



## Muni Forward Update and Transit Quick-Build Overview

SFMTA Citizens Advisory Council





March 5, 2020

# Congestion increases operating costs

As congestion increases in areas where transit does not have traffic priority measures, transit service becomes slower and more expensive to provide.

**EXAMPLE: Cost to Provide 10-Minute Bus Frequency, 6 AM – 12 AM, daily**

*Travel time and cost increase together*

Travel Time (Minutes)	Buses Required	Annual Cost
30		\$3.9 million
45		\$5.9 million
60		\$7.9 million
75		\$9.9 million

*Assumes operating cost of \$200/hour per vehicle. Actual costs vary by mode.*

# The solution: Muni Forward



- **Improved reliability:** Over 60 miles of new reliability improvements, such as red transit lanes, bus bulbs and traffic signals that stay green for transit
- **Rapid Network:** More Rapid lines and expanded frequency
- **More service:** Multiple service increases and new connections since 2015
- **Brand new fleet:** All-new bus and rail vehicles
- **Equity:** A focus on improving service in Equity Strategy neighborhoods

# Muni Forward Results

## Ridership increased 14% on Rapid bus from 2016 to 2018

- 8 Bayshore corridor: +12%
- Mission/Van Ness corridor: +9%
- Geary corridor: +8%
- 19<sup>th</sup> Ave corridor: +19%

## Time savings of 10% or more

- Church Street: 15%
- 5R Fulton Rapid: 9-12%
- Mission: 13%
- 16th Street quick-build phase: 10%
- Potrero: 20%
- Two-Way Haight: Over 20%
- Sansome: Over 20%

## Sales tax revenue increases

- Mission, Taraval (outperformed city)

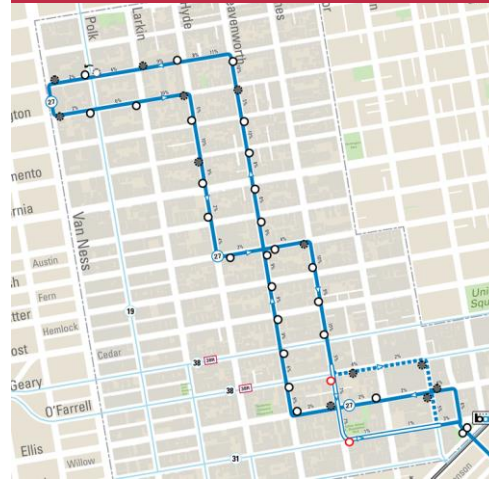


# Projects completed 2019/2020

N Judah – Irving Street Muni Forward



27 Bryant quick-build & reroute



1 California: Laurel Village



3rd Street (SoMa) quick-build



West Portal pilot



San Bruno Ave. Improvement Project

# Construction Underway

Geary Rapid Project



16<sup>th</sup> Street Improvement Project



Taraval Transit Improvement Project



Haight Street



Starting this year

19<sup>th</sup> Avenue (28, 28R)

4<sup>th</sup> Street and Lower  
Stockton Street red transit  
lanes (8, 30, 45)

Lombard Safety Project



# 6-month look-ahead for SFMTA Board review

- Delay Hot Spots and Quick-Build proposals (today!)
- J Church quick-build improvements
- California safety project
- 5 Fulton (Inner Richmond)
- 30 Stockton service extension to Presidio
- 22 Fillmore extension to Mission Bay and new Dogpatch service to replace 22 Fillmore





# Outreach Starting in the Next 2 Years

- Muni Forward corridors

- 14 Mission: Downtown
- 8 Bayshore: Vis. Valley
- 29 Sunset
- K Ingleside – Ocean Ave.
- 1 California
- N Judah – Judah St.
- M Oceanview



- Muni Metro service re-envisioning

- Hot Spot improvements

# The Future of Muni Forward

## The next five years

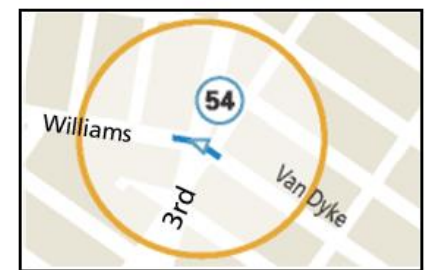
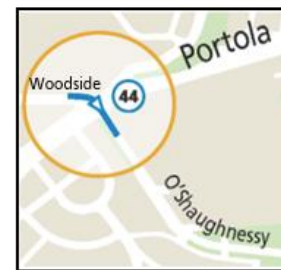
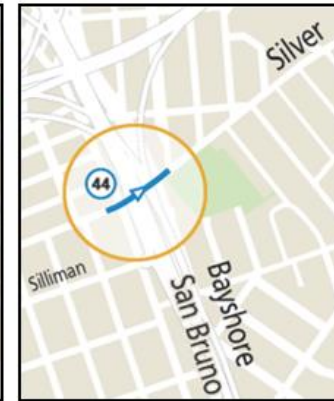
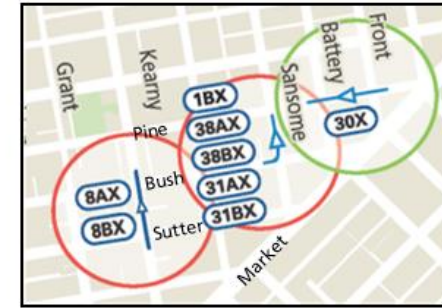
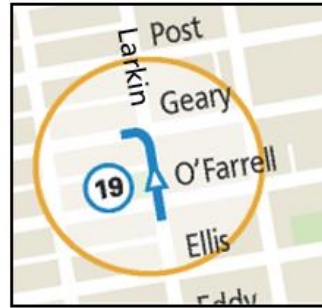
- Expand use of Quick-Build approaches for spot improvements and corridors
- Implement Delay Hot Spot program to complement corridor-based approach
- Operationalize the Equity Strategy with improved service on Equity Strategy lines
- Complete outreach on remaining Rapid projects from Transit Effectiveness Project
- Launch Rapid service on more lines
- Add more new trains to allow expanded Muni Metro service
- Begin transformation of Muni Metro into a true Metro system, with 3-car trains

## Beyond - A vision for the Rapid Network

- Continued improvements on the Rapid Network to achieve a vision of Rapid Network service that travels between stops with *no needless delay*
- Rapid service should provide a “surface subway” experience that allows people to get where they need to go in San Francisco with ease

# Delay Hot Spots

- We mapped Muni's 10 slowest segments
- Spot improvements can complement a corridor-based approach to reducing delay
- Next step: Implement plans to speed up Muni at initial locations, using turn pockets, queue jumps, signal timing changes, etc.



# Transit Quick-Build Program

Consistent with Vision Zero, limited palette of reversible transit reliability and safety measures implemented iteratively

- Transit improvements complete months or years sooner than today
- Public feedback and adjustments based on real-world observations
- We already quick-build after SFMTA Board approval, but this would quicken approval and deliver benefits sooner



# Transit Quick-Build Benefits

- Quicker safety and reliability improvements
- Improvements are reversible/adjustable, such as:
  - Turn pockets
  - Stop optimization or consolidation
  - Stop safety upgrades
  - Queue jumps
- Can complement larger capital projects to get benefits on the ground faster



# Quick-Build Elements

- Queue jumps
- Minor route adjustments
- Turn restrictions
- Right or left turn pockets
- Stop control changes
- Signal adjustments
- Daylighting
- Stop safety upgrades
- Lane reductions (road diets)
- Advance limit lines
- Delineators
- Certain parking regulation adjustments
- Stop optimization
- Stop consolidation (if stops are on same block or within 200', **and** within stop spacing policy)

# SFMTA Board Action

- On defined corridors, delegate authority to City Traffic Engineer to establish tow-away zones and make bus zone modifications, e.g. to enhance safety at stops, optimize or lengthen stops, or establish turn pockets

# Accountability and Transparency

- Public Hearing required prior to parking and traffic modifications
- Clear requirements for project evaluation and stakeholder input
- SFMTA Board still legislates prior to major construction activity
- Return to SFMTA Board annually with update on completed and planned Quick-build projects





# Defined Set of Projects

- Potential locations
  - Top 10 delay hot spots
  - Muni Forward upcoming corridors
    - J Church
    - K Ingleside
    - M Oceanview
    - N Judah
    - 29 Sunset
    - 22 Fillmore (Fillmore Street)
    - 1 California Rapid Project
    - 5 Fulton (Inner Richmond)
- SFMTA Board could approve additional locations through future resolutions

# Next Steps

- SFMTA Board review of quick-build program (approved on 2/18)
- Develop concepts and begin outreach on projects to improve Delay Hot Spots in coming months
- Start outreach on priority Muni Forward corridor quick-build projects in coming months
- Return to SFMTA Board with updates every quarter on Muni Forward program