



Regional Transportation Planning Agency - Local Transportation Commission
Monterey County Service Authority for Freeways & Expressways
Monterey County Regional Development Impact Fee Joint Powers Agency
Email: info@tamcmonterey.org

BICYCLE AND PEDESTRIAN FACILITIES ADVISORY COMMITTEE

Wednesday, September 7, 2022

****6:00 PM****

REMOTE CONFERENCING ONLY

There will be NO physical location of the meeting.

Please see all the special meeting instructions at the end of this agenda

Join meeting online at:

<https://us02web.zoom.us/j/990276709?pwd=QXBRbWF6ajh6M3dOR3hhbGloRlhRZz09>

OR

By teleconference at: +1 669 900 6833

Meeting ID: 990 276 709

Password: 352877

Any person who has a question concerning an item on this agenda may call the Agency Secretary to make inquiry concerning the nature of the item described on the agenda.

1. ROLL CALL

Call to order and self-introductions. Committee bylaws specify that a quorum shall consist of a majority (7) of the number of voting memberships actually filled at that time (13); the existence of any vacancies shall not be counted for purposes of establishing a quorum. If you are unable to attend, please contact the Transportation Agency. Your courtesy to the other Committee members to assure a quorum is appreciated.

2. PUBLIC COMMENTS

Any member of the public may address the Committee on any item not on the agenda but within the jurisdiction of the Committee. Under this item, each member of

the public is allowed three minutes to address concerns. Comments in items on this agenda may be given when that agenda item is discussed. Persons who wish to address the Committee for public comment or on an item on the agenda are encouraged to submit comments in writing to Maria at maria@tamcmonterey.org by 5:00 pm the Monday before the meeting, and such comments will be distributed to the Committee before the meeting.

3. BEGINNING OF CONSENT AGENDA

Approve the staff recommendations for items listed below by majority vote with one motion. Any member may pull an item off the Consent Agenda to be moved to the end of the **CONSENT AGENDA** for discussion and action.

3.1 APPROVE minutes of the Bicycle and Pedestrian Facilities Advisory Committee meeting of August 3, 2022.

- Montiel

The draft minutes of the August 3, 2022 Bicycle and Pedestrian Facilities Advisory Committee meeting are attached for review.

END OF CONSENT AGENDA

4. RECEIVE a report on the Alisal Complete Streets Project Before and After Study.

- Andrew Easterling, City of Salinas

The Alisal Complete Streets Project reconfigured the street from four travel lanes to three between Front Street and Blanco Road, installing dedicated bike lanes, enhanced crosswalks, and protected left turn phases at traffic signals. The City of Salinas conducted a study collecting traffic data before and after the project was completed.

5. RECEIVE a presentation about the Prunedale US 101 Capital Preventative Maintenance Project - Temporary Bike Shuttle; and **PROVIDE INPUT** on the bike shuttle plan and schedule.

- Jackson Ho, Caltrans District 5 Project Manager

The US 101 Prunedale Capital Preventative Maintenance Project is located on US 101 through Prunedale in Monterey County. A temporary shuttle service will operate during construction to transport pedestrians, bicyclists, and bicyclists' equipment between Sala Road and San Juan Road along US 101 during shoulder closures within construction limits. The temporary shuttle service is free of charge for passengers.

6. **RECEIVE** update on the Monterey-Salinas Transit (MST) SURF! Busway and Bus Rapid Transit project in the Monterey Branch Line corridor.

- Bilse/Overmeyer

The SURF! project will construct a busway and Bus Rapid Transit (BRT) line within the Monterey Branch Line right-of-way, parallel to State Route 1, making it faster and easier to travel between Marina and Seaside. The project also includes bicycle and pedestrian path improvements along Del Monte Road and Beach Range Road. TAMC Principal Engineer Doug Bilse and MST Director of Planning and Innovation Michelle Overmeyer will present a project update reviewing the current schedule, project costs, funding opportunities, and upcoming public outreach.

7. **ANNOUNCEMENTS and/or COMMENTS**

8. **ADJOURN**

ANNOUNCEMENTS

Next Committee meeting:
Wednesday, October 5, 2022 at 6pm

Important Meeting Information

Remote Meetings: On March 12, 2020, Governor Newsom issued Executive Order N-25-20, which enhanced State and Local Governments ability to respond to COVID-19 Pandemic based on Guidance for Gatherings issued by the California Department of Public Health. The Executive Order specifically allowed local legislative bodies to hold meetings via teleconference and to make meetings accessible electronically, in order to protect public health. That order expired on September 30, 2021. Governor Newsom has now signed AB 361, and the TAMC Board of Directors approved a resolution to enact AB 361 on September 22, 2021. This legislation permits teleconferencing for Brown Act meetings during a state of emergency. Thus, TAMC meetings will convene remotely, until further notice. For remote meetings, the public is strongly encouraged to use the Zoom app for best reception. Prior to the meeting, participants should download the Zoom app at: <https://zoom.us/download>. A link to simplified instruction for the use of the Zoom app is: <https://blog.zoom.us/wordpress/2018/07/03/video-communications-best-practice-guide/>.

Remote Meeting Public Comment: Due to current circumstances, there may be limited opportunity to provide verbal comments during remote meetings. Persons who wish to address the Committee for public comment or on an item on the agenda are encouraged to submit comments in writing to maria@tamcmonterey.org by 5:00pm the Monday before the meeting. Such comments will be distributed to the Committee before the meeting. Members of the public participating by Zoom are instructed to be on mute during the proceedings and to speak only when public comment is allowed, after requesting and receiving recognition from the Chair.

Agenda Packet and Documents: Any person who has a question concerning an item on this agenda may call or email the Agency office to make inquiry concerning the nature of the item described on the agenda. Complete agenda packets are on display online at the Transportation Agency for Monterey County website. Documents relating to an item on the open session that are distributed to the Committee less than 72 hours prior to the meeting shall be available for public review at the Agency website. Agency contact information is as follows:

Transportation Agency for Monterey County
www.tamcmonterey.org
Office is closed an all employees are working remotely until further notice
TEL: 831-775-0903
EMAIL: info@tamcmonterey.org

Agenda Items: The agenda will be prepared by Agency staff and will close at noon nine (9) working days before the regular meeting. Any member of the Committee may request in writing an item to appear on the agenda. The request shall be made by the agenda deadline and any supporting papers must be furnished by that time or be readily available.

Alternative Agenda Format and Auxiliary Aids: If requested, the agenda shall be made available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 USC Sec. 12132), and the federal rules and regulations adopted in implementation thereof. Individuals requesting a disability-related modification or accommodation, including auxiliary aids or services, may contact Transportation Agency staff at 831-775-0903. Auxiliary aids or services include wheelchair accessible facilities, sign language interpreters, Spanish language interpreters, and printed materials in large print, Braille or on disk. These requests may be made by a person with a disability who requires a modification or accommodation in order to participate in the public meeting and should be made at least 72 hours before the meeting. All reasonable efforts will be made to accommodate the request.

CORRESPONDENCE, MEDIA CLIPPINGS, & REPORTS

Correspondence

Media Clipping - No items this month.

Reports - No items this month.



Memorandum

To: Bicycle and Pedestrian Facilities Advisory Committee
From: Maria Montiel, Administrative Assistant
Meeting Date: September 7, 2022
Subject: **Draft BPC August Minutes**

RECOMMENDED ACTION:

APPROVE minutes of the Bicycle and Pedestrian Facilities Advisory Committee meeting of August 3, 2022.

SUMMARY:

The draft minutes of the August 3, 2022 Bicycle and Pedestrian Facilities Advisory Committee meeting are attached for review.

ATTACHMENTS:

- ▢ Draft August BPC Minutes

**TRANSPORTATION AGENCY FOR MONTEREY COUNTY (TAMC)
Bicycle and Pedestrian Facilities Advisory Committee**

Draft Minutes of August 3, 2022

Held remotely via Zoom due to COVID-19 pandemic

Voting Members	NOV 21	JAN 22	FEB 22	MAR 22	APR 22	MAY 22	JUN 22	AUG 22
Eric Petersen, District 1	P	P	A	P	P	E	P	P
Pete Scudder – District 2 <i>(David Tavarez)</i>	E	P	P	P	P	E	E	P
Mike Novo – District 3, Chair	P	P	P	E	P	P	P	E
Jeff Wriedt, District 4 <i>(Frank Henderson)</i>	P	P	P	P	P	P	P	P
Martin Wegenstein, District 5, Vice Chair <i>(Jeff Lindenthal)</i>	P	P	P	P	P	P	P	P
D. L. Johnson, Carmel-By-The Sea	P	P	A	P	P	P	P	P
Celine Pinet, Del Rey Oaks	P	E	P	P	P	P	P	E
Gonzales - Vacant	-	-	-	-	-	-	-	-
Ernest Gallardo, Greenfield	P	P	P	P	E	P	E	P
Michael LeBarre, King City	P	P	P	P	P	P	P	P
Marina - Vacant	P		-	-	-	-	-	-
Gino Garcia, Monterey <i>(Abby Ostovar)</i>	P	P	P	P	P	E	P	P
Vacant, Pacific Grove <i>(Jung Hwa Kim)</i>	P	P	P	P	P	P	P(A)	-
Chris Flescher, Salinas <i>(Mark Lasnik)</i>	P	P	P	P	P	P	P	P
Elizabeth (Libby) Sofer, Sand City	P	P	P	P	P		P	P
Ralph Wege, Seaside <i>(Jan Valencia)</i>	P	P	P(A)	P	P	P	E	P
Soledad - Vacant	-	-	-	-	-	-	-	-
Monterey Salinas Transit - Vacant	P	P	P	P	P	P	E	-
Vera Noghera, Velo Club of Monterey <i>(Alex Capelli)</i>	-	P	E	P(A)	P	P	P	P
N. County Recreation & Park District - Vacant	P	P	P	P	E	E	P	-
Salinas Public Works - Vacant	-	-	-	-	-	-	-	-
Monterey County Public Works – Vacant	-	-	-	-	-	-	-	-
Caltrans - District 5 - Vacant	-	-	-	-	-	-	-	-
Miranda Taylor, AMBAG <i>(Will Condon)</i>	P	P	P	P	P	P	E	P
Matthew McCluney - CSUMB	P	P	P	P	P	P	P	P

E – Excused
P(A) – Alternate
A - Absent

VC – Video Conference
TC – Teleconference

TRANSPORTATION AGENCY STAFF	NOV 21	JAN 22	FEB 22	MAR 22	APR 22	MAY 22	JUN 22	AUG 22
Todd Muck, Executive Director	P	P	E	E	E	E	E	E
Ariana Green, Principal Transportation Planner	P	P	E	E	E	P	E	E
Maria Montiel, Administrative Assistant	P	P	P	P	P	P	P	P
Mike Zeller, Director of Programing and Project Delivery	E	E	E	E	E	E	E	E
Laurie Williamson, Senior Engineer	E	E	E	E	E	E	E	E
Christina Watson, Director of Planning	P	E	P	P	E	P	P	P
Janneke Strause, Transportation Planner		P	P	P	P	P	P	P
Aaron Hernandez, Assistant Transportation Planner	P	P	P	P	E	E	E	E
Alissa Guther, Assistant Transportation Planner	P	P	E	E	E	P	P	P
Doug Bilse, Principal Engineer					P	E	E	E
OTHERS PRESENT:								
Mari Lynch	Public			Enrique Saavedra		Public Works		
Kate Stern	Public			Robin Lee		Public		
Alexandria Davis	Public			Azusena Ledesma Calderon		Public		
Rawan Al-Jamal	Caltrans D-5			Jeff Railsback		Public		

1. Vice Chair Martin Wegenstein called the meeting to order at 6:00 p.m. A quorum was established, and Maria Montiel took roll call.

2. **PUBLIC COMMENTS**

None.

3. **BEGINNING OF CONSENT AGENDA**

M/S/C Wegenstein/Petersen/unanimous

Abstain: Pete Scudder

3.1 Approved minutes of the Bicycle and Pedestrian Facilities Advisory Committee meeting of June 1, 2022.

Item was pulled for discussion and Committee member Petersen will get the revised information.

3.2 Received a report on California Vehicle Code 21202.

M/S/C Sofer/ Petersen /unanimous

3.3 Approved application for Active Transportation Support Grant funds for Natividad Hospital to receive 2 bike racks and 1 bike locker.

END OF CONSENT AGENDA

4. CALTRANS DISTRICT 5 BICYCLE COORDINATOR

The Committee received an introduction to the new Caltrans District 5 Bicycle Coordinator.

Caltrans District 5, Rawan Al-Jamal is the Branch Chief for Equity, Climate Change & Complete Streets at the Caltrans District 5 office. Ms. Al-Jamal reported that she is new to Caltrans District 5 and she will be the Bicycle Coordinator and responsible for Complete Streets. She noted that the plan could help facilitate bicycle and pedestrian improvements in Monterey County.

Committee member Mike LeBarre noted that anyway we can help you with the new job and constant communication is a good aspect.

Mari Lynch member of public mentioned that the Caltrans District 5 bike coordinator website needs to be updated with Rawan Al-Jamal information. Ms. Al-Jamal replied that the website should be updated soon.

5. MONTEREY COUNTY DAVIS ROAD BRIDGE PROJECT UPDATE

The Committee received an update on Monterey County's Davis Road Bridge Replacement and Road Widening Project.

Enrique Saavedra, Monterey County Public Works presented on the Davis Road Bridge Replacement and Road Widening Project. He noted that it consists of widening a key regional route that connects the two largest population centers in the County. Davis Road experiences daily congestion and does not have existing bicycle facilities. In conclusion Mr. Saavedra noted that the Davis Road project creates an alternative transportation link between the City of Salinas and the City of Marina by widening the roadway and providing 8-foot bike lanes.

Committee member Jeff Wriedt asked if the portion of the roadway that is adjacent to the agriculture fields will be slightly raised up? Mr. Wriedt noted that the dirt and rocks on the bicycle lanes are dangerous. Mr. Saavedra replied that a common problem that we experience throughout the County is the tracking of mud by farm equipment or trucks. Mr. Saavedra noted that the County is working on having driveway access points with drainage and rumble strips to remove most of the dirt and rocks from the trucks and farm equipment.

Robin Lee, member of public asked the reason for not having a class IV. Mr. Saavedra replied that the earlier design phase the County did look into a class IV. But noted that the speeds are too high, narrow width of roadway, and we are preventing taking the agriculture land.

Committee member DL Johnson asked if there will be improvements to Hitchcock Road? Mr. Saavedra replied that yes Hitchcock Road will be re-paved and re-surfaced.

Committee member Ralph Wege asked on the bicycle crossing going left to Highway 68? Mr. Saavedra went over the bicycle and pedestrian crossing options.

Committee member Martin Wegenstein expressed that it is great to see the project plan, timeline, financials and open risks. He had a question on the roundabout crossing lane and was concerned on the safety issues in that section. Mr. Saavedra noted that the bypass lane is design to slow down speeds and noted that the curb is sharp, for everyone slow down on the turn.

6. ANNOUNCEMENTS AND/OR COMMENTS

Committee member DL Johnson asked for an update on the Wayfinding Program at a future meeting date. Mr. Johnson also asked for an update on TAMC projects that are in the works.

Committee member Matthew McCluney announced that California State University, Monterey Bay has a new Transportation Program Manager Sloan Campi will be the new representative.

Committee member Libby Sofer announced the First Friday in Sand City will start this weekend, the murals will start on August 20th and West End will be August 27th and 28th.

Jeff Railsback member of public announced that Central Coast Community Energy is still accepting applications for rebates on e-bikes. For more information visit 3c.org.

M/S/C Wege/ Sofer/unanimous

Committee member Ralph Wege asked for a FORTAG update: conceptual plan and next steps at a future meeting date.

7. ADJOURNMENT

Vice Chair Wegenstein adjourned the meeting at 7:21 p.m.



Memorandum

To: Bicycle and Pedestrian Facilities Advisory Committee
From: Janneke Strause, Transportation Planner
Meeting Date: September 7, 2022
Subject: Alisal Complete Streets Project Update

RECOMMENDED ACTION:

RECEIVE a report on the Alisal Complete Streets Project Before and After Study.

SUMMARY:

The Alisal Complete Streets Project reconfigured the street from four travel lanes to three between Front Street and Blanco Road, installing dedicated bike lanes, enhanced crosswalks, and protected left turn phases at traffic signals. The City of Salinas conducted a study collecting traffic data before and after the project was completed.

FINANCIAL IMPACT:

The Alisal Complete Streets Project is phase I of the Downtown Salinas Complete Streets Project. The Downtown Salinas Complete Streets Project was funded with Measure X bond proceeds of \$1,365,034, Measure X Revenues of \$517,912, leveraging a \$3,112,628 Regional Surface Transportation Program (RSTP) federal grant from the Transportation Agency for Monterey County (TAMC) and other funds secured by the City to cover the total project cost of \$8,417,681.

DISCUSSION:

The Alisal Complete Streets project included a reconfiguration of travel lanes and other improvements along 1.37 miles of Alisal Street between Blanco Road and Front Street. Alisal Street is in a residential neighborhood providing access to a post office, college, court, school district, and more. The project included the following elements:

1. Travel lanes reduction from two lanes in each direction to one lane in each direction with a center turn lane.
2. Dedicated bike lanes in both directions.
3. High visibility crosswalks with Americans with Disabilities Act (ADA) compliant pedestrian ramps.
4. Curb bulb-outs at Homestead Avenue to decrease crossing distance.
5. Traffic signal improvements throughout the corridor.

The Alisal Complete Streets project is phase I of the Downtown Salinas Complete Streets Project. The Downtown Salinas Complete Streets Project is funded through Salinas Measure G, Monterey County Measure X, state SB-1 and Highway Safety Improvement Program (HSIP) grants, and a federal Regional Surface Transportation Program grant. The project budget is as follows:

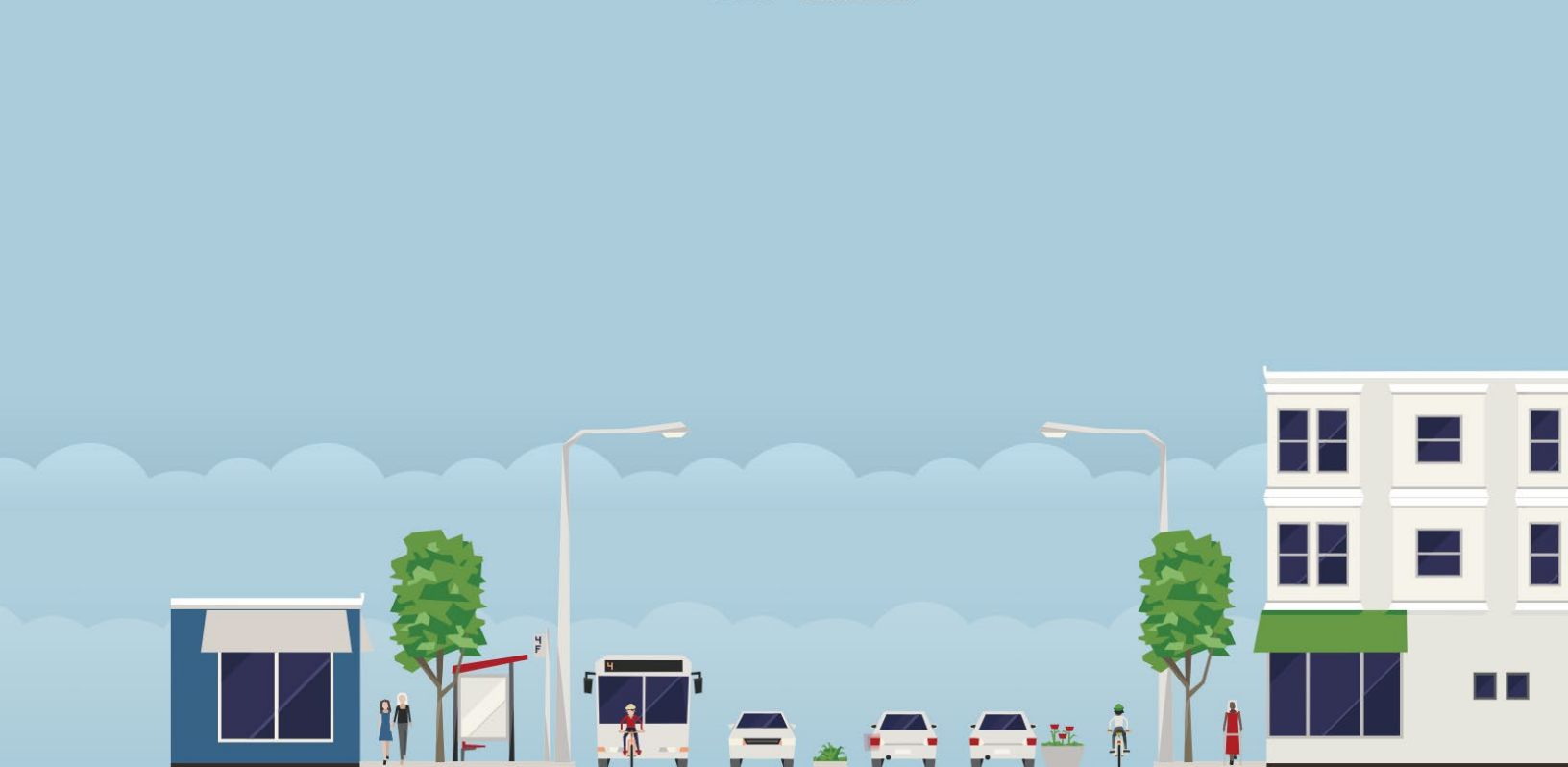
Fund	Amount
Measure G	\$1,140,207
Measure X bond proceeds	\$1,365,034
Measure X Revenue	\$ 517,913

SB 1	\$ 82,442
HSIP	\$2,199,458
RSTP	\$3,112,628
Project Total	\$8,417,681

The City collected traffic data before and after the project was completed to analyze the effects of the Downtown Complete Streets Project along Alisal Street. City staff will present a summary of the before and after data collected by City staff.

ATTACHMENTS:

- Alisal Street Complete Streets Before and After Study



Alisal Street Complete Streets Before and After Study Final

Prepared by:



July 2022



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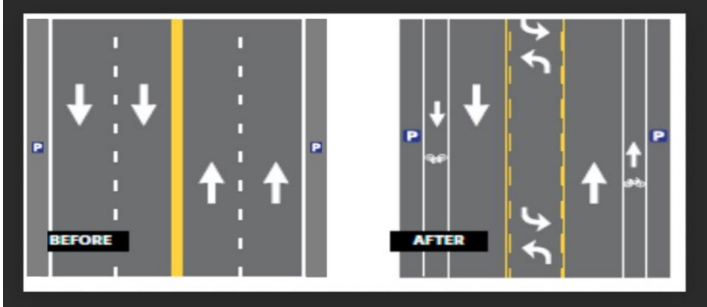
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Executive Summary

This report summarizes traffic and economic conditions before and after the project implementation of the Alisal Street Complete Streets Project. This project is phase I of the Downtown Salinas Complete Streets Project funded by a federal grant from the Highway Safety Improvement Program (HSIP) and a grant from the Transportation Agency for Monterey County (TAMC) for design.

The project included road diet and other improvements along 1.37 miles of Alisal Street between Acacia Street and Front Street. Alisal Street is in a residential neighborhood providing access to a post office, college, court, school district, etc. The project included the following improvements focusing on bicycle and pedestrian safety.

1. Travel lanes reduction from two lanes in each direction to one lane in each direction with a center turn lane. This lane reduction facilitated the accommodation of bike lanes in each direction.
2. High visibility crosswalks with Americans with Disabilities Act (ADA) pedestrian ramps at
 1. Front Street
 2. Homestead Avenue
 3. Acacia Street
3. Curb bulb-outs were included at Homestead Avenue to decrease the crossing distance.
4. Traffic signal improvements throughout the corridor.

The expected benefits from the project improvements are as follows:

- Improved safety through the reduction of crashes and severity of crashes
- Create a calmer traffic environment on Alisal Street through speed reduction
- Enhance travel experience for bicyclists
- Improved pedestrian safety

The project was implemented between April 2020 and April 2021. Traffic and economic data were collected before and after the project implementation in November 2019 (before the project) and in November 2021 (after the project) to assess the impacts of the project. The following data was used for the before and after data analysis:

1. Traffic Volume and Speed
2. Travel Time Runs Along Alisal Street Corridor
3. Vehicle, Bicycle, and Pedestrian Volumes at Intersections
4. Reported Crash Data
5. Sales Tax Receipt for Business Along Alisal Street

The traffic volumes and speeds are expected to decrease along Alisal Street due to the travel lane reductions with a potential concern of an increase in traffic volumes at the other corridors in the vicinity due to potential diversion of traffic from Alisal Street. However, the traffic volumes collected on adjacent corridors in November 2021 are lower than the traffic volumes collected in November 2019 indicating that the traffic conditions did not reach the pre-COVID-19 pandemic conditions. Because of this, the data analysis focused on differentiating project impacts and non-project impacts due to changed conditions where needed. Comparisons were made between the post-project conditions and pre-pandemic conditions in 2019 omitting the conditions in 2020 to avoid the effects of pandemic conditions on the data collected.

Based on the findings of the data analysis, the key conclusions were:

- There is an overall decrease in traffic volumes and speed on Alisal Street with the implementation of complete streets features.
- Traffic Speeds on Alisal Street have decreased but the prevailing speeds still justify keeping the posted speed limits.
- The number of vehicles traveling 10+ mph over the posted speed limit has decreased significantly on Alisal Street (61 percent) and the adjacent corridors (54 percent).
- The traffic volumes have decreased on adjacent corridors. There is no indication that the traffic is diverted from Alisal Street to the adjacent streets due to the roadway capacity reduction on Alisal Street.
- There is an overall decrease in pedestrian volumes along Alisal Street and other intersections by 38 percent. The overall reduction in pedestrian volumes indicates that the project improvements did not have a direct impact on changes in pedestrian volumes. Travel pattern changes due to the COVID-19 pandemic may be attributed to this change.
- The bicycle volume along Alisal Street decreased in the AM peak (31 percent) and mid-day peak (8 percent) periods, while the bicycle volume increased in the PM peak by 15 percent. The increase in the PM peak bicycle usage for recreational purposes along Alisal Street may be attributed to the project improvements but cannot be concluded without additional analysis.
- The average travel time has increased in both eastbound and westbound directions during the AM peak and Noon peak periods. The average travel time has decreased during the PM peak. The decrease in PM peak traffic volume is greater than the decrease in AM peak and noon peak traffic volumes. In addition to a travel lane removal, there are other factors like the exclusive pedestrian phase contributing to delay and subsequent reduction of travel times on Alisal Street. The following recommendations are made to mitigate the unnecessary delays.

- a. Remove the exclusive pedestrian phase
 - b. Consider the implementation of Leading Pedestrian Interval (LPI)
 - c. Consider adaptive signal timing strategies on Alisal Street Corridor
- A reduction of 63 percent in overall crashes is observed post-project implementation. The reduction of broadside crashes may be attributed to the new protected left-turn phase improvements. However, the sample size of crashes after the implementation of the project is small. It is recommended that the city continuously monitor the crashes to measure the safety benefits of the project.
- Sales tax receipts for businesses near Alisal Street Corridor have increased by five (5) percent. There may be various factors influencing this increase and may not be completely attributed to the project improvements.



Introduction

The Downtown Complete Streets Project intends to make travel on West Alisal Street and Lincoln Avenue corridors safer, and efficient, and serve all modes of transportation. The first phase included roadway re-striping, signal improvements, and crosswalk improvements along West Alisal Street from Acacia Street to Front Street. Figure 1 illustrates the roadway conditions before and after the improvements. The project is funded by a federal grant from the Highways Safety Improvement Program (HSIP) and a grant from the Transportation Agency for Monterey County (TAMC) for design. The second phase will include additional intersection improvements, continuing complete streets improvements, and enhanced bus service improvements along Lincoln Avenue.

This Report summarizes the traffic and economic conditions before and after the project implementation.



Figure 1: Roadway Configuration Before and After the improvements

PROJECT

The Downtown Salinas Complete Streets Improvements project is divided into two phases. Phase I improvements consisted of improvements along Alisal Street from Acacia Street to Front Street. Figure 2 illustrates the project limits and locations of pedestrian crosswalk improvements. Phase II of the complete streets project will include improvements on Lincoln Street and Main Street.

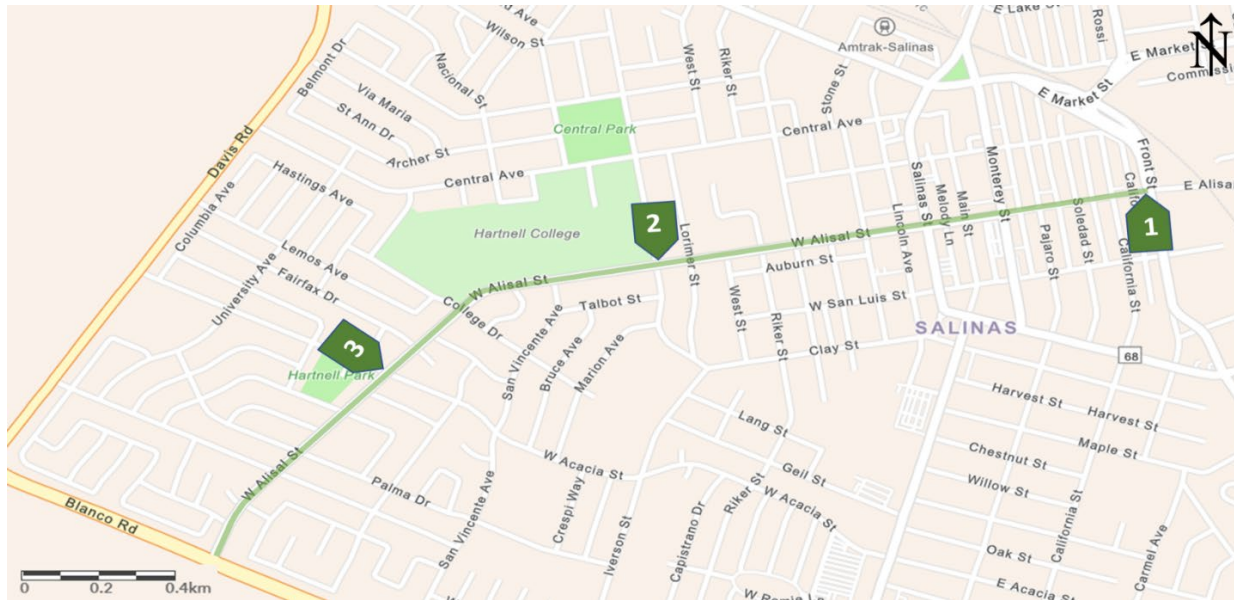


Figure 2: Project Limits and Study intersections

Phase I improvements along Alisal Street included the following:

1. Travel lanes reduction from two lanes in each direction to one lane in each direction with a center turn lane. This lane reduction facilitated the accommodation of bike lanes in each direction (refer to Figure 3).
2. High visibility crosswalks with Americans with Disabilities Act (ADA) pedestrian ramps at
 1. Front Street (refer to Figure 4)
 2. Homestead Avenue (refer to Figure 5)
 3. Acacia Street (refer to Figure 5)
3. Curb bulb-outs were included at Homestead Avenue to decrease the crossing distance.
4. Traffic signal improvements throughout the corridor.

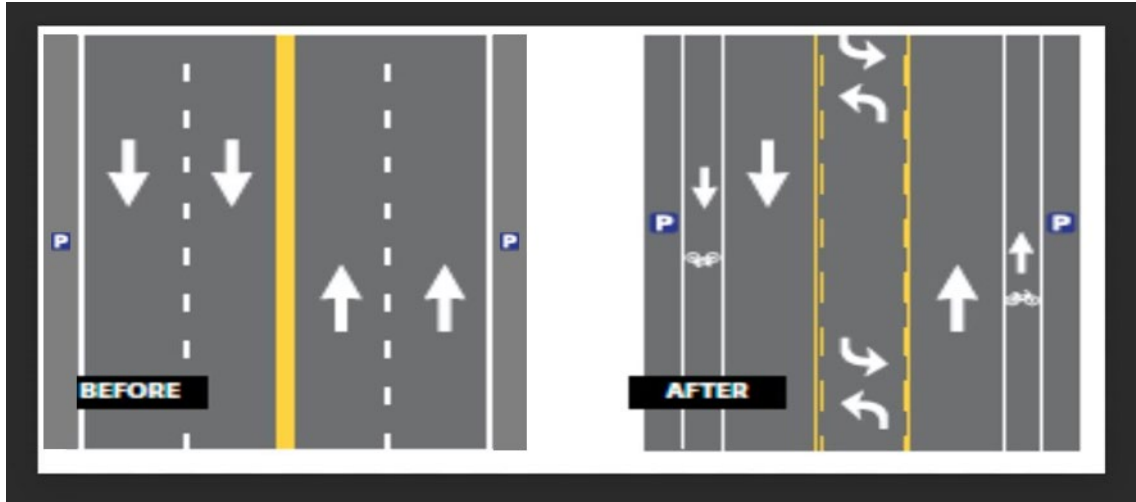


Figure 3: Roadway Reconfiguration



Figure 4: Improvements at Front Street

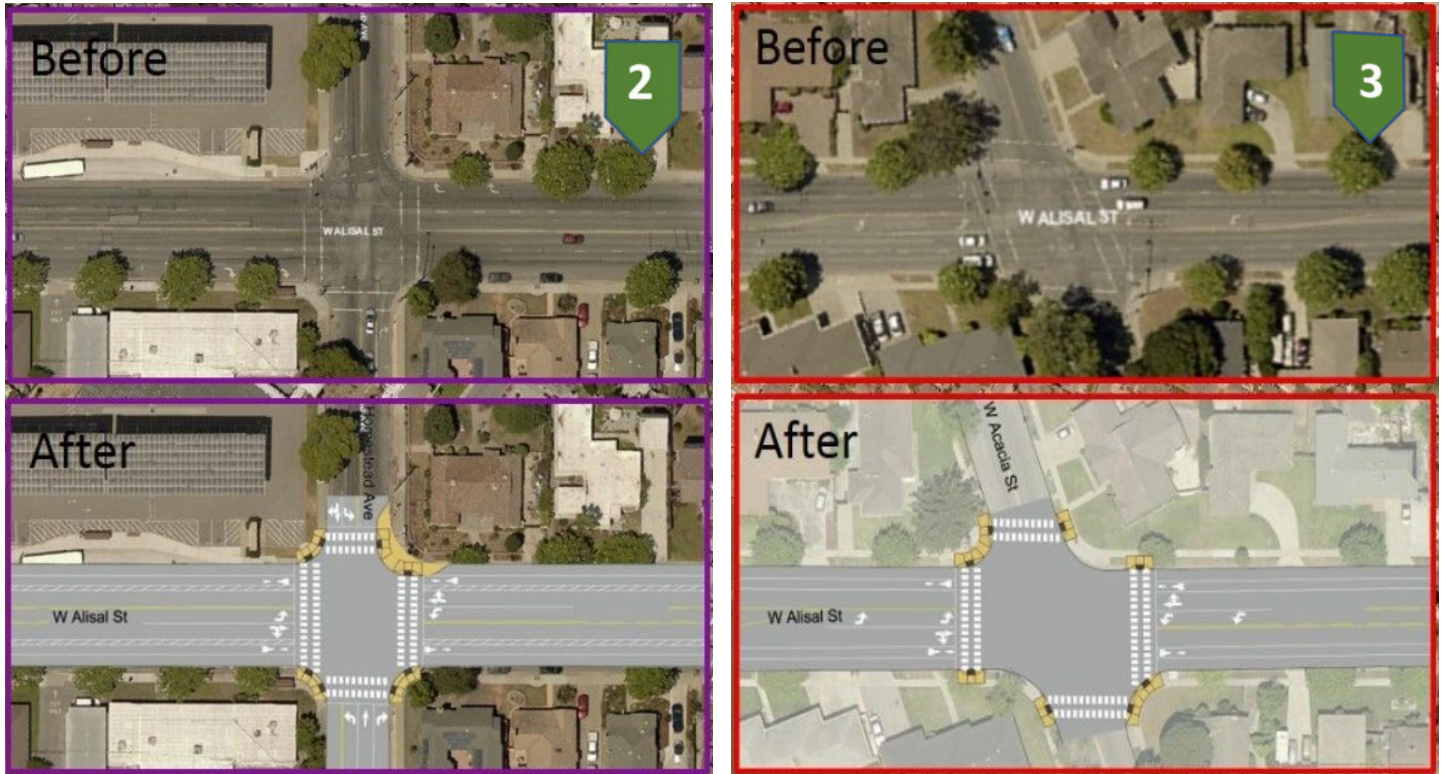


Figure 5: Improvements at Homestead Avenue and Acacia Street

EXPECTED BENEFITS OF THE PROJECT

The Downtown Complete Street Phase I project is essentially a “road diet” project along Alisal Street between Acacia Street and Front Street. Road diet projects are typically street reconfiguration projects that reduce the number of travel lanes in a street, most often reducing the number of travel lanes and adding a two-way center left-turn lane. According to Federal Highway Administration¹ (FHWA), there is strong research evidence that supports the following:

- Safety benefits can be achieved by converting four-lane undivided streets to three-lane cross-sections with two-way-left-turn lanes.
- The provision of a separate space for the exclusive use of bicycles improves safety over a shared travel lane alternative.
- Reduction in pedestrian crash risk can be achieved when crossing two- and three-lane roads compared to roads with four or more lanes.
- Reducing travel speeds helps to reduce the severity of crashes.

¹

https://safety.fhwa.dot.gov/provencountermeasures/road_diets.cfm#:~:text=Benefits%20of%20Road%20Diet%20installations,lanes%20for%20pedestrians%20to%20cross.

Data Collection

To evaluate the benefits of the road diet implementation on Alisal Street, the following data was collected in November 2019, before the project was implemented, and then again in November 2021, after the project was implemented. The data collection process followed the standard methodologies and practices commonly used by public agencies across the nation. Data were collected at locations directly impacted by the project and also at locations outside of the project limits to objectively differentiate the project impacts and changes that are non-project related. The following data sets were collected before and after the project implementation:

- 1. Traffic Volume and Speed
- 2. Travel Time Runs Along Alisal Street Corridor
- 3. Vehicle, Bicycle, and Pedestrian Volumes at Intersections
- 4. Reported Crash Data
- 5. Sales Tax Receipt for Business Along Alisal Street

Figure 6 shows the Average Daily Traffic (ADT) and speed data collection locations and the intersections where turning movement counts and pedestrian and bicycle counts were collected.

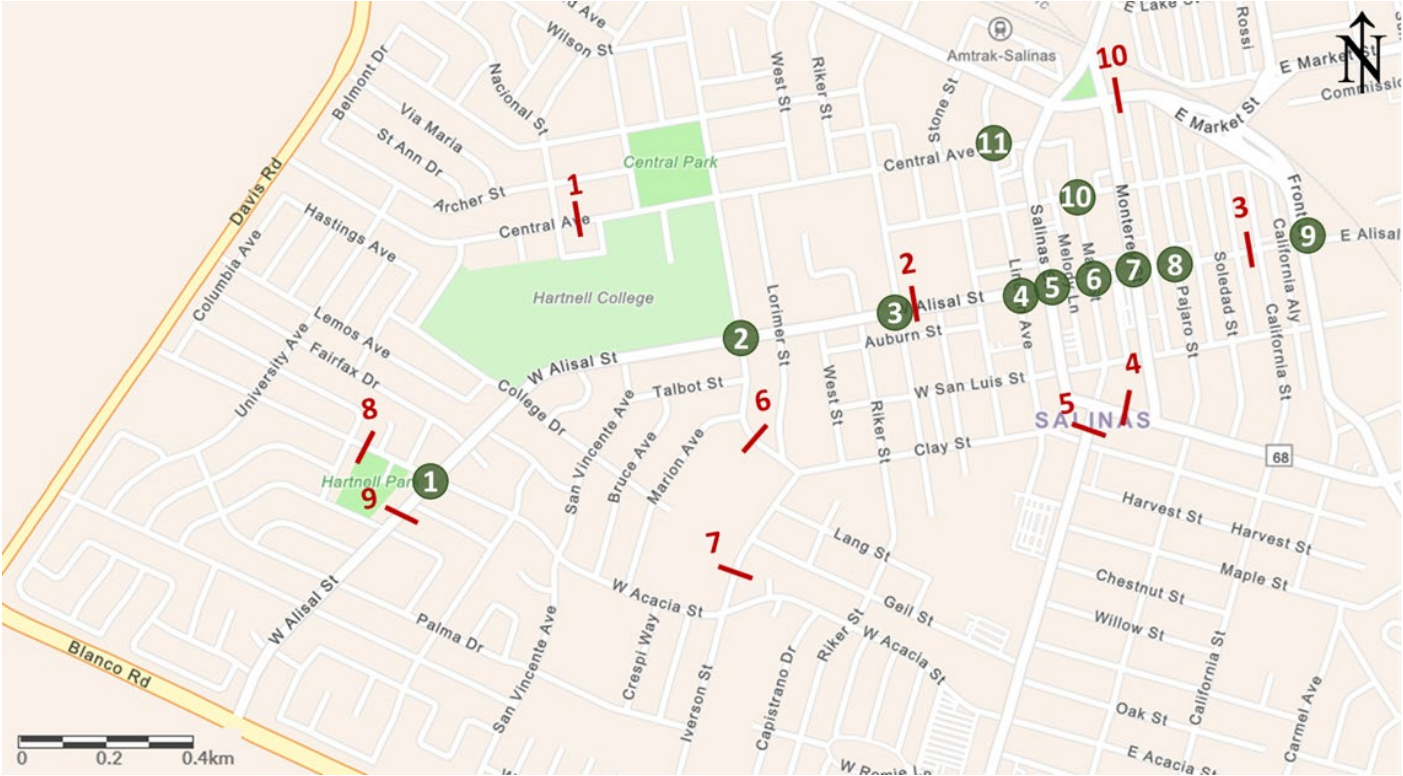


Figure 6: Data Collection Locations

List of ADT and speed data collection locations:

1. Central Avenue between Nacional Street and Cypress Street
2. W Alisal Street between Cayuga Street and Church Street
3. E Alisal Street between Soledad Street and California Street
4. John Street between Main Street and Monterey Street
5. Main Street between John Street and Winham Street
6. Homestead Avenue between Marion Avenue and Lorimer Street
7. Iverson Street between Geil Street and Acacia Street
8. Acacia Street between Camden Way and Chalon Circle
9. Alisal Street between Loma Vista Drive and Carmelita Drive
10. Market Street between Monterey Street and Pajaro Street

List of turning movement counts, pedestrian and bicycle counts were collected at intersections:

1. Alisal Street and Acacia Street
2. Alisal Street and Homestead Avenue
3. Alisal Street and Church Street
4. Alisal Street and Lincoln Avenue
5. Alisal Street and Salinas Street
6. Alisal Street and Main Street
7. Alisal Street and Monterey Street
8. Alisal Street and Pajaro Street
9. Alisal Street and Front Street
10. East Gabilan Street and Main Street
11. Central Avenue and Lincoln Street

Mobility Trends – 2019 vs 2021

Traffic patterns have changed across the nation with changes in stay-at-home orders during the COVID-19 pandemic in 2020. Even after the restrictions are lifted, the lingering effects of the COVID-19 pandemic on roadway traffic can still be found in some places due to changes in employment and the provision of telecommuting options provided by many employers in the area. This section includes a comparison of mobility trends during the week of Jan 6, 2020 (pre-pandemic), and the week of November 15, 2021 (post-pandemic), in the City of Salinas, to gain insights into the effects of the COVID-19 pandemic on traffic data. These trends were reported by ‘Replica²’, a Big-Data tool that provides near-real-time information on traffic patterns, trends, and mobility preferences.

A summary of mobility trends is indicated in Figure 7 to Figure 9. As indicated by the mobility trends, work-based and home-based trips have increased in the City of Salinas, whereas trips for other purposes have decreased.

- Total trips in the city of Salinas have increased by approximately 34 percent.

² <https://replicahq.com/>

- Trips starting and ending within the City of Salinas have decreased by 2.5 percent.
- Home-based trips increased by 59 percent. Home-based trips have the home as either the origin or destination.
- Work-based trips increased by 71 percent. Work-based trips have the workplace as either the origin or destination.
- Trips for eating purposes decreased by 15 percent.
- Social trips have increased by 8 percent.
- Shopping trips have decreased by 2 percent.
- Recreational trips have decreased by 27 percent.
- The number of transit trips has decreased by 14 percent.

Salinas, CA

Total Trips

Trips in this geography, typical weekday

Week of Jan 6, 2020 to the week of Nov 15, 2021

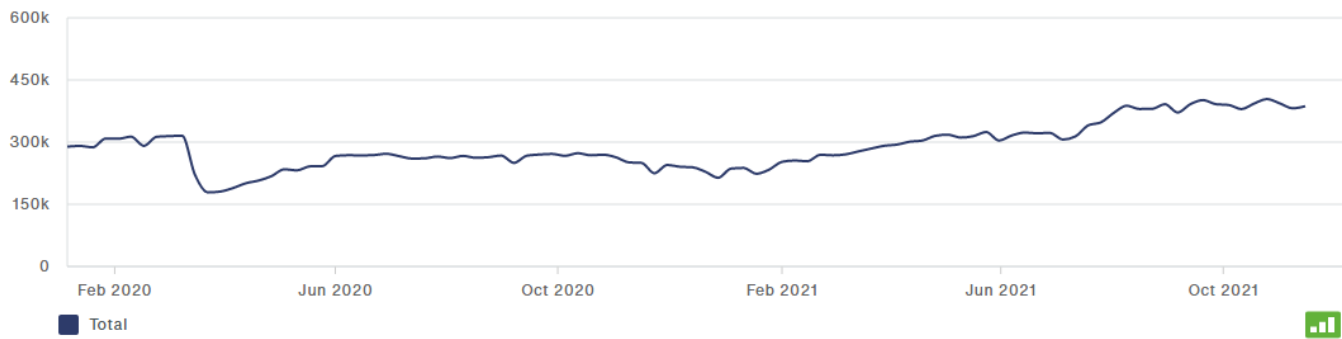


Figure 7: Total Trips in City of Salinas

Salinas, CA

Trip Purpose

Trip volume in this geography, typical weekday

Week of Jan 6, 2020 to the week of Nov 15, 2021

Change Data

6 Selections

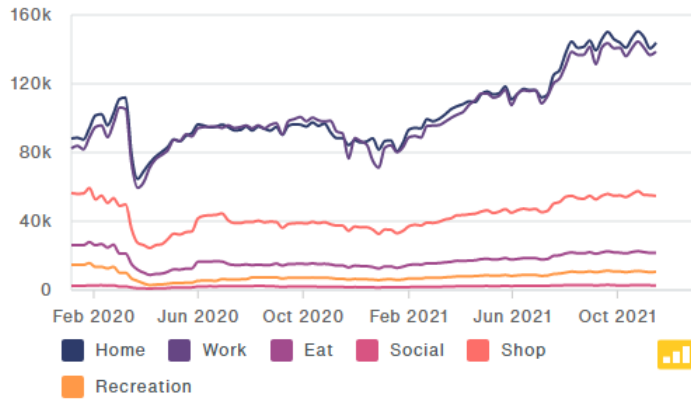


Figure 8: Number of Trips by Purpose

Salinas, CA

Mode Split

Trip volume in this geography, typical weekday

Week of Jan 6, 2020 to the week of Nov 15, 2021

Change Data

Transit

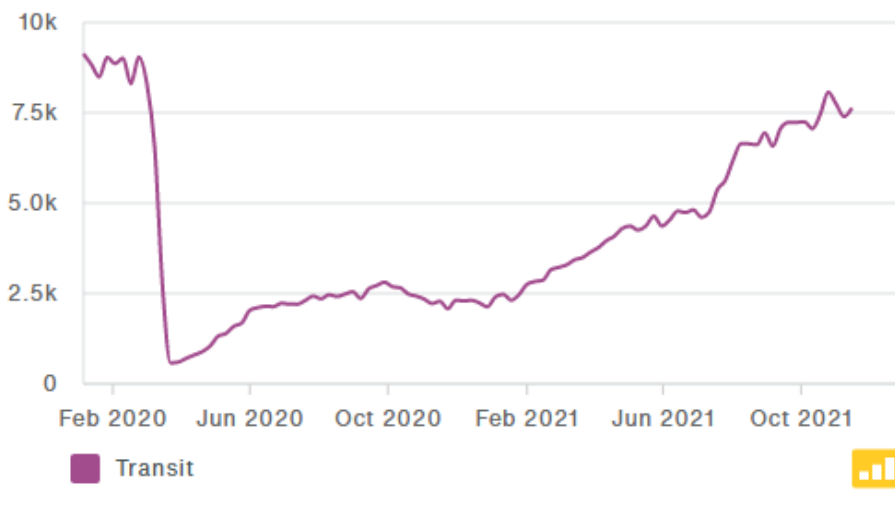


Figure 9: Transit Trends

As shown in Figure 10, the trip trends by the hour of the day have not changed much before and after the pandemic.

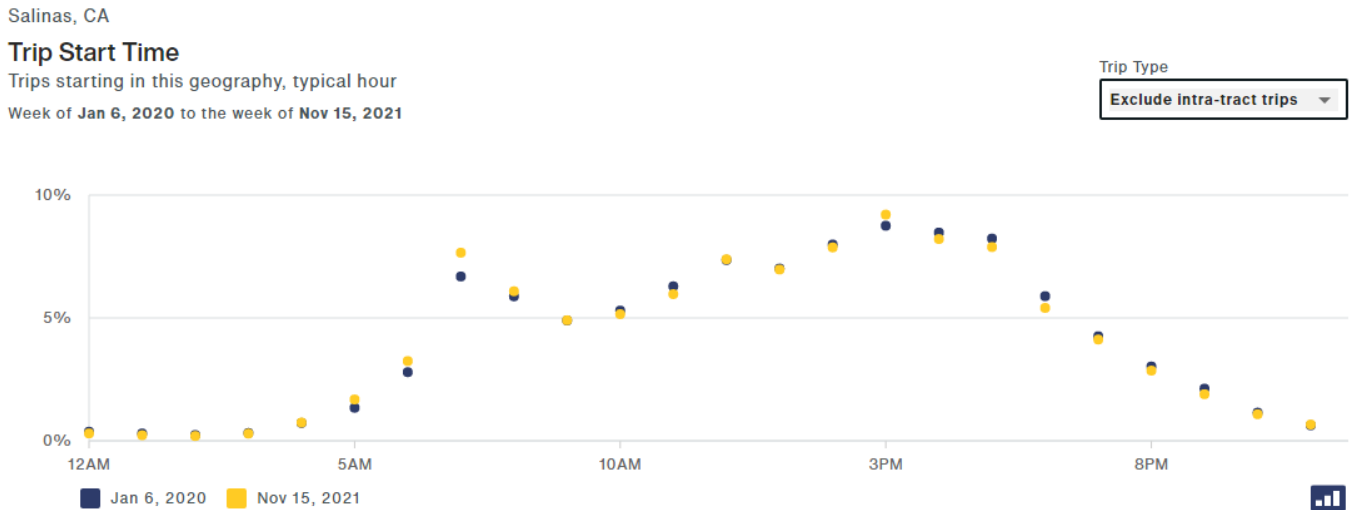


Figure 10: Trips by Hour of the Day

Data Analysis and Findings

TRAFFIC VOLUME AND SPEED DATA

24-hour Automatic recorder counts of traffic volume and speed were taken at ten (10) locations along Alisal Street and other corridors in the project vicinity for three (3) days in November 2019 and three (3) days in November 2021. With the road diet implementation, a reduction in traffic volume on Alisal Street is expected. Traffic volume and speeds on Alisal Streets and other segments in the vicinity were collected to capture the impacts of project implementation on traffic and speeds. The findings are summarized in Table 1.

Alisal Street Traffic Volume and Speed Findings

1. Traffic volumes within Alisal Street declined an average of 27 percent.
2. Speeds within Alisal Street decreased by an average of 2 mph.
3. The number of vehicles traveling at 10+ mph over the posted speed limit within Alisal Street decreased by 61 percent.

Area Traffic Volume and Speed Findings

1. Traffic volumes within the vicinity of Alisal Street declined by an average of 13 percent.
2. Speeds within the adjacent corridors decreased by an average of 1 mph.
3. The number of vehicles traveling 10+ mph over the posted speed limit increased on John Street and Homestead Avenue while the number decreased for other locations.

The average percentage of vehicles traveling at 10+ mph over the posted speed limit in the area decreased by 54 percent.

There is an overall decrease in traffic volume and speed within Alisal Street and the adjacent corridors. There is no indication that the traffic is diverted from Alisal Street to the adjacent streets due to the capacity reduction on Alisal Street. Traffic speeds within Alisal Street have decreased but the prevailing speed would still justify maintaining the posted speed limits. The number of vehicles traveling at 10+ mph over the posted speed limit within Alisal Street and within the adjacent corridors declined significantly.

Table 1: Traffic Volumes and Speed

Street		Volume (ADT)	Volume Change		85% (mph)	10+ mph over speed limit	
			Vehicles	%		Vehicles	%
Central Ave	Before	6,130	-1,767	-29	34	52	-29
	After	4,364			34	37	
W Alisal St	Before	13,040	-4,115	-32	33	27	+
	After	8,926			31	47	
E Alisal St	Before	13,494	-3,739	-28	33	436	-67
	After	9,755			31	146	
John St	Before	13,404	-1,095	-8	32	8	+
	After	12,309			30	39	
Main St	Before	24,230	-2,482	-10	29	33	-94
	After	21,749			26	2	
Homestead Ave	Before	3,626	-566	-16	30	13	+
	After	3,061			29	21	
Iverson St	Before	4,044	-343	-8	29	53	-75
	After	3,701			30	13	
Acacia St	Before	5,210	-671	-13	36	463	-78
	After	4,539			35	104	
Alisal St	Before	11,061	-2,266	-20	41	212	-58
	After	8,795			38	68	
Market St	Before	21,286	-3,185	-15	34	1,236	-48
	After	18,101			33	639	

TURNING MOVEMENT COUNTS AT INTERSECTIONS

Turning movement counts were collected at intersections along Alisal Street during the AM, mid-day, and PM peak periods on November 21, 2019, and November 16, 2021. These counts were collected at nine (9) intersections along Alisal Street and two (2) other intersections in the vicinity. The traffic volumes were tabulated and compared between before and after project conditions for Alisal Street intersections and non-Alisal Street intersections. Using the insights

provided by Replica’s mobility trends, efforts were made to differentiate the impacts of the project and changes that are not project related.

Vehicular Traffic volumes

With the road diet implementation, the vehicular capacity of Alisal Street has decreased, and hence the traffic volumes are expected to decrease. The vehicular volumes are presented in Table 2 and the summary of the changes before and after the project implementation is provided in Table 3. The vehicular volumes at intersections at Alisal Street intersections are illustrated in Figure 11.

1. The traffic volume reduction on Alisal Street is observed more at the intersection located in the middle of the project limits as compared to the intersections in the outer project limits. This indicates that the volume reduction on Alisal Street intersections is due to the reduced capacity of the roadway.
2. The percentage reduction in traffic at the Alisal Street intersections is similar during all three peaks, including the AM Peak, mid-day peak, and PM peak.
3. The percentage reduction in traffic at non-Alisal Street intersections is significantly higher during the mid-day peak as compared to the AM and PM peaks. The higher decrease in mid-day peak could be attributed to the lower number of trips to restaurants in the downtown area because of the effects of the pandemic. The mid-day peak volumes may not be the best metric to evaluate the impacts of the project.

Table 2: Traffic Volumes at Intersections

Location	AM Peak		Noon Peak		PM Peak	
	Before	After	Before	After	Before	After
	Total Volume	Total Volume	Total Volume	Total Volume	Total Volume	Total Volume
Alisal Street Intersections						
1. Alisal St/Acacia St	1,436	1,229	1,037	921	1,638	1,264
2. Homestead Ave/ Alisal St	1,525	1,223	1,151	844	1,662	1,122
3. Church St/Alisal St	1,193	948	1,074	794	1,362	948
4. Lincoln Ave/Alisal St	1,465	1,075	1,428	1,007	1,737	1,140
5. Salinas St/Alisal St	2,027	1,407	1,946	1,332	2,302	1,392
6. Main St/Alisal St	1,196	828	1,394	966	1,578	1,047
7. Monterey St/Alisal St	1,628	1,193	1,767	1,419	2,127	1,665
8. Pajaro St/Alisal St	1,432	1,185	1,564	1,161	1,979	1,457
9. Front St/Alisal St	2,552	2,274	2,411	2,177	2,931	2,768
Non Alisal Street Intersections						
10. Main St/Gabilan St	397	381	602	463	594	504
11. Lincoln Ave/Central Ave	792	755	1607	638	916	745
Total	15643	12498	15981	11722	18826	14052

Table 3: Traffic Volumes at Intersections - After vs Before

Location	AM peak	Noon Peak	PM Peak	Daily
Alisal Street Intersections	-21%	-23%	-26%	-24%

Other Intersections	-4%	-50%	-17%	-29%
Total	-20%	28%	-27%	-24%

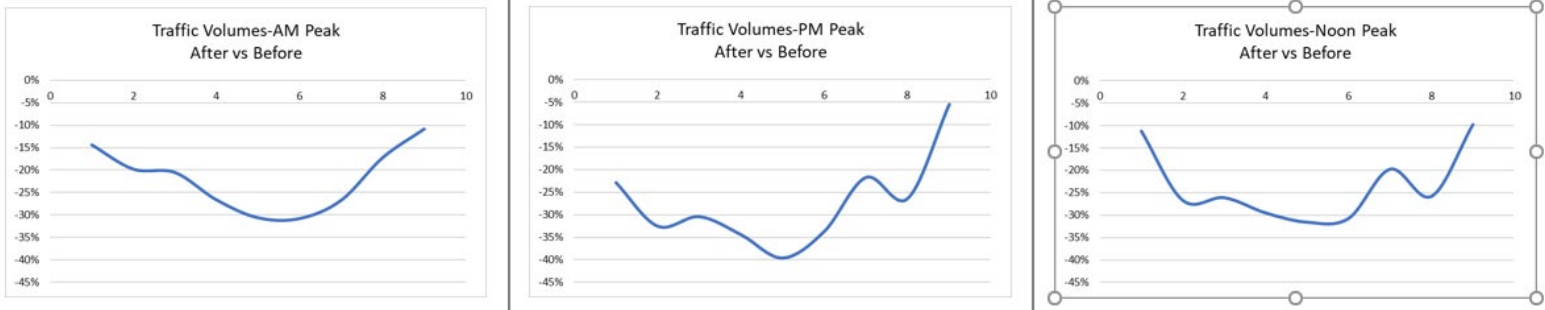


Figure 11: Traffic Volumes at Intersections

The decrease in vehicle traffic volumes both at Alisal Street intersections and at non-Alisal Street intersections indicates that the decrease in traffic volumes at Alisal Street intersections cannot be attributed to the project improvements alone. The lingering effects of the COVID-19 pandemic situation can be the additional cause for this decrease. The fact that the decrease in traffic at Alisal Street intersections during the AM Peak and PM Peak is more than the decrease in traffic at other intersections, it may be concluded that the project contributed to traffic volume reduction on Alisal Street, which was expected.

BICYCLE AND PEDESTRIAN VOLUMES

Bicycle and pedestrian volumes were collected at intersections along Alisal Street during the AM, mid-day, and PM peak periods on November 21, 2019, and November 16, 2021. For comparison purposes, bicycle and pedestrian volumes were collected at two other intersections outside of Alisal Street.

Pedestrian Volumes

The project improvements included pedestrian safety features such as high visibility crosswalks and ADA ramp improvements at Front Street, Homestead Avenue, and Acacia Street, and curb bulb-outs at Homestead Avenue. The project did not include any improvements that have the potential to increase the pedestrian volumes along the Alisal Corridor and hence increase in pedestrian volumes with the project implementation is not expected. The following observations can be made with the pedestrian counts collected at nine (9) intersections along Alisal Street and two (2) other intersections in the vicinity (Table 4).

1. Pedestrian volumes have decreased after the project both at intersections along Alisal Street and other intersections in the project vicinity by approximately 38 percent. The overall decline in pedestrian volumes indicates that the project improvements did not have a direct impact on changes in pedestrian volumes.

Table 4: Pedestrian Volumes

Location	AM Peak		Noon Peak		PM Peak	
	Before	After	Before	After	Before	After
	Total Volume	Total Volume	Total Volume	Total Volume	Total Volume	Total Volume
1. Alisal St/Acacia St	24	23	14	8	39	12
2. Homestead Ave/ Alisal St	61	47	69	40	69	22
3. Church St/Alisal St	142	57	144	72	87	37
4. Lincoln Ave/Alisal St	48	34	177	69	60	35
5. Salinas St/Alisal St	21	24	175	26	55	34
6. Main St/Alisal St	47	36	189	138	52	62
7. Monterey St/Alisal St	31	28	45	55	44	32
8. Pajaro St/Alisal St	16	21	29	18	27	19
9. Front St/Alisal St	22	14	13	19	19	19
10. Main St/Gabilan St	107	72	354	271	168	108
11. Lincoln Ave/Central Ave	64	41	77	53	32	28
Total	583	397	1286	769	652	408

Bicycle Volumes

The project improvements included the implementation of bicycle lanes along Alisal Street. While having a dedicated space for bicycles primarily increases the safety of bicyclists, it could also promote increased usage of the space by bicyclists. The following observations were made on how the bicycle volumes changed after the project is implemented in comparison to the bicycle volumes before the project (Table 5 and Table 6).

1. The bicycle counts along Alisal Street decreased in the AM peak significantly (31%).
2. The bicycle counts along Alisal Street decreased moderately (8%) at the noon peak.
3. The bicycle counts along Alisal Street increased at the PM peak (15%).

Table 5: Bicycle Volumes

Location	AM Peak		Noon Peak		PM Peak	
	Before	After	Before	After	Before	After
	Total Volume	Total Volume	Total Volume	Total Volume	Total Volume	Total Volume
1. Alisal St/Acacia St	3	1	5	2	3	9
2. Homestead Ave/ Alisal St	6	1	5	6	5	11
3. Church St/Alisal St	7	1	5	4	3	3
4. Lincoln Ave/Alisal St	8	2	11	6	3	4
5. Salinas St/Alisal St	1	6	5	3	5	6
6. Main St/Alisal St	1	2	5	9	4	3
7. Monterey St/Alisal St	2	1	6	9	2	4
8. Pajaro St/Alisal St	5	4	13	8	8	3
9. Front St/Alisal St	2	6	8	11	8	4
10. Main St/Gabilan St	6	1	5	8	6	5
11. Lincoln Ave/Central Ave	6	1	5	8	7	5
Total	47	26	73	74	54	57

Table 6: Bicycle Volumes at Intersections - After vs Before

Location	AM peak	Mid-Day	PM Peak	Daily
Alisal Street Intersections	-31%	-8%	15%	-7%

A decrease in bicycle volumes was observed along Alisal Street during the AM peak and noon peak, while there is an increase in bicycle volumes during the PM peak. The increase in PM peak bicycle usage along Alisal Street may indicate the use of the new bicycle lanes by recreational bicycle users but cannot be concluded without additional analysis.

TRAVEL TIME

With the project, the lane configuration on Alisal Street is changed reduced from two vehicle travel lanes in each direction with no center lanes to one lane in each direction with a center turn lane and bicycle lanes. With the decrease in vehicle roadway capacity, there is a concern of potential congestion and longer travel times. To evaluate the impact of modified lane configuration on Alisal Street, travel time runs were conducted along Alisal Street between Acacia Street and Front Street on November 19, 2019, and November 16, 2021. The stats analysis summary of travel time runs is summarized in Figure 12.

The results indicate that the average travel time has increased for both eastbound and westbound directions during the AM peak and mid-day peak but decreased during the PM peak. The combined increase in the travel time overall during the peak periods is five (5) percent. Average speed and total delay statistics indicate the same similar trend. With a combined decrease of four (4) percent decrease in average speed and five (5) percent decrease in total delay, the project implementation has a calming effect on Alisal Street traffic.

The differences in AM peak/Mid-day peak and PM peak travel time and delay results can be attributed to the differences in traffic signal operations by the time of day. Observations by city staff over the past two years from the onset of the COVID-19 pandemic indicate that the traffic conditions in the city have been highly volatile with drastic changes from week to week. This situation poses challenges with the traffic signal timings. The Alisal Street Corridor signals currently operate on a coordinated time of day plan during the PM peak and use peer-to-peer functions during all other hours of the day including AM peak and Mid-day peak hours.

In addition to the decrease in lane capacity, other reasons can be attributed to the delays on Alisal Street after project implementation. The traffic signals on Alisal Street now have longer red times when compared to before with the incorporation of a protected left-turn phase and exclusive pedestrian phase. The pedestrian exclusive phase is not well received by the users as indicated by the field observations made by the city staff and the feedback received by the city from the public. Field observations indicate that the compliance to the pedestrian exclusive phase is poor and that pedestrians still prefer to cross the streets with the traffic flow instead of waiting for the exclusive pedestrian phase.

The following recommendations are made to mitigate the increase in delays on Alisal Street.

1. Remove the exclusive pedestrian phase that is causing unnecessary delays to pedestrians and vehicles.
2. Consider a Leading Pedestrian Interval (LPI) on all crossings. An LPI typically gives pedestrians a 3-7 second head start before the vehicles are given a green indication. This head start can better establish the presence of pedestrians in the crosswalk before vehicles have priority to turn right or left.
3. To address the unpredicted traffic conditions, adaptive traffic signal timing is recommended on Alisal Street. Adaptive signal control technology adjusts the timing of red, yellow, and green lights to accommodate changing traffic patterns and ease traffic congestion.



Figure 12: Travel Time Runs - Before and After

REPORTED CRASHES

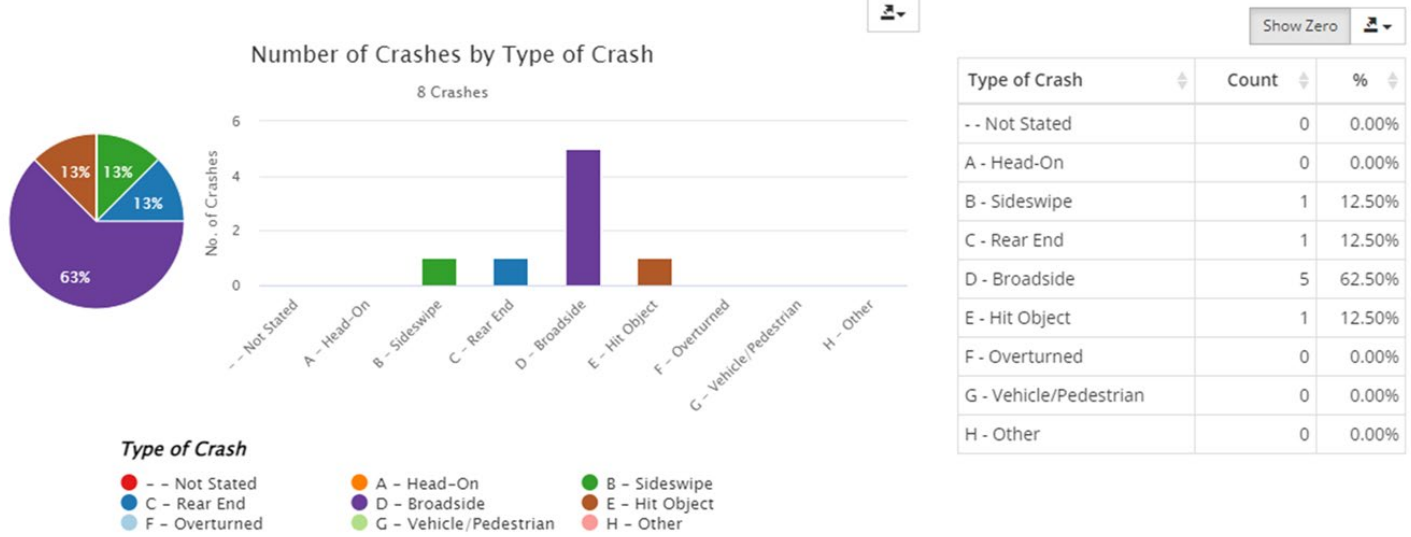
The timeline of the project’s construction was from April 2020 to April 2021. Reported crashes were evaluated in the months from May to December before and after the implementation of a new roadway configuration using crash records from the Statewide Integrated Traffic Records System (SWITRS) and the Salinas Police Department. There were 8 reported crashes along Alisal Street from Acacia Street to Front Street in eight months of 2019, and 12 reported crashes in

eight months of 2020. This number has been reduced to three (3) in 2021. This accounts for a 63 percent reduction of crashes in 2021 when compared to crashes in 2019.

Transportation Injury Mapping System³ data was used to analyze the type of crashes reported during these three years. The year 2020 was skipped for comparisons to avoid any impacts of the COVID-19 pandemic. Figure 13 illustrates the type of crashes reported on Alisal Street in the years 2019 and 2021. The decrease in broadside crashes may indicate benefits from the new protected left-turn phase. This is a small sample size that does not indicate definitive safety benefits of project implementation. It is recommended that the city continues to collect collision data to measure the safety effectiveness of the project.

³ <https://tims.berkeley.edu/>

May 2019 to December 2019



May 2021 to December 2021

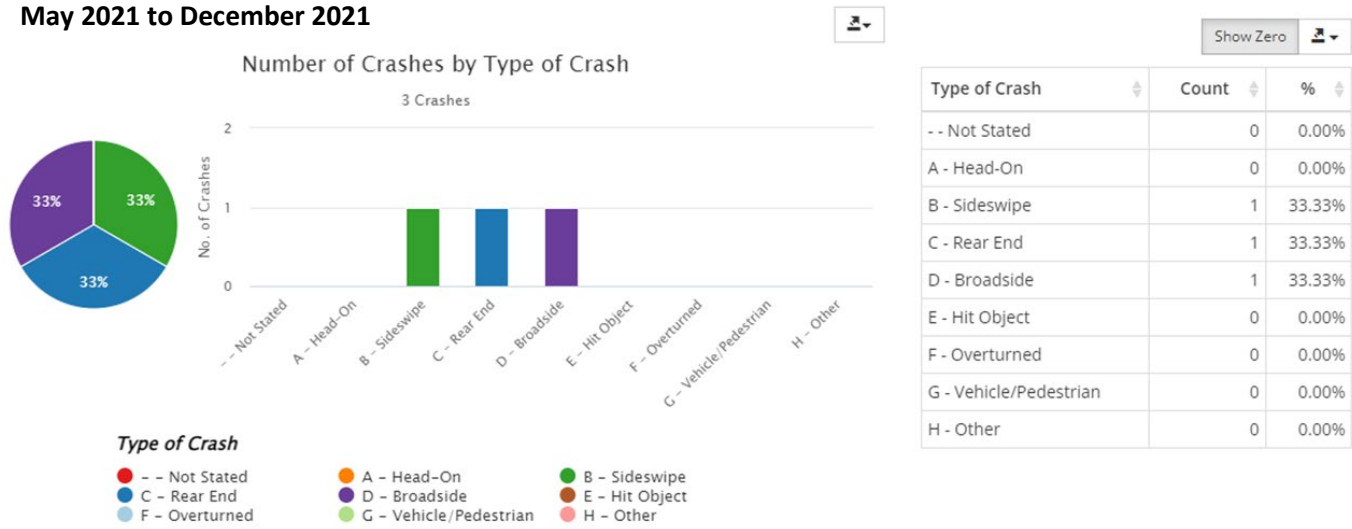


Figure 13: Reported Crashes – Before vs After

ECONOMIC EFFECTS

Sales tax receipts were analyzed to evaluate the impacts of the project on businesses along Alisal Street. This dataset is the best available indicator of economic activity in the area. However, it does not reflect business activity in the area that is not subject to sales tax, such as personal services (lawyer, dentist, plumber, etc.). Sales tax data for four quarters in three categories were compared before and after the project’s implementation. The three categories are Food Products, General Retail, and All Others.

1. **Food Products:** Category that includes food stores (non-grocery), quick service restaurants, grocery stores, casual dining, and wineries.

2. **General Retail:** Category that includes women’s apparel, art/gift/novelty stores, sporting goods/bike stores, jewelry stores, and specialty stores.
3. **All Others:** Category that includes all other businesses that are not included in the Food Products and General Retail categories.

Figure 14 summarizes the sales tax receipts for businesses near Alisal Street Corridor. Below are the key findings of the analysis:

1. Sales tax receipts in 2020 are significantly lower than in other years and are not used for comparison purposes.
2. Sales tax receipts in the “Food Products” category in 2021 are one (1) percent less than that of 2019.
3. Sales tax receipts in the “General Retail” category in 2021 are twelve percent less than that in 2019.
4. Sales tax receipts in the “All Others” category in 2021 are eight (8) percent more than that of 2019.
5. Over Sales tax receipts in 2021 is five (5) percent more than that of in 2019.

There may be several factors influencing the sales tax revenues. A substantial decrease in sales tax revenue in 2020 indicates that the COVID-19 pandemic did affect the sales tax revenues. The economy has re-opened in 2021 and the effects of the COVID-19 pandemic on sales are presumed to be subsided. However, the 5 percent increase in sales tax revenue may not be completely attributed to the project improvements.

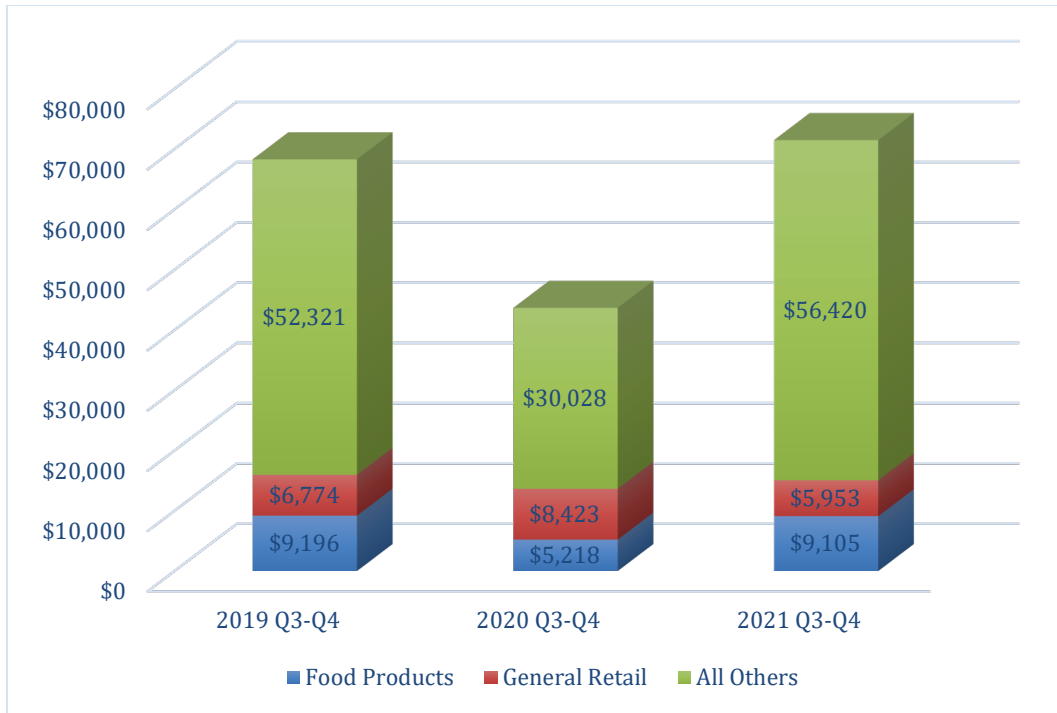


Figure 14: Summary of Sales Tax Receipts

Conclusions

The Alisal Street Complete Streets project is a road diet project with the following assumed benefits.

- Improved safety through the reduction of crashes and severity of crashes
- Create a calmer traffic environment on Alisal Street through speed reduction
- Enhance travel for bicyclists
- Improved pedestrian safety

While this report attempts to quantify the benefits of the project improvements on Alisal Street, an attempt has been made to assess the project impacts on traffic volumes and speeds on adjacent streets as well.

It should also be noted that the project is implemented during the COVID-19 pandemic when traffic on roadways is lower than usual conditions. The traffic volumes collected on Alisal Street and adjacent corridors in November 2021 are lower than the traffic volumes collected in November 2019 indicating that the traffic conditions did not reach the pre-pandemic conditions even when the data from Replica indicated that there is an overall increase in trips to and from Salinas in 2021. Because of this the data analysis also focused on differentiating project impacts and non-project impacts where needed. Comparisons were made between the post-project

conditions and pre-pandemic conditions in 2019 omitting the conditions in 2020 to avoid the effects of pandemic conditions on the data collected.

Based on the findings of the data analysis, the key conclusions are:

- There is an overall decrease in traffic volumes and speed within Alisal Street with the implementation of complete streets features.
- The project implementation did contribute to traffic calming on Alisal Street.
- Traffic Speeds on Alisal Street have declined but the prevailing speeds would still justify keeping the posted speed limits.
- The number of vehicles traveling 10+ mph over the posted speed limit declined significantly within Alisal Street (61 percent) and the adjacent corridors (54 percent).
- The traffic volumes have decreased on adjacent corridors. There is no indication that the traffic is diverted from Alisal Street to the adjacent streets due to the roadway capacity reduction on Alisal Street.
- There is an overall decline in pedestrian volumes along Alisal Street and other intersections by 38 percent. The overall decline in pedestrian volumes indicates that the project improvements did not have a direct impact on changes in pedestrian volumes. Travel pattern changes due to the COVID-19 pandemic may be attributed to this change.
- The bicycle counts along Alisal Street decreased in the AM peak (31 percent) and mid-day peak (8 percent) while the bicycle counts increased in the PM peak by 15 percent. The increase in the PM peak bicycle usage for recreational purposes along Alisal Street may be attributed to the project improvements but cannot be concluded without additional analysis.
- The average travel time has increased in both eastbound and westbound directions during the AM peak and Noon peak. The average travel time has decreased during the PM peak. The decrease in PM peak traffic volume is more than the decrease in AM peak and noon peak traffic volumes. In addition to a travel lane removal, there are other factors like the exclusive pedestrian phase contributing to delay and subsequent reduction of travel times on Alisal Street. The following recommendations are made to mitigate the unnecessary delays.
 - a. Remove the exclusive pedestrian phase
 - b. Consider the implementation of LPI
 - c. Consider adaptive signal timing strategies on Alisal Street Corridor
- A reduction of 63 percent in overall crashes is observed post-project implementation. The reduction of broadside crashes may be attributed to new protected left-turn phase improvements. However, the sample size of crashes is small. It is recommended that the city continuously monitor the crashes to measure the safety effectiveness of the project.
- Sales tax receipts for businesses near Alisal Street Corridor have increased by five (5) percent. There may be various factors influencing this increase and may not be attributed to project improvements.



Memorandum

To: Bicycle and Pedestrian Facilities Advisory Committee
From: Janneke Strause, Transportation Planner
Meeting Date: September 7, 2022
Subject: Prunedale US 101 Capital Preventative Maintenance Project - Temporary Bike Shuttle

RECOMMENDED ACTION:

RECEIVE a presentation about the Prunedale US 101 Capital Preventative Maintenance Project - Temporary Bike Shuttle; and **PROVIDE INPUT** on the bike shuttle plan and schedule.

SUMMARY:

The US 101 Prunedale Capital Preventative Maintenance Project is located on US 101 through Prunedale in Monterey County. A temporary shuttle service will operate during construction to transport pedestrians, bicyclists, and bicyclists' equipment between Sala Road and San Juan Road along US 101 during shoulder closures within construction limits. The temporary shuttle service is free of charge for passengers.

FINANCIAL IMPACT:

No financial impact.

DISCUSSION:

The California Department of Transportation (Caltrans) is implementing the US 101 Prunedale Capital Preventative Maintenance Project; construction will begin in December 2022.

The purpose of this maintenance project is to extend the service life and improve the ride quality of the existing pavement and reduce future maintenance expenditures. Other proposed improvements include upgrade of guardrails, median barrier, roadside signs, Intelligent Transportation Systems elements, and replacement or rehabilitation of drainage systems.

During construction, a temporary shuttle service will be provided to transport pedestrians, bicyclists, and bicyclists' equipment between Sala Road and San Juan Road along US 101 during shoulder closures within construction limits. The shuttle service will be free of charge for passengers.

ATTACHMENTS:

- ▢ Prunedale US-101 Project Factsheet
- ▢ Temporary Bike Shuttle Service Details

WEB ATTACHMENTS:

[Temporary Bike Shuttle Service Plan](#)

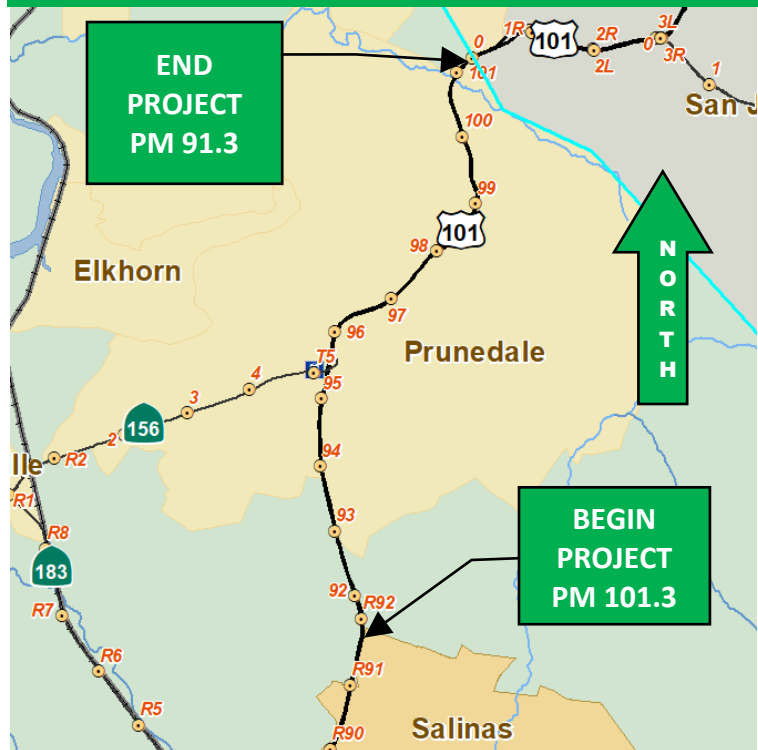
THE PROJECT [EA: 05-1H690]

The US 101 Prunedale Capital Preventative Maintenance Project is located on Route US 101 through Prunedale in Monterey county. The purpose of this maintenance project is to extend the service life and improve the ride quality of the existing pavement and reduce future maintenance expenditures. Other proposed improvements include upgrade of guardrails, median barrier, roadside signs, Intelligent Transportation Systems elements, and replacement or rehabilitation of drainage systems. The project limit breaks between postmile 98.8 and 100.3.



Figure 1: US 101 Northbound seen from Vierra Canyon Road. Credit: Google

PROJECT MAP



COMMUNITY

The project limit runs through the census-designated place of Prunedale, which is a rural residential community nestled among the larger Monterey coastal agricultural setting. US 101 serves as a significant multilane arterial highway connecting northern and southern California along the coast.

FUNDING	CURRENT SCHEDULE	
Fund Source: <ul style="list-style-type: none"> • SHOPP- Pavement Preservation • Phase 1, 2, 9 allocated Construction Capital: \$35,900k Right of Way Capital: \$295k	Identify Need Approve Project Report & Environ Document Ready to List Begin Construction End Construction	Apr 2016 (A) May 2021 (A) Jun 2022 (A) Dec 2022 (T) Mar 2024 (T)

12-5 TEMPORARY SHUTTLE SERVICE

12-5.01 GENERAL

12-5.01A Summary

Section 12-5 includes general specifications for providing and operating a temporary shuttle service to transport pedestrians, bicyclists, and bicyclists' equipment between Sala Road and San Juan Road along US-101 during shoulder closures within construction limits.

The temporary shuttle service must be free of charge for passengers.

12-5.01B Definitions

Not Used

12-5.01C Submittals

Before operating the shuttle service, submit copies of:

1. Business permit and licenses from city or county to operate the shuttle service
2. Charter-party carrier of passengers (TCP) permit "Z"
3. Each shuttle operator's California commercial driver's license with endorsement for the type of shuttle vehicle. If you use a trailer weighing over 6,000 pounds to transport bicycles, driver/drivers must have a CA Class A license with (P) endorsement
4. Insurance policy for the shuttle vehicle
5. Proof documents showing clearance of operators' criminal records and current Medical Examiner's Certificates (MCSA-5876) for all drivers

Submit the daily log of passengers at the end of each week to the Engineer. The daily log must include:

1. The date, day of week, and hours of shuttle operation for each shuttle operator
2. Location, transport departure and arrival time, number of passengers and number of bicycles transported for each stop in each direction of travel
3. Daily total number of passengers and bicycles transported
4. Signature and date of each shuttle operator

12-5.01D Quality Assurance

Make all shuttle vehicles available for inspection by the Engineer 5 business days before starting the service and as directed.

12-5.02 MATERIALS

The shuttle vehicle must be:

1. Capable of transporting a minimum of 6 passengers and 4 bicycles for each trip
2. Compliant with the American with Disabilities Act of 1990, and the United States Access Board – ADA Accessibility Guidelines for Transportation Vehicles.
3. Equipped with:
 - 3.1. Signs reading "Temporary Shuttle Service" affixed to the outer sides of the driver's and the passenger's doors. Department furnishes you with the magnetic signs for affixing at the outer sides of the driver's and the passenger's door
 - 3.2. Seat belts
 - 3.3. Standard first-aid kit
 - 3.4. 20-pound ABC fire extinguisher
 - 3.5. Means for securing bicycles by one of the following methods:
 - 3.5.1. Inside the vehicle
 - 3.5.2. On a bicycle trailer towed by the vehicle
 - 3.5.3. On a bicycle rack

All the equipment must be in working conditions all the time.

The vehicle's exterior must not have:

1. More than 3 paint colors excluding logo(s)
2. Primed, rusted or damaged sections

12-5.03 CONSTRUCTION

12-5.03A Notification Signs

At least 10 business days before closing the pedestrian facility or bicycle pathway, install applicable advance notification signs as shown. Immediately before closing the pedestrian facility or bicycle pathway, replace the advance notification signs with proper signs specified. Include the phone number and service time on the signs for bicyclists and pedestrians to call for shuttle service. Install the bicycle shuttle service signs at the locations shown.

12-5.03B Shuttle Operations

Operate the shuttle service on an on-call basis, 7 AM to 7 PM, 7 days a week, throughout the duration of the pedestrian facility or bicycle pathway closure. The Engineer may modify the shuttle service schedule as needed. Shuttle pick-up/drop-off locations as ordered by the Engineer are as follows:

NORTHBOUND 101 : Southwest Corner of Sala Road and Harrison Road (pick-up) to East of Ballantree Lane and the San Juan Road off-ramp (drop-off)

SOUTHBOUND 101 : Northwest Corner of Cole Road and San Juan Road (pick-up) to Southwest Corner of Sala Road and Harrison Road (drop-off)

Do not use the shuttle vehicle without door signs in place. Replace signs that are damaged or lost. The temporary shuttle service must provide timely service with waiting no longer than 45 minutes from receiving a service call.

Shuttle operators must:

1. Comply with COVID-19 protocols for public transit, as required by California Department of Public Health, and guidelines set by the County of Monterey Health Department (<https://www.co.monterey.ca.us/government/departments-a-h/health>) . Shuttle operators and Contractor are to keep track, and comply with the latest protocols
2. Obtain authorization by the Engineer prior to ending the daily shuttle service
3. Maintain professional and personal cleanliness appearance while providing shuttle service
4. Act professionally towards passengers
5. Remind passengers to pick up personal property at the end of the ride

If a passenger's personal property is left on the shuttle, deliver it to the Engineer at the end of the operator's shift. The operator is responsible for the personal property until delivered to the Engineer.

Maintain cleanliness of the shuttle vehicle's interior and exterior.

12-5.04 PAYMENT

Not Used



Memorandum

To: Bicycle and Pedestrian Facilities Advisory Committee
From: Doug Bilse, Principal Engineer
Meeting Date: September 7, 2022
Subject: SURF! Busway and BRT Project Update

RECOMMENDED ACTION:

RECEIVE update on the Monterey-Salinas Transit (MST) SURF! Busway and Bus Rapid Transit project in the Monterey Branch Line corridor.

SUMMARY:

The SURF! project will construct a busway and Bus Rapid Transit (BRT) line within the Monterey Branch Line right-of-way, parallel to State Route 1, making it faster and easier to travel between Marina and Seaside. The project also includes bicycle and pedestrian path improvements along Del Monte Road and Beach Range Road. TAMC Principal Engineer Doug Bilse and MST Director of Planning and Innovation Michelle Overmeyer will present a project update reviewing the current schedule, project costs, funding opportunities, and upcoming public outreach.

FINANCIAL IMPACT:

MST and TAMC were successful in leveraging Measure X funds to secure a \$25 million grant through the Transit and Intercity Rail Capital Program (TIRCP). State Senator John Laird secured an additional \$2.5 million in the state budget.

DISCUSSION:

The proposed SURF! Busway and BRT project is a six-mile, bus-only route in the TAMC-owned Monterey Branch Line corridor parallel to Highway 1. The SURF! line will connect to many existing transit lines and other routes that serve vital destinations including the Veteran's Administration Clinic and California State University Monterey Bay (CSUMB). The project includes new transit stops at Del Monte Boulevard and Palm Avenue in Marina and California Avenue and Playa Avenue in Sand City. When complete, SURF! will serve as a vital transit link between Marina, Sand City and Seaside improving transit service to the Monterey Peninsula and Salinas Valley. A link to the MST project site is provided via web attachment.

Enhancements will be made to existing and proposed pedestrian and bicycle facilities along the route including:

- Bicycle and pedestrian path improvements along Del Monte Road and Beach Range Road;
- A new roundabout at the intersection of the Highway 1 southbound on-ramp at Fremont Boulevard;
- Enhanced pedestrian and bicycle facilities serving the proposed mobility hub near 5th Street in Marina east of Highway 1, which will include first- and last-mile amenities such as bike racks; and
- Intersection improvements at Playa and California in Sand City to enhance pedestrian and bicycle safety.

The current cost estimate for the SURF! project is \$58.8 million. TAMC has allocated \$15 million in project support through TAMC's Transportation Safety & Investment Plan (Measure X) funds approved by a supermajority of voters in 2016. Leveraging that investment, TAMC and MST were successful securing a \$25 million grant through the Transit

and Intercity Rail Capital Program (TIRCP). State Senator John Laird secured \$2.5M in the state's budget. The funding balance of \$16.3 million is being sought through state and federal grants.

Early planning and environmental review for the SURF! project is now complete. Detailed design has begun. The current schedule estimates that the design process will be completed in the spring of 2024 with some construction beginning by the end of 2024. Community outreach is an important aspect of this project. A number of public outreach events began in August. Project team members will provide a verbal update at the meeting.

WEB ATTACHMENTS:

- [SURF! Busway and Bus Rapid Transit Project](#)