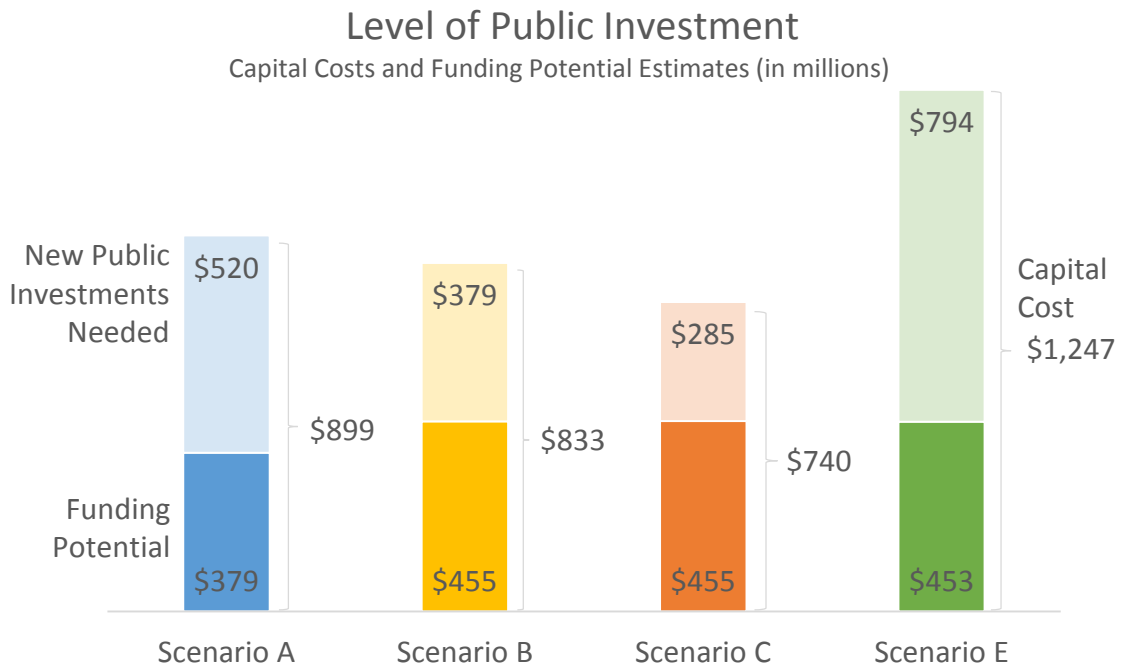
2035 Person Trips (4-6pm)

Screenline # 9 at San Andreas/Freedom

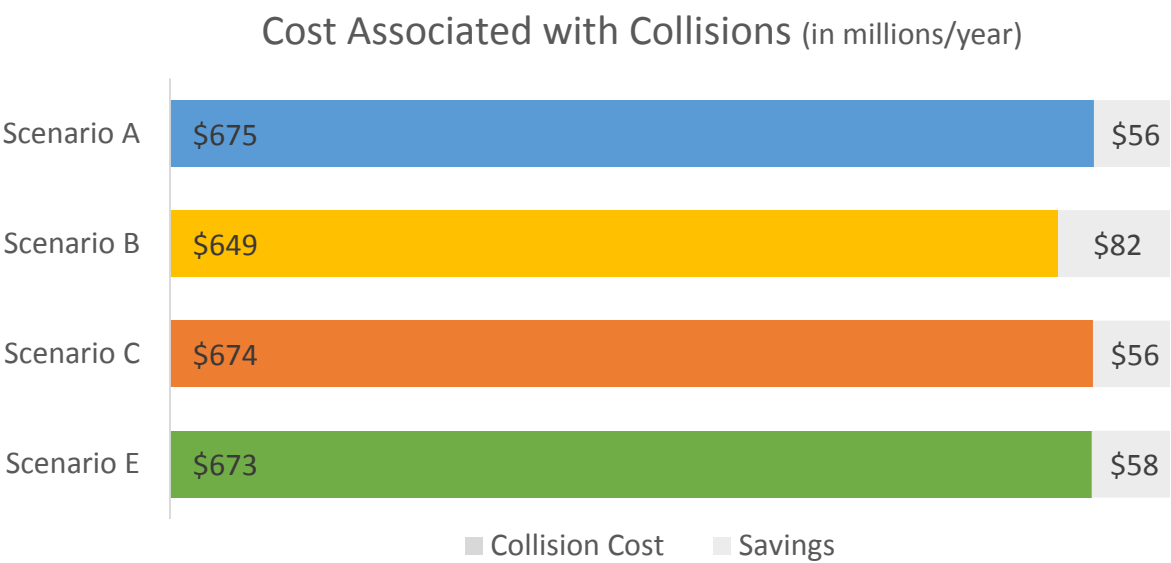
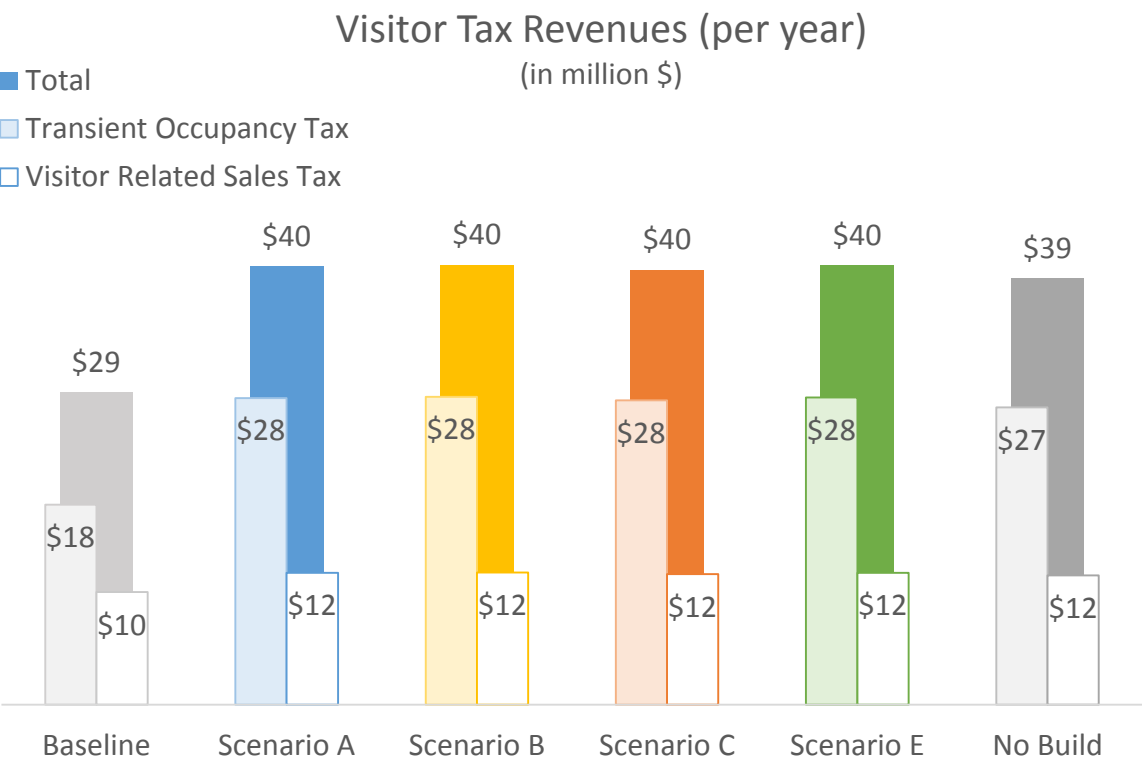


In thousands

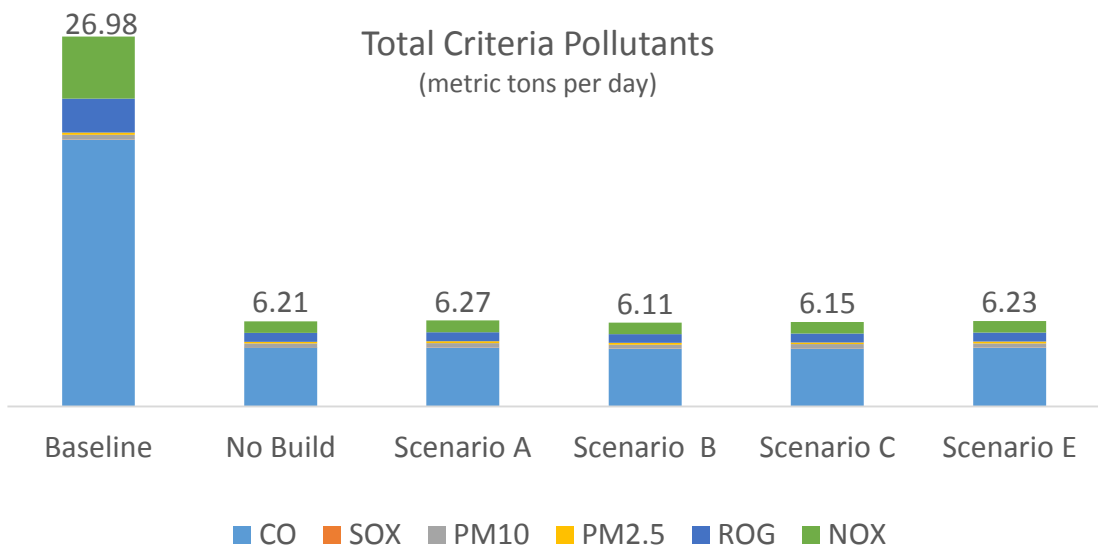
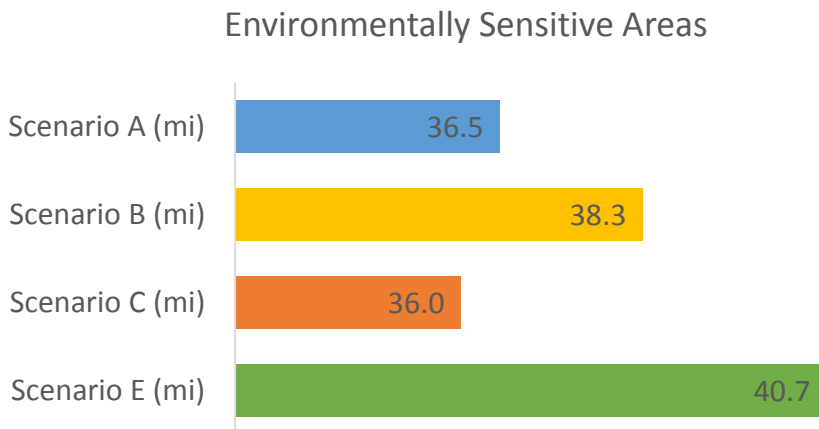
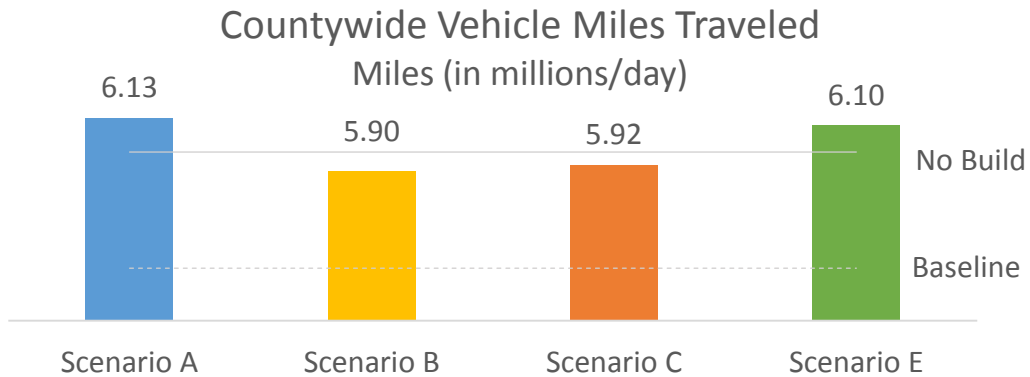
GOAL 3 Develop a well-integrated transportation system that supports economic vitality.



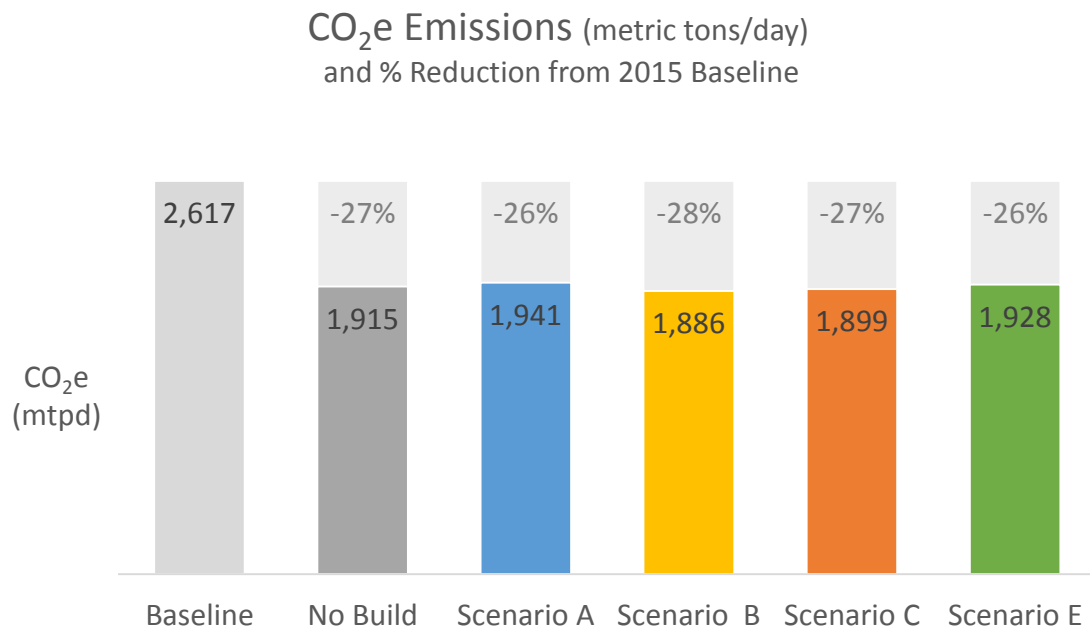
GOAL 3 Economic Vitality (continued)



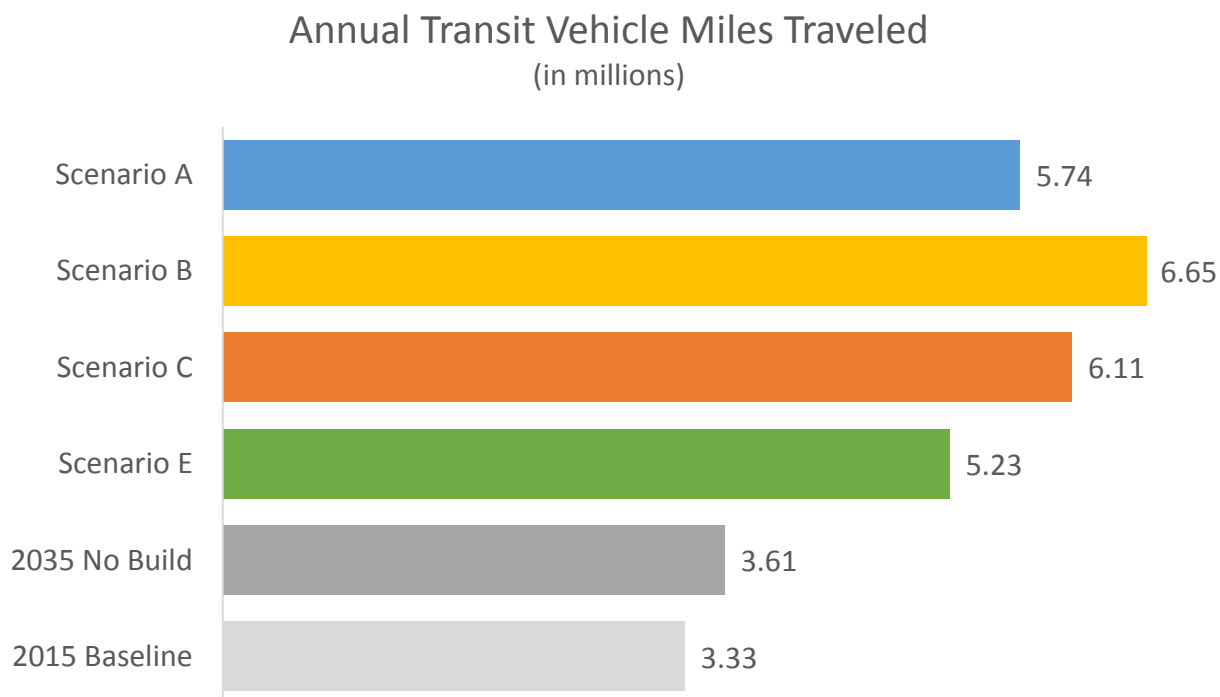
GOAL 4 Minimize environmental concerns and reduce adverse health impacts.



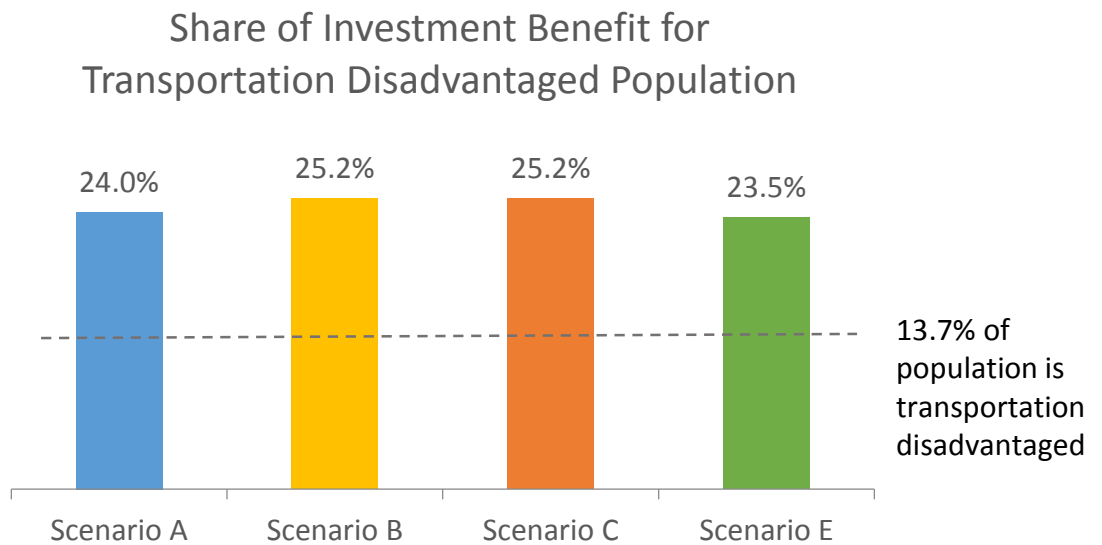
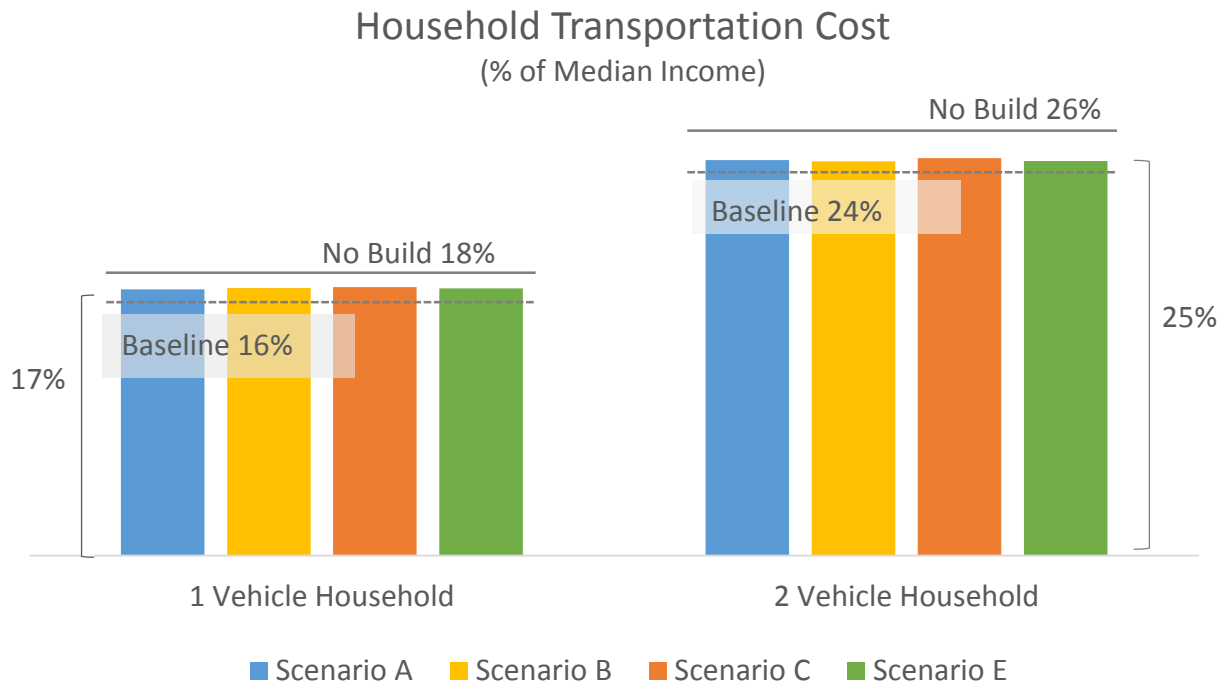
GOAL 4 Environment (continued)



GOAL 5 Accessible and equitable transportation system that is responsive to the needs of all users.



GOAL 5 Equity (continued)





Unified Corridor Investment Study

Highway 1, Soquel Ave/Drive & Freedom Blvd, and the Santa Cruz Branch Rail Line






















































Goals, Criteria and Performance Measures



(RTC Approved - May 4, 2017)

The goals, criteria and performance measures below support a vision for an integrated, multimodal transportation network based on a triple bottom line approach that maximizes the environmental, economic and equity benefits.

Goal	Step 1 Criteria
Promote feasible solutions that address transportation challenges.	Community support and coordination/consistency with local, regional, state and federal plans
	Potential to address transportation challenges and advance environmental, economic and equity goals
	Compatibility with regulatory requirements
	Level of public investment
	Right of way and constructability constraints
	Technological feasibility
Goals	Step 2 Performance Measures
Safer transportation for all modes	Injury and fatal collisions by mode
Reliable and efficient transportation choices that serve the most people and facilitate the transport of goods	Peak period mean automobile travel time
	Peak period mean transit travel time
	Peak period travel time reliability
	Mode share
	Person trips across N-S screenline
Develop a well-integrated transportation system that supports economic vitality	Level of public investment
	Visitor tax revenues
	Cost associated with fatalities and injuries
Minimize environmental concerns and reduce adverse health impacts	Automobile vehicle miles traveled
	Environmentally sensitive areas
	Criteria pollutants
	Greenhouse gas emissions
Accessible and equitable transportation system that is responsive to the needs of all users	Transit Vehicle Miles Traveled
	Household transportation costs
	Benefits and impacts to transportation disadvantaged communities

Unified Corridor Investment Study - Step 2 Scenarios for Analysis
(Approved by RTC on December 7, 2017 *)

	Scenario A	Scenario B	Scenario C	Scenario E	No Build
Highway 1 Projects					
buses on shoulders					
high occupancy vehicle lanes (HOV) and increased transit frequency	 			 	
auxiliary lanes to extend merging distance IN ADDITION TO MEASURE D					
metering of on-ramps					
additional lanes on bridge over San Lorenzo River					
Mission St intersection improvements					
Soquel Avenue/Drive and Freedom Blvd					
bus rapid transit lite (faster boarding, transit signal priority and queue jumps)					
increased frequency of transit with express services					
buffered/protected bike lanes					
intersection improvements for auto					
intersection improvements for bikes/pedestrians	 	 	 	 	
Rail Corridor					
bike and pedestrian trail	 	 	 	 	
local rail transit with interregional connections					
bus rapid transit					
freight service on rail			Only Watsonville 		
Overall Project Area/Connections between Routes					
improved bike/pedestrian facilities throughout urban area closing gaps in network	These projects will be evaluated in all scenarios.				
additional transit connections					
bike share, bike amenities, transit amenities, park and ride lots					
multimodal transportation hubs					
automated vehicles/connected vehicles					
Transportation Demand and System Management					
employers and residences - incentive programs	These projects will be evaluated in all scenarios.				
education and enforcement - electric vehicle, motorist safety, and bike safety					
*Scenarios D and F were eliminated from evaluation in Step 2					bus transit
					rail transit
					auto
				 	bike/ped
					rail freight



*Scenarios D and F were eliminated from evaluation in Step 2

DEPARTMENT OF TRANSPORTATION

50 HIGUERA STREET
SAN LUIS OBISPO, CA 93401-5415
PHONE (805) 549-3101
FAX (805) 549-3329
TTY 711

<http://www.dot.ca.gov/dist05/>



*Flex your power!
Be energy efficient!*

August 2, 2018

George Dondero
Executive Director
Santa Cruz County Regional Transportation Commission
1523 Pacific Avenue
Santa Cruz, CA 95060

Dear Mr. Dondero:

UPDATE OF THE STATE HIGHWAY OPERATION AND PROTECTION PROGRAM (SHOPP) FOR DISTRICT 5

The California Department of Transportation (Caltrans) District 5 has included with this letter the status of SHOPP programming and project initiation documents (PID) under development in Santa Cruz County.

Caltrans is responsible for maintaining and operating approximately 50,000 lane-miles of the state highway system, the backbone of California's transportation infrastructure. This includes monitoring the condition and operational performance of the highways through periodic inspections, traffic studies, and system analysis. The SHOPP is funded through the State Highway Account supporting the State's priority for preserving the existing infrastructure.

For projects in Santa Cruz County that are currently programmed in the SHOPP as of August 2018, please see Attachment 1. For projects currently under PID development and projects that are awaiting programming for the 2020 SHOPP, please see Attachment 2. To view Attachment 2 projects geographically via a WebViewer, please use this [link](#).

We also request that you identify any regionally or locally funded projects that Caltrans should be aware of to discuss proposed scope, funding scenarios, delivery timeframes, potential impacts to the State Highway System, and coordination responsibilities. For Caltrans to add an on-system project into the SHOPP workplan it needs to be in your RTP, be in Caltrans 3-yr workplan, and have an executed cooperative agreement. Please see Attachment 3 for the Caltrans 3-yr workplan.

Please share this information with your member agencies, and encourage them to contact the appropriate project manager for individual projects. For more information, please contact Garin Schneider at 805-549-3640 or email Garin.Schneider@dot.ca.gov.

"Caltrans improves mobility across California"

George Dondero, Executive Director
August 2, 2018
Page 2

Sincerely,

A handwritten signature in blue ink, appearing to read "Aileen Loeb", with a stylized flourish at the end.

For
AILEEN K. LOE
Deputy District Director
Planning and Local Assistance

Attachments

1. Programmed SHOPP Projects
2. 2020 SHOPP Project List
3. 3-yr Workplan

DEPARTMENT OF TRANSPORTATION

CALTRANS DISTRICT 5
50 HIGUERA STREET
SAN LUIS OBISPO, CA 93401-5415
PHONE (805) 549-3101
FAX (805) 549-3329
TTY 711
<http://www.dot.ca.gov/dist05/>



*Making Conservation
a California Way of Life.*

July 18, 2018

Santa Cruz County; Jennifer Calate

Caltrans District 5 Program/Project Management is pleased to provide you with this list of programmed 2018 SHOPP projects as of July 2018. This list will update you on the current status of active, programmed 2018 SHOPP projects in your county and is sent to you semi-annually. We hope it will be helpful to you, your local agencies, and your Board.

The projects on the attached list are part of the 2018 SHOPP and include projects carried over from the 2016 SHOPP, Caltrans Minor A projects, and emergency projects in progress. Completed programmed projects are not included on the list. The 2018 SHOPP became effective March 21-22, 2018. There are two changes to this list from what you are used to receiving. I have included a column titled "Contract Acceptance (Target Date)" which reflects the date we anticipate construction will end and a column titled "SB-1 Funds" which indicates whether that project is receiving SB1 SHOPP Augmentation funds.

Please contact the Project Managers for further information regarding these projects. We also ask that you direct calls from the public or other agencies to the appropriate Project Manager for the most current and detailed information.

To obtain additional general information as well as project specific Caltrans SHOPP information, please access the following link: <http://www.dot.ca.gov/hq/transprog/shopp.htm>

You can also review more detailed project specific information online by viewing the current projects listed on the District 5 webpage: <http://www.dot.ca.gov/d5/> . If you have questions about the information contained in the Current Status of Projects, please contact the appropriate Project Manager.

Please contact me if you have any questions regarding this list. I welcome any suggestions to improve the list for everyone's benefit.

Sincerely,

Sherri Martin, ATP
Programming Unit, Project Management
SHOPP & FTIP Coordinator
(805) 549-3788

Enclosure

c. Aileen Loe; Garin Schneider; Kelly McClendon; Terri Persons; Richard Rosales, Luis Duazo, Doug Hessing, Mike Lew; and Zeke Dellamas



PROGRAMMED/FUNDED SHOPP PROJECTS

July 2018 Semi-Annual List

Route	Post Miles	EA Project Identifier	PPNO	Project Description	Project Name	Current Project Phase	Ready to List (Target/Actual)	Contract Acceptance (Target Date) Anticipated end of construction	Project Manager Phone # Email	SB-1 Funds	Cost (\$1,000) CON/RW
Programmed in 14/15 FY											
129	9.5/10.0	0T540 050000857	2285	In Santa Cruz County, west of Chittenden Road. Improve roadway alignment.	Hwy 129 Realignment	CON	4/1/2015(A)	7/16/2018	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$5,456 Award/\$101
Programmed in 15/16 FY											
17	1.0/1.4	0Q600 0500020290	1989	Near Santa Cruz, from 0.2 mile north of Pasatiempo Overcrossing to Beulah Park Undercrossing. Storm water mitigation.	Hwy 17 Storm Water Mitigation	CON	5/2/2016(A)	4/17/2020	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$6,768 Award/\$37
1	R7.5/17.4	1C100 0512000074	2358	In and near the city of Santa Cruz, on Route 1, also on Route 17 (PM 0.0/6.3) at various locations. Construct roadside paving, access gates, and relocate facilities.	Santa Cruz Worker Safety	CON	6/29/2016 (A)	7/1/2019	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	No	\$1,767 Award/\$0
Programmed in 16/17 FY											
129	1.8/9.5	1F030 0513000037	2476	Near Watsonville, from east of Lakeview Road to west of Old Chittenden Road; also from the Santa Cruz/San Benito County line to School Road (PM 0.0/0.4). Place open graded friction pavement and upgrade guardrail.(Project in SCR; some work in SBT)	129 Open Grade Overlay and MBGR Upgrade	CON	10/17/2016(A)	11/30/2018	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$4,346 Award/\$61
Programmed in 17/18 FY											
Mon, SCR, SBT - Var	Various	1G910 0515000136	N/A	In Monterey, Santa Cruz and San Benito Counties, on various routes at various locations. Signs. (Project in MON; some work in SCR & SBT)	North District One Way Signs	CON	1/10/2018 (A)	4/30/2019 (T)	Aaron Henkel 805-549-3084 aaron.henkel@dot.ca.gov	No	\$879,900.00 Award/\$0
129	3.0/3.5	1F350 0513000103	2506	Near Watsonville, realign Carlton Road. Construct a new intersection and a left-turn channelization.	Hwy 129/Carlton Rd. Accel and Decel Lanes	CON	3/22/2018 (A)	11/12/2019	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$2,664 Award/\$457
17	6.0/12.6	1F760 0514000051	2538	In and near Scotts Valley, from north of Santa's Village Road to the Santa Clara County line. Pavement rehabilitation. *Request for funds was submitted for the August CTC meeting and construction will begin once award occurs.	North Route 17 CAPM	*CON	6/14/2018 (A)	11/25/2020	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	TBD	\$15,381/\$7
1	VAR	1F520 0514000005	2585	Near the city of Santa Cruz, on Routes 1 and 17 at various locations. Bridge rail replacement and upgrades. This project will be combined with 1C850 for construction (1C85U).	Santa Cruz Bridge Rails	PS&E/RW	6/14/2018 (A)	9/1/2019	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	TBD	\$4,167/\$0
1	10.2/17.5	1C850 0512000240	2432	Near the city of Santa Cruz, from North Aptos Underpass to Route 9. Rehabilitate pavement. This project will be combined with 1F520 for construction (1C85U).	SCR-1 Pavement Overlay	PS&E/RW	6/22/2018 (A)	11/21/2019	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	TBD	\$14,952/\$19
Programmed in 17/18 FY (continued)											
9	22.1/23.8	1C650 0512000185	2418	In Castle Rock State Park, from 5 miles south to 3.3 miles south of Route 35. Widen shoulders, replace guardrail and construct centerline rumble strips. *Request for funds was submitted for the August CTC meeting and construction will begin once project is awarded.	Hwy 9 Shoulder Widening, Guardrail Upgrades, and Center Rumble Strips	*CON	6/21/2018 (A)	11/5/2020	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$7,658/\$20
152	1.3/R2.0	1E020 0513000025	2464	In Watsonville, from Wagner Avenue to Holohan Road. Construct pedestrian infrastructure. *Request for funds was submitted for the August CTC meeting and construction will begin once award occurs.	SCR 152 ADA	*CON	6/21/2018 (A)	12/23/2019	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$1,709/\$195

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PROGRAMMED/FUNDED SHOPP PROJECTS

July 2018 Semi-Annual List

Route	Post Miles	EA Project Identifier	PPNO	Project Description	Project Name	Current Project Phase	Ready to List (Target/Actual)	Contract Acceptance (Target Date) Anticipated end of construction	Project Manager Phone # Email	SB-1 Funds	Cost (\$1,000) CON/RW
17	0.2/0.5	1C670 0512000194	2422	Near the city of Santa Cruz, from southbound exit ramp to Route 1 to entrance ramp from Pasatiempo Drive. Widen shoulder and construct retaining wall.	Pasatiempo Shoulder Widening	PS&E/RW	6/27/2018 (A)	1/2/2020	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	No	\$5,713/\$181
1,9,35,236	VAR	1H790 0516000152	2689	In Santa Cruz County, on Routes 1, 9, 35, and 236 in various locations. Emergency Contract project. EFA #05A1960	Storm Damage Repair @ multiple sites	CON	N/A	N/A	Zeke Dellamas 805-549-3315 zeke.dellamas@dot.ca.gov	No	\$8,000/\$100
9	11.0/11.0	1J400 0517000095	2730	In Santa Cruz County, near Brookdale at PM 11.0. Construct Sidehill Viaduct. EFA 05A2016	Brookdale Viaduct	CON	N/A	N/A	Zeke Dellamas 805-549-3315 zeke.dellamas@dot.ca.gov	No	\$4,400/\$30
9, 236	VAR	1K170 0518000134	2881	In Santa Cruz County at various locations. Repair drainage systems and restore roadway. EFA 05A2100	Repair Drainage and Restore Roadway	CON	N/A	N/A	Zeke Dellamas 805-549-3315 zeke.dellamas@dot.ca.gov	No	\$314/\$0
1	36.0/37.5	1K230 0518000140	2887	In Santa Cruz County at Waddell Bluffs. Clear slide material and repair fence. EFA 05A2107	Waddell Side Removal	CON	N/A	N/A	Zeke Dellamas 805-549-3315 zeke.dellamas@dot.ca.gov	No	\$314/\$0
VAR	VAR	1K240 0518000141	2888	IN Monterey, Santa Cruz, San Benito, San Luis Obispo and Santa Barbara Counties on various routes at various locations. Repair electrical systems. EFA 05A2102. (Project in MON, SCR, SBT, SLO and SB counties.)	Electrical Repair Work	CON	N/A	N/A	Zeke Dellamas 805-549-3315 zeke.dellamas@dot.ca.gov	No	\$314/\$0

Programmed in 18/19

VAR	VAR	1G160 0514000118	2590	In Santa Cruz County, on Routes 1, 9, 17, 129, and 152 at various locations. Install Accessible Pedestrian Signals (APS).	Santa Cruz County APS	PS&E/RW	1/11/2019 (T)	8/3/2020	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$1,582/\$11
1	R0.0/R8.1	1C980 0513000021	2452	In Santa Cruz and Monterey Counties, from south of Salinas Road to south of Larkin Valley Road Undercrossing. Construct maintenance vehicle pull outs, repairing guardrail, improve gate access and replace irrigation equipment. (Project in MON; some work in SCR.)	MON SCR Roadside Safety	PS&E/RW	2/27/2019 (T)	3/19/2020	Carla Yu 805-549-3794 carla.yu@dot.ca.gov	No	\$2,900/\$5
17	0.7/1.4	0Q601 0514000145	1989Y	In Santa Cruz, from 0.7 mile north of Route 1/17 Separation to Beulah Park Undercrossing. Landscape mitigation for 0Q600.	Hwy 17 Storm Water Mitigation Landscape	PS&E/RW	3/29/2019 (T)	4/13/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$507 Award/\$0
VAR	VAR	1G310 0514000140	2595	In Monterey, Santa Cruz and San Benito counties, on various routes at various locations. Replace and install advance curve warning signs. (Project in MON; also in SCR & SBT Counties)	Warning Sign Upgrades	PS&E/RW	4/24/2019 (T)	5/12/2020	Joe Erwin 805-549-3792 joe.erwin@dot.ca.gov	No	\$1,852/\$48

Programmed in 19/20

VAR	VAR	1H040 0516000015	2634	In Monterey County and Santa Cruz Counties, on Various Routes and locations. Replace overhead signs. (Project in MON; some work in SCR.)	Box Beam Overhead Signs	PS&E/RW	10/15/2019 (T)	3/11/2021	Aaron Henkel 805-549-3084 aaron.henkel@dot.ca.gov	No	\$1,680/\$0
1,17	16.7/16.7, 0.3/0.3	1H060 0516000020	2636	In and near Santa Cruz, from 0.1 mile south of Route 1/17 Separation to 0.4 mile south of Pasatiempo Overcrossing; also on Route 17 (PM 0.0/0.3). Realign southbound Route 17 connector to southbound Route 1.	Pasatiempo II	PS&E/RW	11/1/2019 (T)	7/1/2021	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	No	\$5,811/\$658
9	15	1K140 0518000127	2875	In Santa Cruz County on Route 9 near Boulder Creek at Spring Creek Road. Construct Soldier Pile Retaining Wall, restore roadway and drainage facilities, install permanent erosion control. *Amendment request submitted for August CTC meeting.	PM15 Soldier Pile Wall	*PA&ED	11/21/2019 (T)	1/26/2022	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	TBD	\$2,779/\$3

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PROGRAMMED/FUNDED SHOPP PROJECTS

July 2018 Semi-Annual List

Route	Post Miles	EA Project Identifier	PPNO	Project Description	Project Name	Current Project Phase	Ready to List (Target/Actual)	Contract Acceptance (Target Date) Anticipated end of construction	Project Manager Phone # Email	SB-1 Funds	Cost (\$1,000) CON/RW
VAR	VAR	1H990 0517000047	2735	n various counties, on various routes and at various locations. Replace and upgrade existing detection field elements for the Traffic Management System (TMS). (Project in MON, SBt, SCR, SLO and SB counties)*SB1.	TMS Detection Repair.	PA&ED	4/1/2020 (T)	4/5/2021	Brandy Rider 805-549-3620 brandy.rider@dot.ca.gov	Yes	\$3,200/\$21
9	0.1/7.5	1F920 0514000075	2569	In and near the city of Santa Cruz, from Route 1 to north of Fall Creek Drive. Stormwater improvements.	SCR 9 South Drainage and Erosion Control Improvements	PS&E/RW	5/4/2020 (T)	11/1/2021	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$2,024/\$86
129	1.4	1G990 0516000010	2625	Near Watsonville, at Lakeview Road. Construct roundabout and improve street lighting.	129/Lakeview Intersection Project	PS&E/RW	6/1/2020 (T)	9/1/2022	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	No	\$4,481/\$749

Programmed in 20/21

9	19.97/19.97	1K130 0518000126	2876	In Santa Cruz County near Boulder Creek about 1.1 mile south of Junction 236/9. Construct Soldier Tieback Retaining Wall. *Amendment request submitted for August CTC meeting.	PM 19.97 Hairpin Tieback Route 9	*PA&ED	11/13/2020 (T)	10/6/2022	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	TBD	\$2,638/\$11
VAR	VAR	1G960 0516000006	2628	In Santa Barbara County, San Luis Obispo, Monterey and Santa Cruz Counties on Routes 1, 101, 129, 135, 156 and 246 at various locations. Install Accessible Pedestrian Signal (APS) push buttons, Countdown Pedestrian Signal (CPS) heads, pedestrian barricades, and crosswalk signage to improve pedestrian and bicycle safety. (Project in MON, SCR, SLO and SB counties).	Pedestrian Signals #2	PA&ED	1/4/2021 (T)	11/1/2022	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$2,232/\$16
17	9.1/9.9	1G260 0514000131	2593	Near Scotts Valley, from 0.06 miles south of Laurel Road to 0.25 miles north of Laurel Road. Construct wildlife undercrossing. SHOPP Financial Contributions \$3,155 for PA&ED, PS&E and R/W only. Local contributions to fund remaining components.	Wildlife Habitat Crossing	PS&E/RW	2/8/2021 (T)	7/13/2023	Aaron Henkel 805-549-3084 aaron.henkel@dot.ca.gov	No	\$0/\$138
1	31.9/35.7	0J200 0512000069	1967	On Route 1 in Santa Cruz county near Davenport and south of Waddell creek from PM 31.9 to 35.7. Replace Culverts. *SB1.	Davenport Culvert Replacement	PA&ED	4/12/2021 (T)	9/22/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	Yes	\$3,570/\$84

Programmed in 21/22

1	13.31	1H480 0516000079	2736	In Capitola, at Soquel Creek Bridge No. 36-0013. Place Rock Slope Protection (RSP) to protect bridge foundation.	Soquel Creek Scour Protection	PA&ED	7/1/2021 (T)	9/29/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$2,228/\$546
9	13.6/15.5	1H470 0516000078	2655	Near Boulder Creek, at San Lorenzo River Bridge No. 36-0052 (PM 13.61) and Kings Creek Bridge No. 36-0054 (PM 15.49). Replace bridges to maintain standards of safety and reliability. *SB1.	San Lorenzo River Bridge & Kings Creek Bridge Replacement	PA&ED	1/24/2022 (T)	3/27/2026	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	Yes	\$11,928/\$660
9	8.5/25.5	1G950 0516000005	2627	In Santa Cruz County, near Ben Lomond, from Holiday Lane to 4.7 miles north of the northern junction of Routes 236/9. Replace failed culverts systems and construct energy dissipaters.	Santa Cruz 9 Upper Drainage and Erosion Control Improvements	PA&ED	3/29/2022 (T)	3/10/2025	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$5,361/\$271
152	1.9/R2.0	1F620 0514000039	2530	In Santa Cruz County, near Watsonville, from 0.1 mile east of Beverly Drive to Holohan Road/College Road. Construct pedestrian bridge next to the Corralitos Creek Bridge, concrete barrier, retaining wall, curb, gutter and sidewalk to meet ADA standards.	Corralitos Creek ADA	PA&ED	4/1/2022 (T)	9/13/2023	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$3,205/\$247

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Santa Cruz County

2020 SHOPP

EA	Category - Project Description	Route	Postmile	Project Location	Project Manager
1K640	Drainage and Facilities Improvements	1	R0.0/7.70	In Santa Cruz County at various locations	Luis Duazo (805) 542-4678
1J960	Transportation Management Systems (TMS)- Remove Thrie beam barrier and install concrete barrier, install lighting at interchanges, install count stations, restore the drainage system.	1	8.2/26	In Santa Cruz County, from 0.5 mile north of Larkin Valley Rd. to Laguna Rd.	Luis Duazo (805) 542-4678
1K120	Major Damage - Construct sidehill viaduct, restore roadway and facilities, place Water Pollution Control BMPs, required ecological mitigation, and provide temporary traffic control.	9 Added to 2018 SHOPP 8/18	1/1	Near the City of Santa Cruz, 0.5 mile north of Vernon Street.	Doug Hessing (805) 549-3386
1K060	Major Damage - Construct viaduct wall extension, restore roadway and facilities, place Water Pollution Control BMPs, required ecological mitigation, and provide temporary traffic control.	9	10.8/10.8	Near Ben Lomond, 0.6 mile south of California Drive Street.	Doug Hessing (805) 549-3386
1K140	Major Damage - Construct soldier pill wall, restore roadway and facilities, install Water Pollution Control BMP and mitigation measures and temporary traffic control	9 Added to 2018 SHOPP 8/18	15/15	In Santa Cruz County near Boulder Creek at Spring Creek Road.	Doug Hessing (805) 549-3386
1K130	Major Damage- Construct tieback wall, restore roadway and facilities, place Water Pollution Control BMPs, erosion control, and required mitigation, and provide temporary traffic control.	9 Added to 2018 SHOPP 8/18	19.97/19.97	Near Boulder Creek, 1.1 mile south of 236/9 junction.	Doug Hessing (805) 549-3386
1K070	Major Damage- Construct viaduct wall extension, restore roadway and facilities, install BMP, required mitigation and temporary traffic control	17	8.2/8.2	Near Ben Lomond, 0.6 mile south of California Drive Street.	Brandy Rider (805) 549-3620
1K670	Drainage Improvements	17	12.50	In Santa Cruz County at various locations	Doug Hessing (805) 549-3386

ATTACHMENT 2

Note: For project-specific questions, contact the corresponding project manager.
For general PID program & planning questions contact Garin Schneider at (805) 549-3640

August 2018

1J830	Transportation Management Systems (TMS)- Rehab lighting stations, replace sign panels, restore pavement	129	L0.0/0.56	Near Watsonville from Route 129/1 separation to Salsipuedes Creek Bridge.	Doug Hessing (805) 549-3386
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ATTACHMENT 2

August 2018