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Ideas + Action for a Better City

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Transit Priority on the Bay Bridge

Historical and Regional Context



Ideas + Action
for a Better City

- BART
- Caltrain
- MUNI
- AC Transit
- Ferry



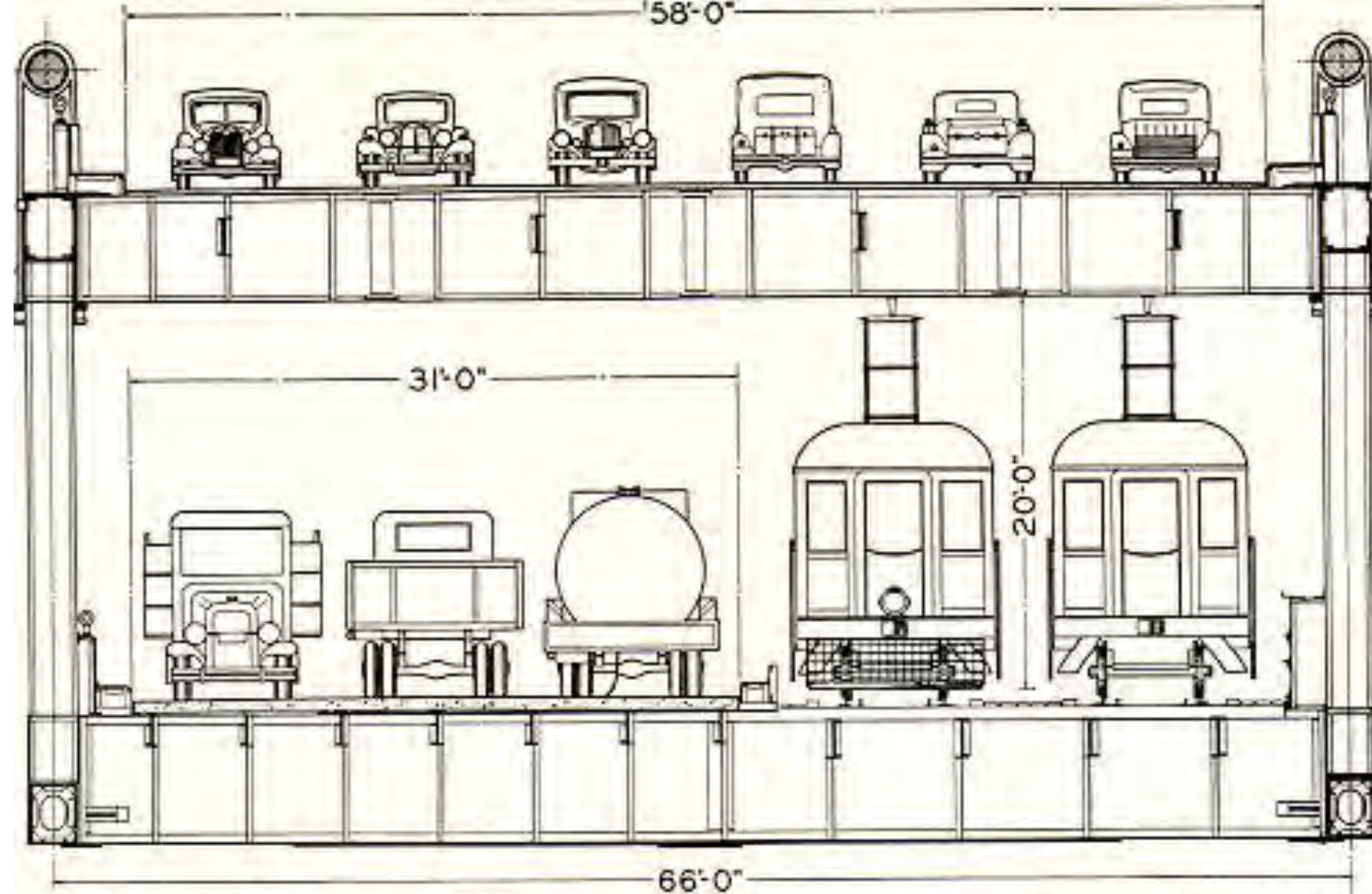


PLATE No. 4—The bridge will have two decks. The top deck will have six lanes for passenger automobiles; the lower deck will have three lanes for trucks and buses—it will also have two standard gauge electric railway tracks.



Early Bus Priority Lane



Who's Going to be Late for Dinner?



• If YOU ARE an automobile commuter it could be you! But the AC bus rider, whisked across the Bridge in half the time over the exclusive bus lane, *knows* when he will get home. That's why he can relax, read the paper, snatch 40 winks, or just watch his bus pass the stalled cars. Total travel time is fast, too. For instance:

ALAMEDA-CONTRA COSTA TRANSIT DISTRICT

BOARD OF DIRECTORS: WILLIAM J. BETTENCOURT, President • ROBERT M. COPELAND, Vice President
ROBERT A. BARBER • WILLIAM E. BERN • WILLIAM M. CORNUM, JR. • JOHN J. McDONNELL • E. GUY WARREN

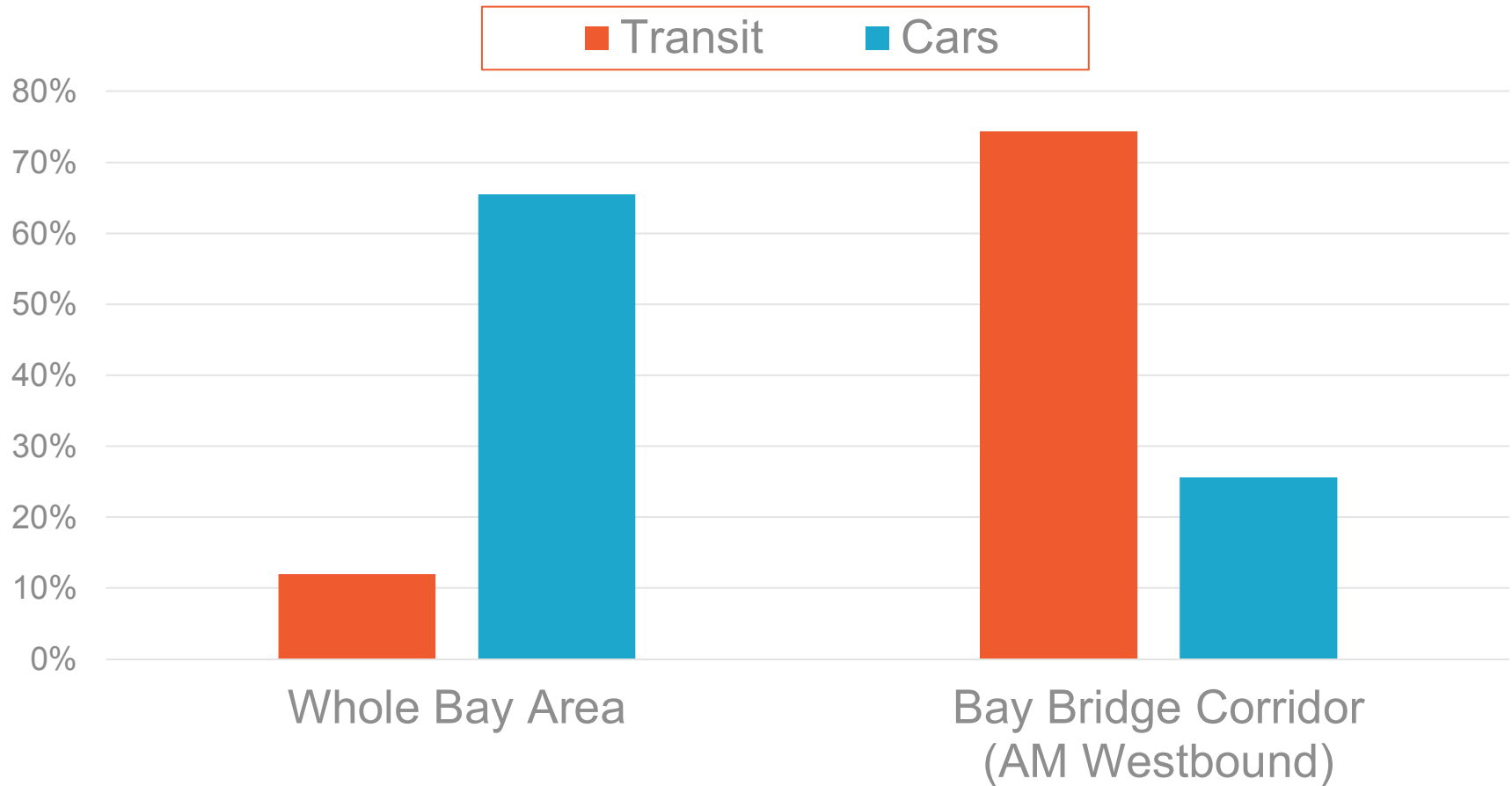


1106 Broadway
Oakland, California
OL 3-3535





Transit Share in Bay Bridge Corridor (2015)



**Westbound peak-hour:
2700 people traveling by public transit
(AC Transit + WestCAT + SolTrans + Amtrak)**



Roughly 1/5th of people travel in buses (2015)

• Direct ramp access
300 buses/hour capacity



- Overcapacity operations
- Inadequate back-up options
- No near-term solution





HOV Lanes

Express Lanes

HOV Lanes to Express Lanes

HOV Lanes

Express Lanes

HOV Lanes to Express Lanes

HOV or Express Lanes

Direct Connectors

* Includes Existing, Under Construction.





Source: FHWA Office of Operations

1 BUS LANE MOVES MORE PEOPLE THAN 6 CAR LANES

We need a bus lane on the Bay Bridge Corridor
so more people can move across faster!



Join us at
transbaycoalition.org

TRANSBAY
COALITION



Delivering Near-Term and Low-Cost Transit Priority Improvements

SPUR Forum (March 17,2021)

Buses are Stuck at the Bridge Approaches

Toll Plaza



I-580 and I-80 Approaches



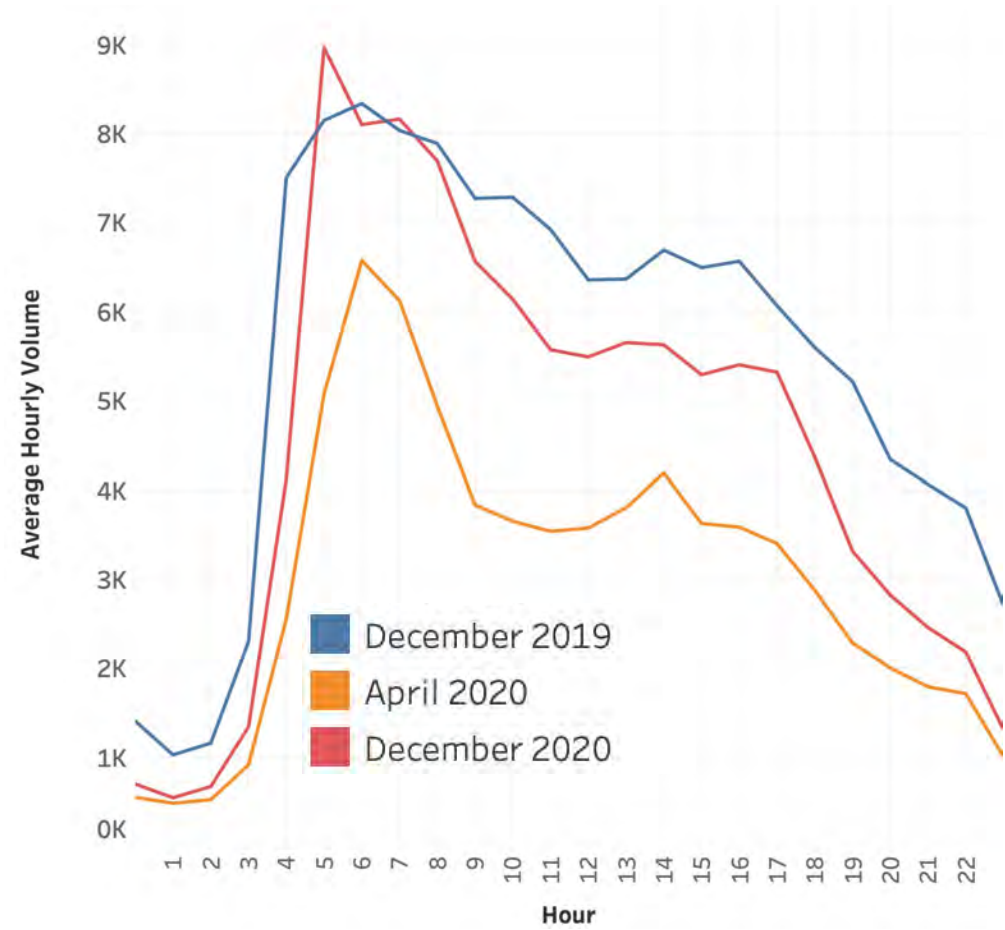
Transit Travel Path Through the Toll Plaza Peak Hour Buses from Each Approach



Bay Bridge AM Traffic Close to Normal

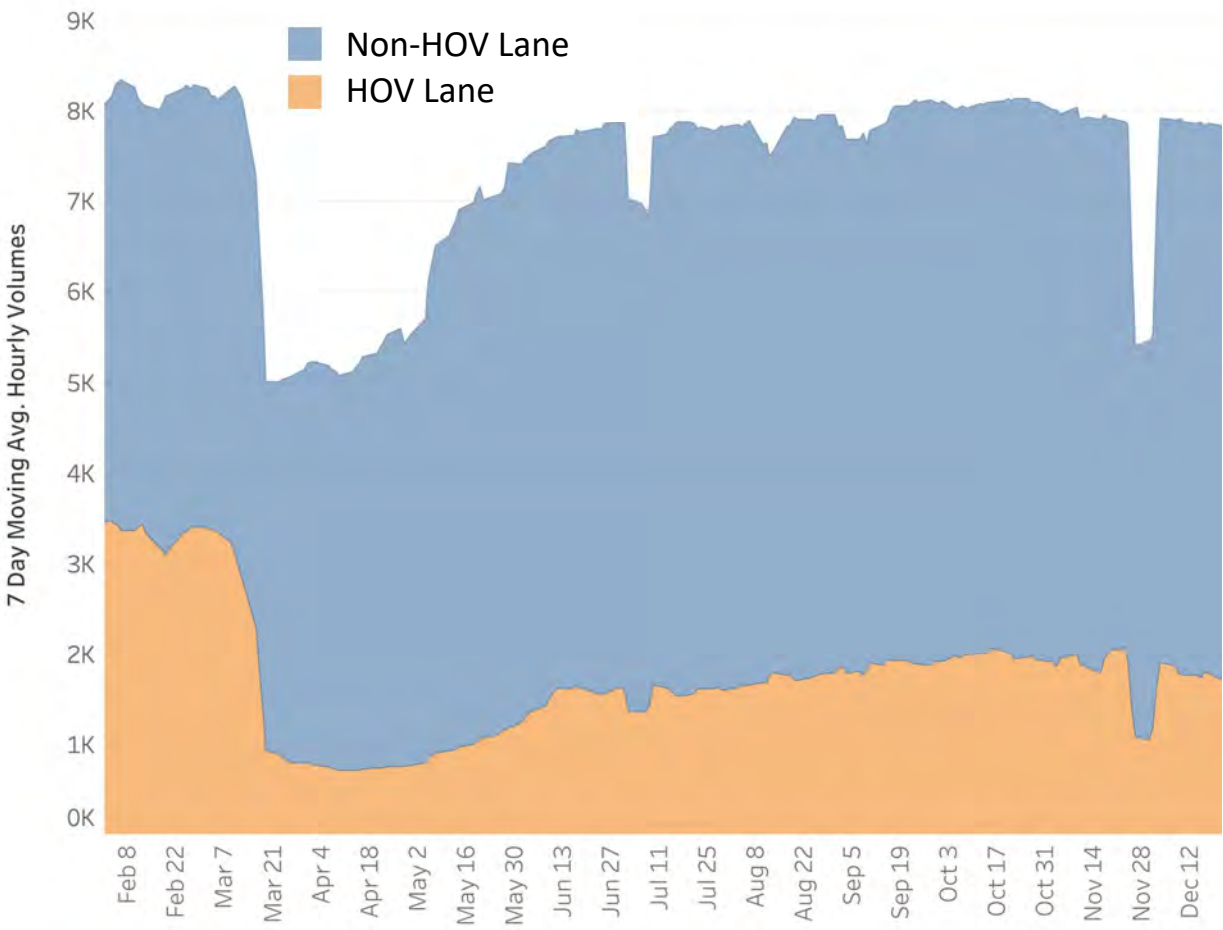
HOV Traffic is Slower to Recover

SFOBB WB Hourly Volumes (Tu-Fri)

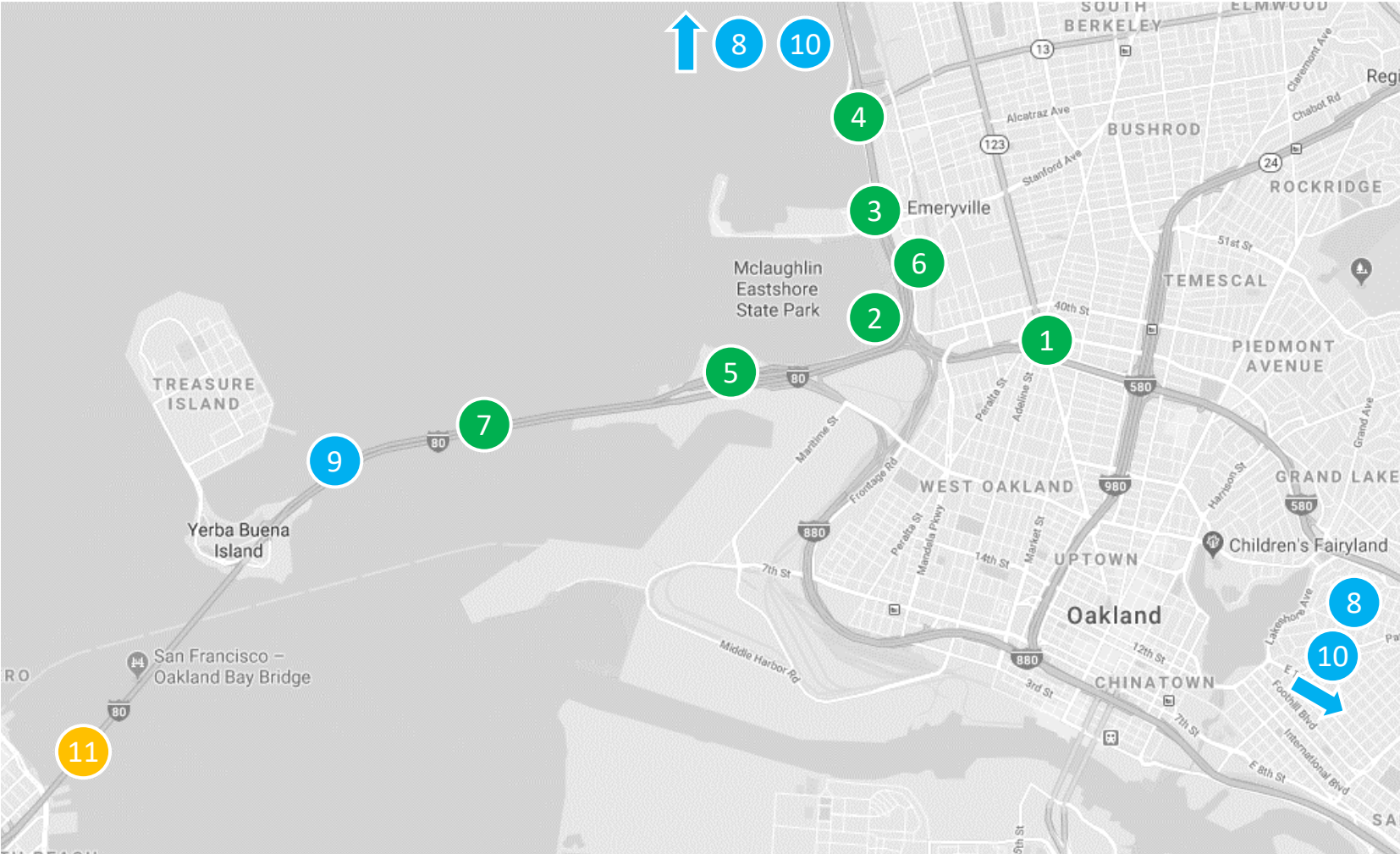


Source: MTC

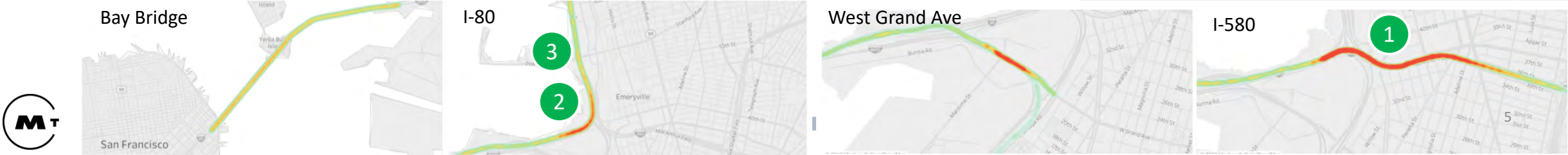
SFOBB 5-10 AM Volumes by Lane Type (Tu-Fri)



Bay Bridge Forward 2020: Suite of Strategies



| Operational Improvements | | Cost (2019\$, M) |
|----------------------------------|--|---------------------|
| 1 | ALA 580 WB Bus/HOV Lane Extension | 40 |
| 2 | ALA I-80 WB Bus Lane Extension | |
| 3 | I-80 Powell Interchange Transit Access Improv. ALA/CC I-80 Design Alternative | |
| 4 | Assessment/Operational Improvements | |
| 5 | Bridge Approach Bus/HOV Lane Hours of Operations | |
| 6 | I-80 HOV Lane Access Mod/Restrictions | |
| 7 | Dynamic Bridge Operations: Dynamic transit routing, advanced traveler's information on alternate modes, and others | |
| Express Bus Service/Transit Core | | |
| 8 | Pilot Transbay Express Bus Routes (AC Transit, WestCAT) | 19 |
| 9 | SFOBB Bike Shuttle | |
| 10 | Commuter Parking on I-580/I-80 | |
| Shared Mobility | | |
| 11 | MTC SHIFT Employer Focused | 6 |
| | Total | 65 |



I-580 Westbound HOV Lane Extension

Convert General Purpose Lane to HOV Lane



**Benefits AC
Transit Lines**
B, CB, E, NX, NX1,
NX2, NX3, NX4,
NXC, P, V



I-80 Westbound Bus Lane and Powell St I/C Transit Access Improvement

Convert Freeway Shoulder to Bus/HOV Lane



Convert I-80 WB Shoulder to Bus/HOV Lane



Benefits AC Transit Lines C, F, J

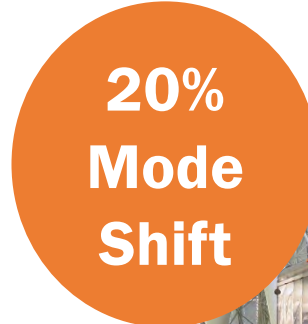
Roadmap to Prioritizing Transit + Shared Mobility in the Bay Bridge Corridor



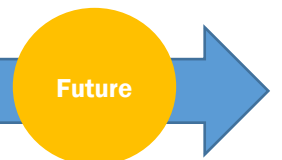
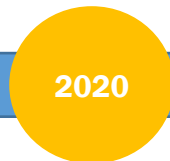
- Relieve congestion at the West Grand approach
- Commuter Parking
- Grow fleet, Add more Transbay transit services
- Manage travel demand



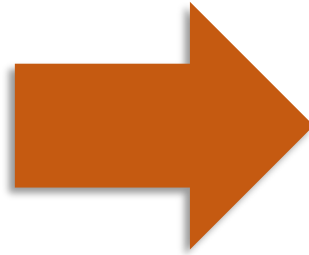
- Fix bridge approaches (580, 80, etc.)
- Grow fleet, Add more Transbay transit services
- Commuter Parking
- Manage travel demand



- AET, ORT
- Congestion Pricing, Two-Way Tolling
- Managed Lanes on I-80 and I-580
- HOV Lane Policy: Occupancy and Hours of Operations, Access Restrictions
- Bay Skyway



Breaking the Project Delivery Paradigm



Faster Delivery



**EXPECT
DELAYS**

DETOUR

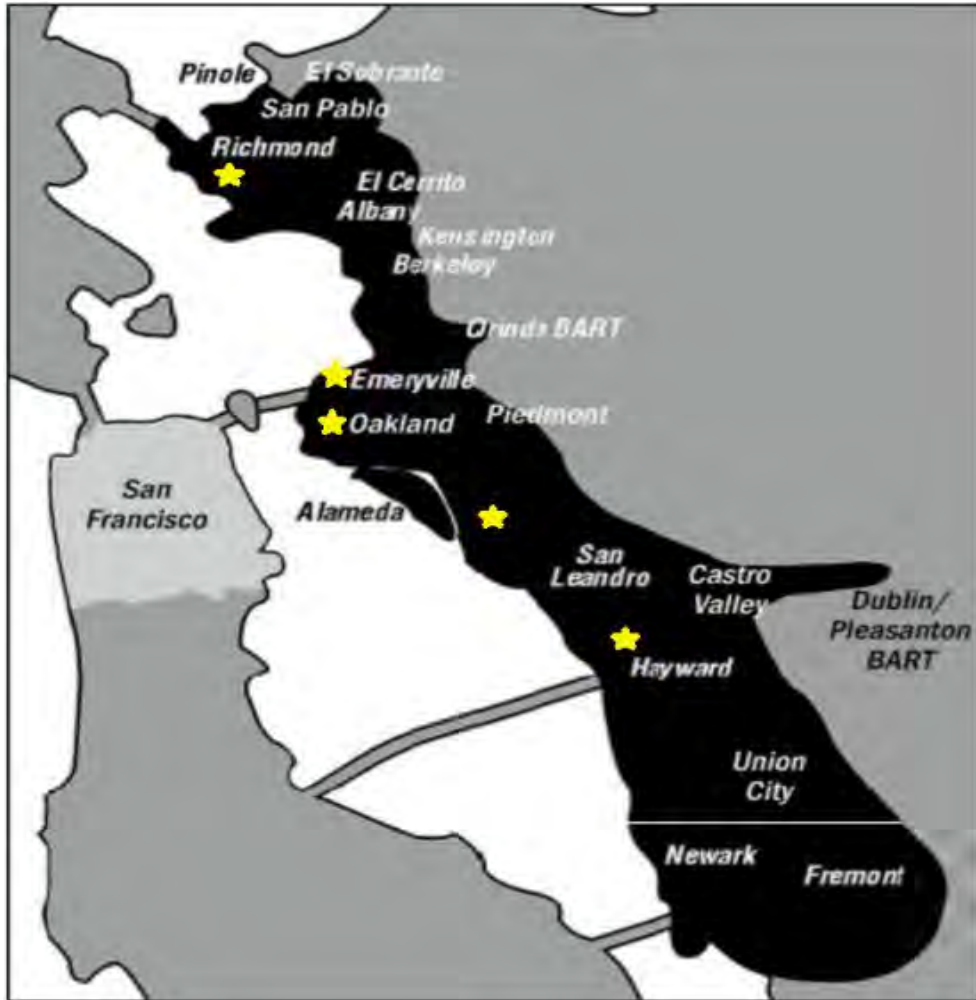

Bay Bridge Transit Priority

SPUR

AC TRANSIT

MARCH 17, 2021

AC TRANSIT AT A GLANCE



AC Transit Ridership - Systemwide

| | |
|----------------------|------------|
| Daily (Weekday) | 175,000 |
| Annual | 53,064,000 |
| Paratransit (Annual) | 764,000 |

AC Transit Service - Systemwide

| | |
|-------------------------------|--------------|
| Bus Lines | 151 |
| Annual Service Miles | 21.0 million |
| Daily Service Hours (weekday) | 5,840 |

Connect with 16 other bus systems, 25 BART stations, six Amtrak stations, and three ferry terminals.

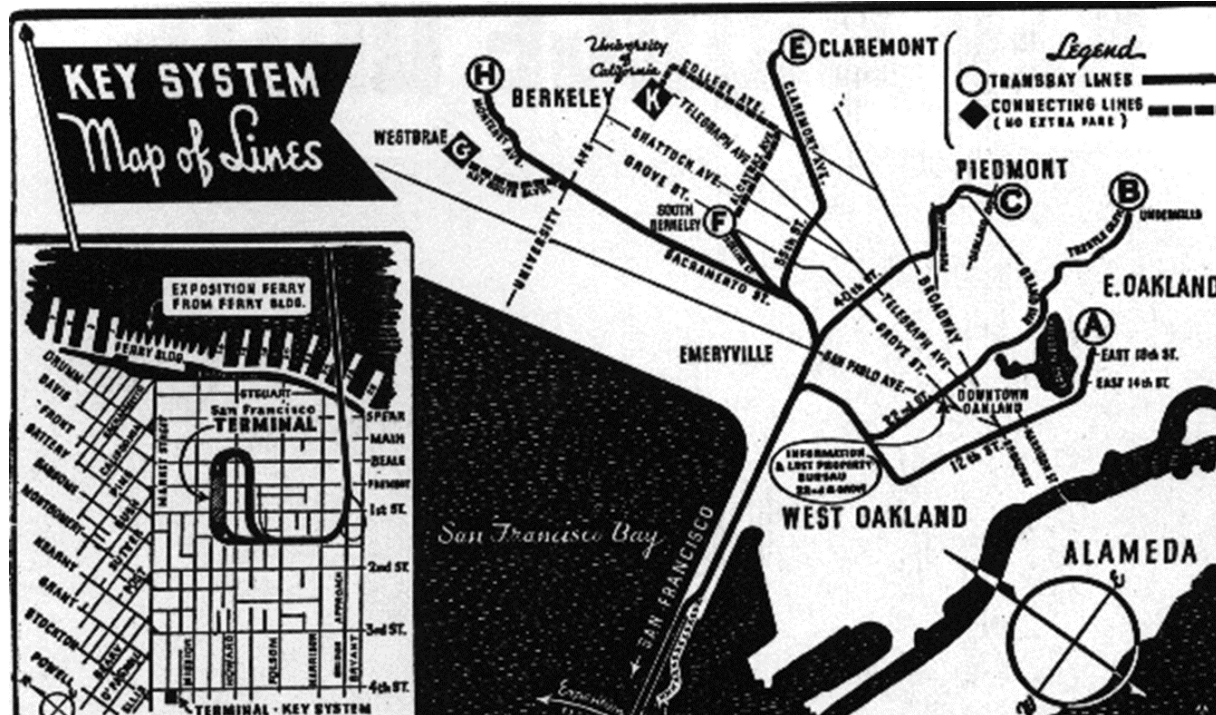
FY18/19 Ridership and Service Data (pre-COVID)

Transbay Service



- Successor to the Key System commuter service
- 26 Transbay Lines on the Bay Bridge corridor
- 15,500 riders each weekday (pre-COVID-19)
- No Point-to-Point service
 - Local Segments: 2-13 Miles
 - Freeway Segments: 8-28 Miles
- Longer Stop Spacing Standards: $\frac{1}{2}$ vs $\frac{1}{4}$ mile
- Enhanced bus fleet

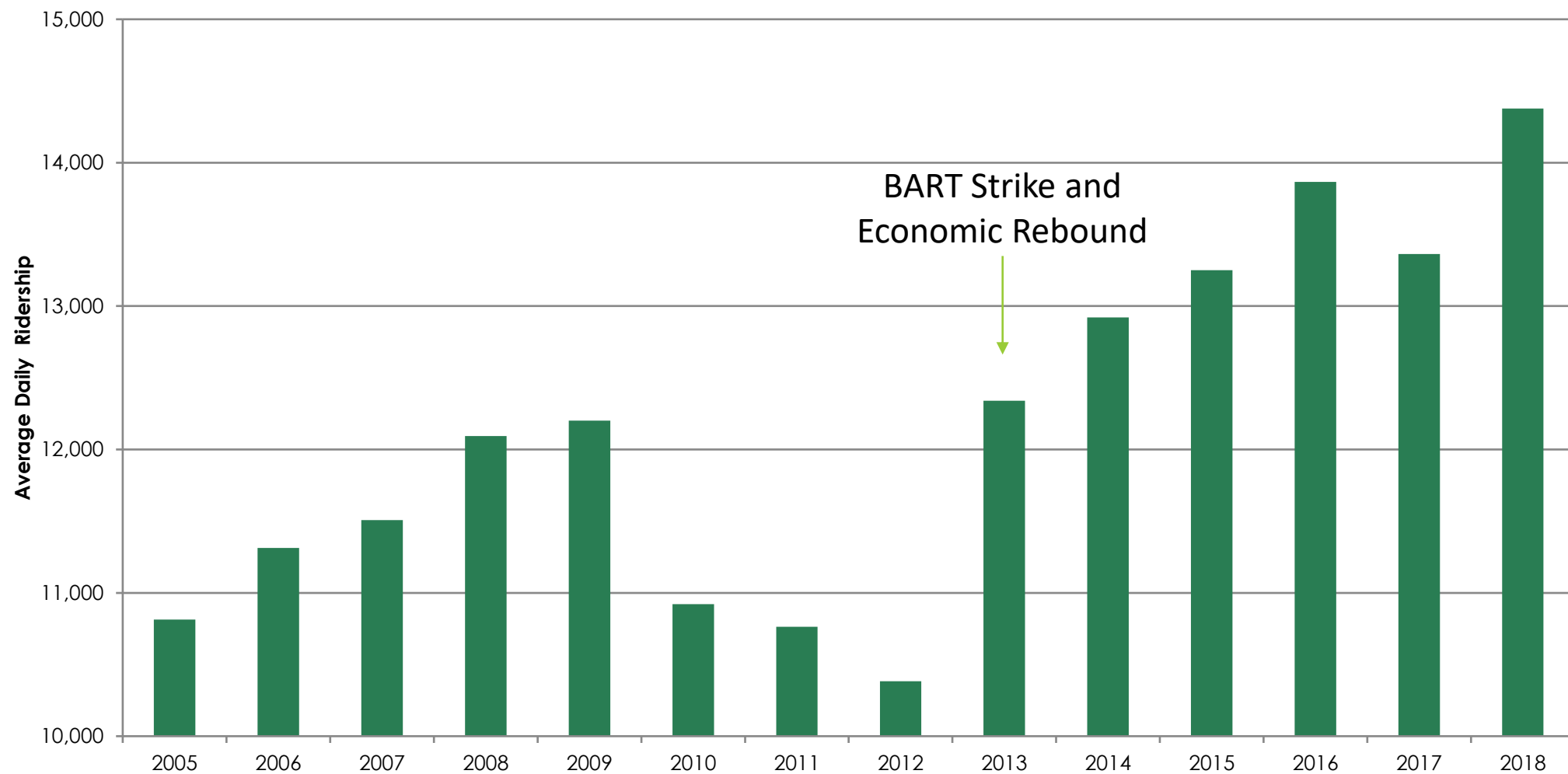
1930s



2019



TRANSBAY RIDERSHIP - HISTORICAL



TRANSBAY AVERAGE SPEED



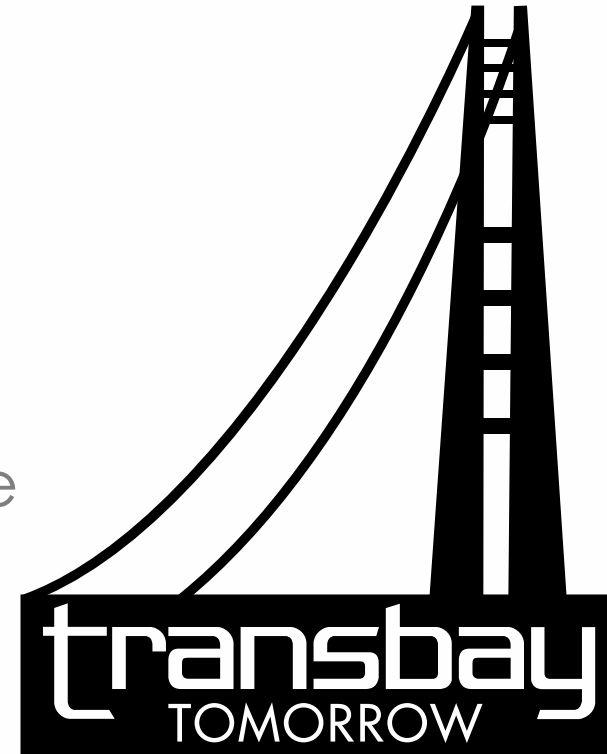
Transbay Tomorrow

Transbay service Comprehensive Operations Analysis

Launched in 2017 Following (the MPO) Metropolitan Transportation Commission's Core Capacity Transit Study

Aims to Develop and Implement Transbay Service Improvements:

- Routing
- Scheduling
- Stops
- Infrastructure



Transbay Tomorrow Improvements

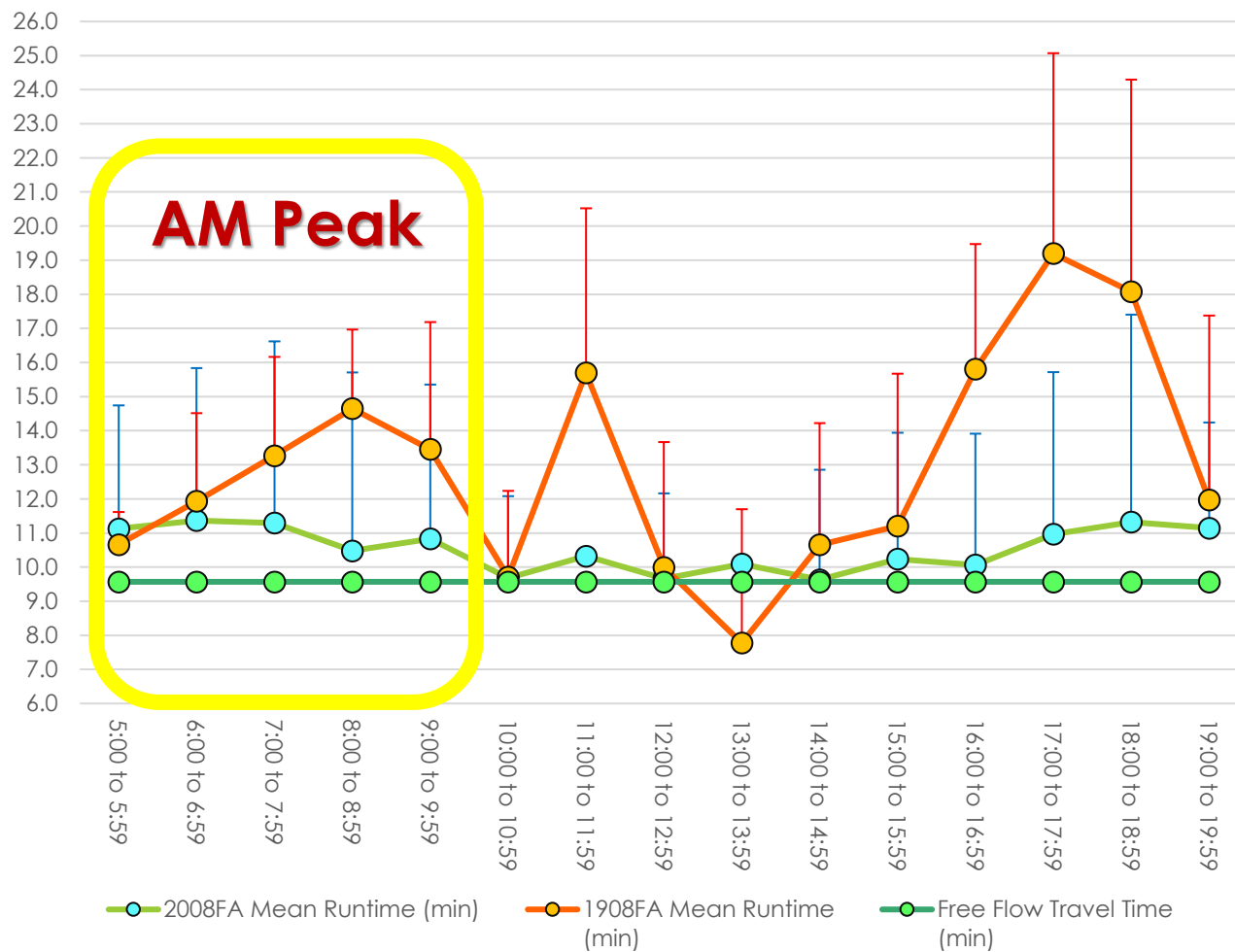
SUMMER 2018

- Improve Stop Spacing
- Cut Unproductive Service and Reallocate Resources
- Prioritize Transbay Passengers
- Transit Priority on Key SF Bottleneck

WINTER 2018

- Double Decker Deployment
- Dedicated Bus Lanes
- Span Increases
- Frequency Increases
- Truncate Routes

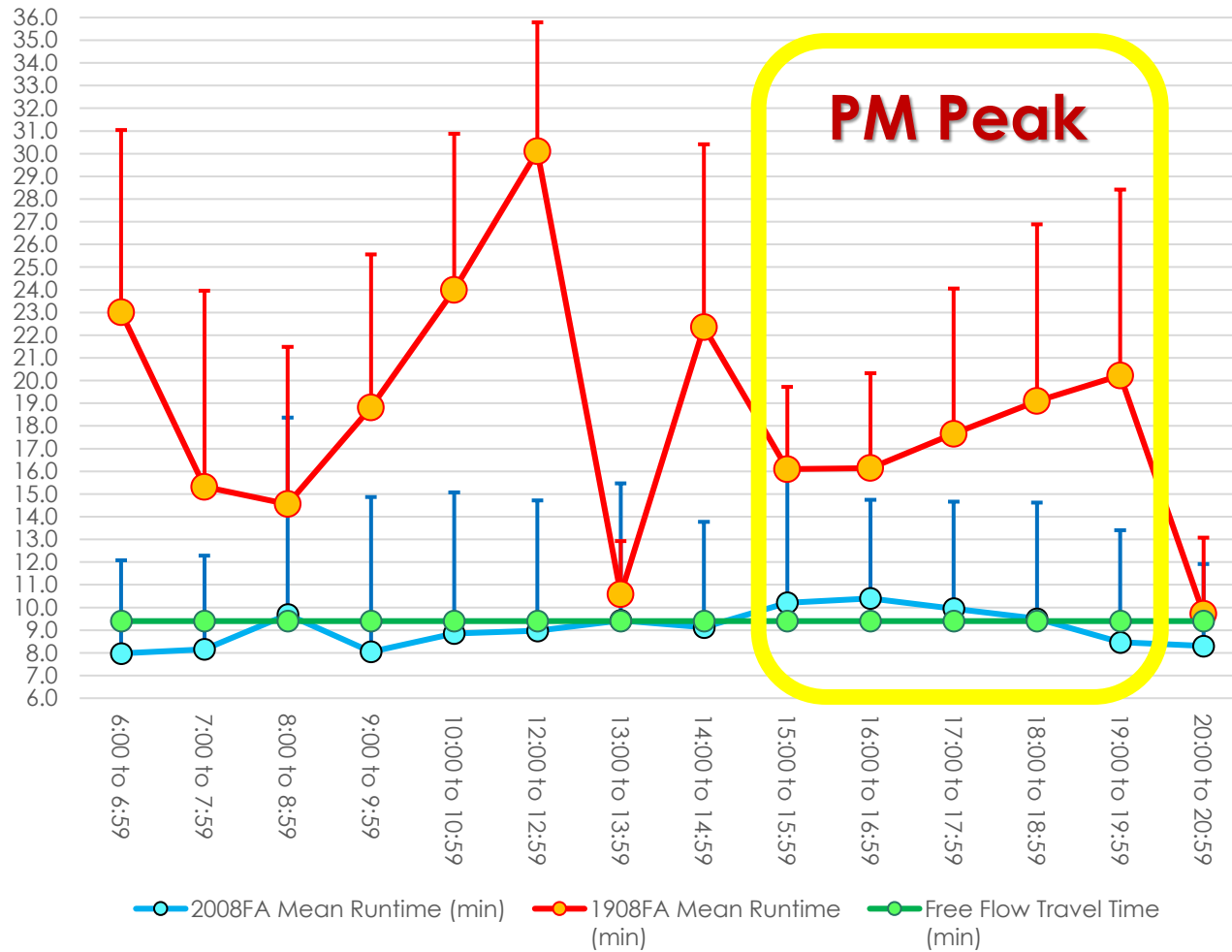
Westbound Travel Time from Bay Bridge Toll Plaza to
Salesforce TC
(Fall 2019 vs Fall 2020)



BAY BRIDGE
2020 VS 2019
BUS TRAVEL
TIME

WESTBOUND

Eastbound Travel Time from Salesforce TC to Bay Bridge
Toll Plaza
(Fall 2019 vs Fall 2020)



BAY BRIDGE
2020 VS 2019
BUS TRAVEL
TIME

EASTBOUND



Thank You