



The Fast Lane to Recovery

Temporary Emergency Transit Lanes Evaluation Summary



May 2022

TEMPORARY EMERGENCY TRANSIT LANES

Program Overview



TEMPORARY EMERGENCY TRANSIT LANES

Program Benefits







DESCRIPTION

The TETL program and its six completed projects were implemented at an unprecedented pace and at low cost, benefiting a high percentage of existing riders.

• Fastest expansion of transit lanes in the city's history!

It was a priority for the SFMTA to ensure program benefits were in line with the Muni Service Equity Strategy 2.

A quantitative assessment was conducted for all TETL projects except for the 43/44. The 43/44 travel time evaluation is based on extensive

The TETL program was successful in its primary objective to improve or preserve transit speed and reliability along key routes. Improved speed and reliability means shorter transit trips and less crowding, and therefore, more limited potential exposure to COVID-19.

4 of 6 surveys

found that a majority of respondents supported making the improvements permanent

6 of 6 surveys

found that a majority of operators stated that improvements made their jobs easier

A critical component to weighing success at the SFMTA is customer satisfaction. Muni riders strongly supported the changes, but we also heard concerns about parking and vehicle access. To address this feedback, we made adjustments to the final design of several of the projects, including restoring some loading spaces.

Our bus operators have more on their shoulders than ever and reducing obstacles in their way is at the core of the SEMTA's success.

 supported affordable travel options combated climate change The SFMTA is not only responsible for providing quality transit, but also for creating more livable streets, building a climate resilient community, and delivering an equitable and efficient transportation system.

Program Benefits











(Visitation Valley) (Western Addition)

TETL Project Locations



OTHER ROUTES BENEFITING FROM TETL PROJECTS

SFMTA TRANSIT ROUTES BENEFITING FROM TETL PROJECTS

----- Golden Gate Transit

— SamTrans













1 California

PROJECT BY THE NUMBERS

Ö Transit Travel Times

UP TO 11[%] FASTER

than pre-pandemic levels, with the most significant improvements in congested areas where bus lanes were installed*

*Pre-pandemic (January-February 2020) compared to post-project (August-October 2021)

O Community Feedback

41% of survey respondents supported making the project permanent

Derator Feedback

• 71% of surveyed operators stated that the improvements made their jobs easier

†! Rider Demographics

Based on 2017 SFMTA On-Board Survey



†İİ Muni Service Equity Strategy

NEIGHBORHOOD SERVED BY 1 CALIFORNIA



Transit lanes were installed to help keep the 1 California moving, preserving travel time gains seen early in the pandemic for people who depend on transit to get around the city. **Transit lanes** PROJECT STATUS Approved permanently Clay from Powell to Stockton not included in final project due to business access mpacts. Stockton to Grant is indergoing further study. TETL IMPROVEMENTS **Transit Lanes** Peak Period-Only **Transit Lanes** Other Transit Lanes

Additional Benefits

BÜS Taxi

Minimal Impacts to Traffic

Minimal traffic impacts on the corridor after transit lanes were installed. No affected portion of the corridor saw auto speed reductions greater than 1%.*

*Pre-project (April 2021) compared to post-project (August 2021)

Opportunity for Recent data collection shows that cars are parked in the peak hour transit lane on 20-35% of surveyed blocks, **Improved Transit** reducing the effectiveness of the transit lanes by forcing Performance buses to weave into the adjacent travel lane. We will use through Parking our data to target enforcement and awareness efforts Enforcement to the areas that need it most in order to maximize the travel time and reliability benefits of the project.

MUUM

PROJECT DESCRIPTION

TEMPORARY EMERGENCY TRANSIT LANES

14 Mission 14R Mission Rapid

PROJECT BY THE NUMBERS

Ö Transit Travel Times

UP TO **31[%] FASTER**

than pre-pandemic levels after transit lanes were installed, even as traffic volumes began approaching pre-pandemic levels*

*Pre-pandemic (January-mid March 2020) compared to post-project (January-March 2021)

O Community Feedback

• 64% of survey respondents supported making the project permanent

b Operator Feedback

• 58% of surveyed operators stated that the improvements made their jobs easier

†! Rider Demographics

Based on 2017 SFMTA On-Board Survey

Riders with household incomes less than \$35,000

52% 14R Mission 43[%] 14 Mission 26[%] Systemwide

Riders that are people of color

82[%] 14R Mission **76**[%] 14 Mission 57% Systemwide

†İİ Muni Service Equity Strategy

NEIGHBORHOODS SERVED BY 14 MISSION & 14R MISSION RAPID (Mission) (Outer Mission/Excelsior)

(Tenderloin/SoMa)

PROJECT D











Additional Benefits

•38% Commercial Loading Supply By removing peak-period tow-away restrictions and converting some parking spaces to loading, the project increased availability of yellow zones.



The project widened the narrow travel lanes on Mission Street. Muni-involved collisions dropped by more than 70%*

*Pre-project (June-August 2020) compared to post-project (January-March 2021)



PROJECT BY THE NUMBERS

Ö Transit Travel Times



than pre-pandemic levels after transit lanes were installed, even as traffic volumes began approaching pre-pandemic levels*

*Pre-pandemic (January-February 2020) compared to post-project (May-November 2021)

O Community Feedback

61% of survey respondents supported making the project permanent

Derator Feedback

89% of surveyed operators stated that the improvements made their jobs easier

†! Rider Demographics

Based on 2017 SFMTA On-Board Survey



†11 Muni Service Equity Strategy

NEIGHBORHOODS SERVED BY 19 POLK & 27 BRYANT (Bayview) (Mission) (Tenderloin/SoMa)



Transit Lane

Two Auto Lanes

Sheltered Bus Stop

Seperated Bike Lane

MUM

TEMPORARY EMERGENCY TRANSIT LANES

38 Geary 38R Geary Rapid

PROJECT BY THE NUMBERS

Ö Transit Travel Times



than pre-pandemic levels after transit lanes were installed, even as traffic volumes began approaching pre-pandemic levels*

*Pre-pandemic (January-February 2020) compared to post-project (March-April 2021)

O Community Feedback

₄ 52% of survey respondents supported making the project permanent

Derator Feedback

83% of surveyed operators stated that the improvements made their jobs easier

†! Rider Demographics

Based on 2017 SFMTA On-Board Survey

Riders with household incomes less than \$35,000

31% 38 Geary 29% 38R Geary 26[%] Systemwide



57[%] Systemwide 53% 38 Geary



†İİ Muni Service Equity Strategy

NEIGHBORHOODS SERVED BY 38 GEARY & 38R GEARY RAPID (Tenderloin/SoMa) (Western Addition)





Additional Benefits

Improved Waiting **Experience** Bus bulbs doubled waiting areas at five busy 38 Geary Rapid stops, improving customer experience and accessibility.

Minimal **Diversion of Auto Trips**

Parallel streets had smaller speed reductions than Geary as traffic returned, indicating diversions to other streets are likely minimal.*

*Pre-project (September-October 2020) compared to post-project (March-April 2021)

PROJECT BY THE NUMBERS

Ö Transit Travel Times

with fewer delays*

O Community Feedback

of survey respondents supported

of surveyed operators stated that the

improvements made their jobs easier

Riders with

36[%] 43/44

household incomes

less than \$35,000

26[%] Systemwide

making the project permanent

Operator Feedback

†! Rider Demographics

Based on 2017 SFMTA On-Board Survey

• 62%

*Based on operator feedback

61%

TETL spot improvements

bottlenecks quicker and

helped buses move through

43 Masonic 44 O'Shaughnessy





PROJECT BY THE NUMBERS

Ö Transit Travel Times

UP TO 28[%] FASTER

than pre-pandemic levels where the transit improvements were installed, despite increases in city-wide traffic*

*Pre-pandemic (September 2019-February 2020) compared to

O Community Feedback

L 41 of survey respondents supported making the project permanent

Derator Feedback

80% of surveyed operators stated that the improvements made their jobs easier

†! Rider Demographics

Based on 2017 SFMTA On-Board Survey, includes K Ingleside

Riders with household incomes less than \$35,000

26[%] Systemwide 25[%] TThird



43/44

"Keep Clear" Zone

Other Transit Lanes

people of color

62[%] TThird 57% Systemwide

†İİ Muni Service Equity Strategy NEIGHBORHOODS SERVED BY T THIRD

(Bayview) (Chinatown) (Visitation Valley)



3rd Street Bridge via Channel



Left-turns are a chief cause of vehicle

Implementing full-time

left-turn restrictions at

these intersection should

provide a safety benefit

€

43/44

for seniors, people

Inset





Woodside queue ump removed from ermanent project did not reduce transit delay). Alternative upgrades are planned. TETL IMPROVEMENTS -8-**Transit Lanes**

Riders that are people of color **63%** 43/44 57% Systemwide

†İ Muni Service Equity Strategy

NEIGHBORHOODS SERVED BY 43 MASONIC & 44 O'SHAUGHNESSY

(Bayview) (Outer Mission/Excelsior) Western Addition







Transit Lanes Left-Turn Restrictions

Other Transit Lanes

New 4th Street Bridge Operations

Northbound auto traffic can continue to use



Next Steps

MINI

Permanent Project Approval

After extensive outreach and evaluation, six of six transit lane projects were made permanent by the SFMTA Board of Directors in late 2021 and early 2022. In addition, the 28 19th Avenue HOV lane pilot is proposed for a three-year extension to allow for further evaluation in partnership with Caltrans.

Some modifications were made to the TETLs when they were made permanent to address community feedback and operational issues. Most notably:

- 1 California: Based on merchant loading concerns, the evening peak bus lane was removed on Clay from Powell to Stockton. In addition, the evening peak bus lane on Clay from Stockton to Grant is undergoing further evaluation.
- 44 O'Shaughnessy: A short bus lane on Woodside approaching Portola did not operating well due to traffic backups that impacted transit. We are pursuing alternative designs to reduce delay at this intersection.

Future Transit Lanes

The initial shelter-in-place travel time savings analysis used to identify corridors for TETL improvements (shown below) will be used to identify additional corridors for future improvements as part of Muni Forward, the SFMTA's ongoing transit priority program.

Travel Time Savings During Shelter in Place

We analyzed travel times on all Muni routes during the city's Shelter in Place order in April 2020 compared to February 2020, before pandemic restrictions were in place.

On average, routes saw a 15% reduction in travel time due to reduced congestion, but some corridors saw nearly a 50% reduction. A selection of these corridors is shown in the map at right.

This analysis helped us identify corridors for the TETL program, and will continue to inform planning for future transit lanes.







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SFMTA TEAM

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