

ALAMEDA COUNTY TRANSPORTATION COMMISSION

Bay Bridge Forward and I-80 Design Alternatives Assessment (DAA)



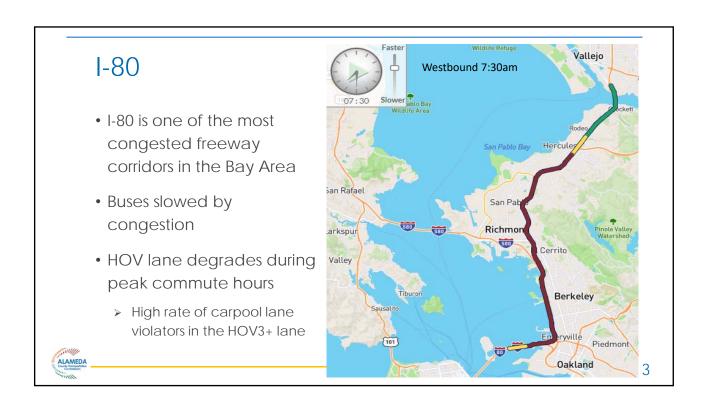


Multi-Modal Committee
July 12, 2021

Agenda

- Overview of Bay Bridge Corridor
- Bay Bridge Forward
- I-80 Design Alternatives Assessment
- Discussion





Bay Bridge

- Congestion on the East Bay side approaching the bridge is significant, and worse than congestion on the bridge itself
- Buses and HOVs are stuck in congestion on approaches to HOV by-pass lanes







Bay Bridge Forward – Alameda CTC/ MTC Partnership Efforts

- Alameda Co. I-580 WB HOV Lane Extension
- Alameda Co. I-80 WB Bus Lane Extension
- Alameda Co. I-80 Powell Interchange Transit Access Improvement
- Park & Ride Lots along I-580/I-80
- Alameda Co./Contra Costa Co. I-80 Design Alternative Assessment

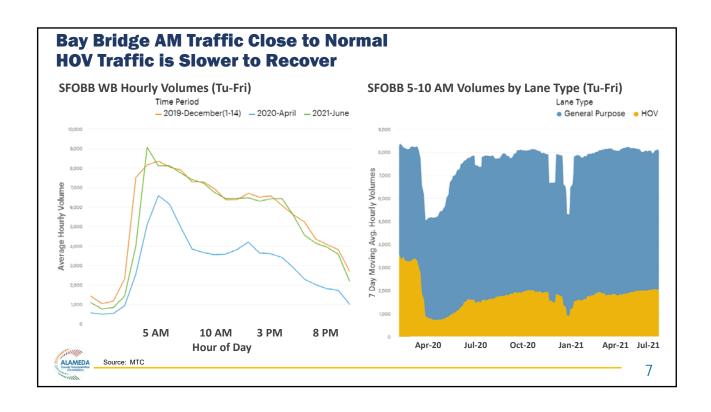


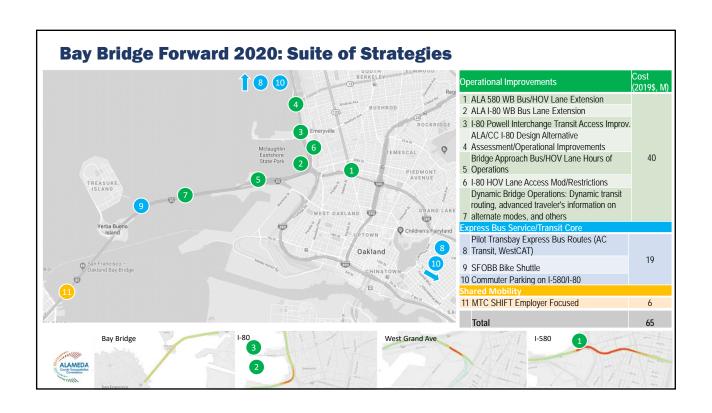
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Delivering Near-Term and Low-Cost Transit Priority Improvements







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



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



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Bay Bridge Forward Delivers Results

West Grand Ave On-Ramp **Bus/HOV Lane**



21 Minutes Saved



109% HOV Volume

Vehicle Occupancy Detection -Pilot Phase 1



78% - 88% Overall **System Accuracy Rate**

Commute Management Platform with Kaiser



4900 registered employees

ALAMEDA

AC Transit Double Deckers + Increased Service



- 50% reduction in overcrowded trips (2017)
- 40% reduction in overcrowded trips (2018)
- 7% increase in ridership (2018)

WestCat Double Decker Transbay Express



- 24% increase in daily passengers in June 2019
- 19% increase in average weekday passengers over 2018

WETA Ferry Service Enhancement



28% increase in Alameda/Oakland weekday

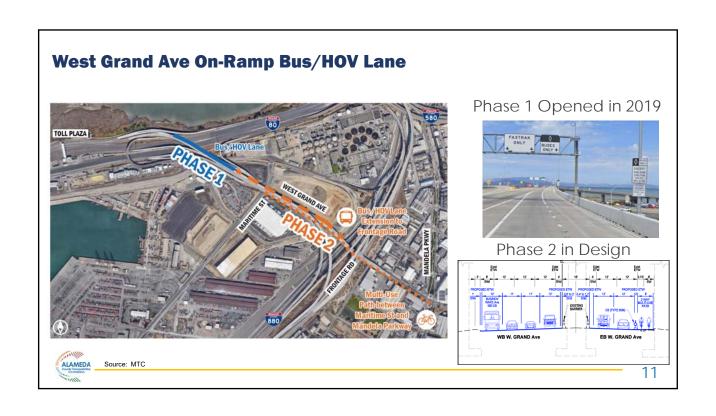
Flexible On-Demand Transit Pilot with UCSF

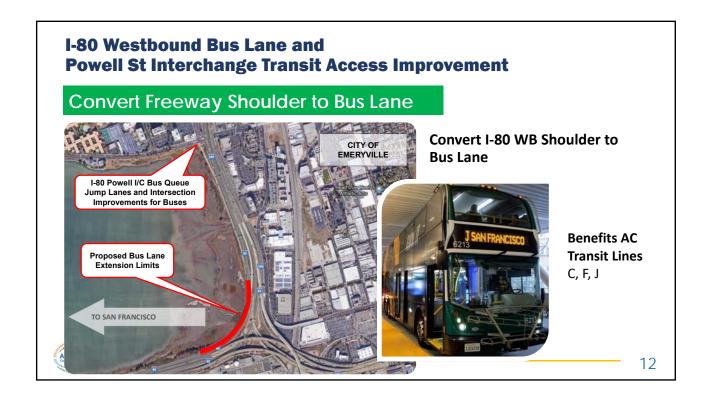


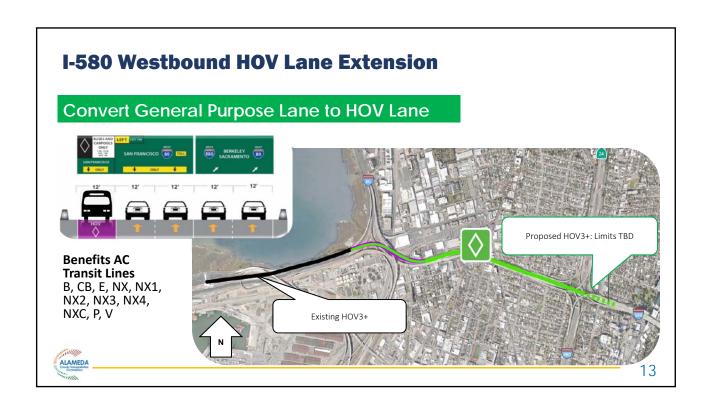
10,000+ trips served during pilot

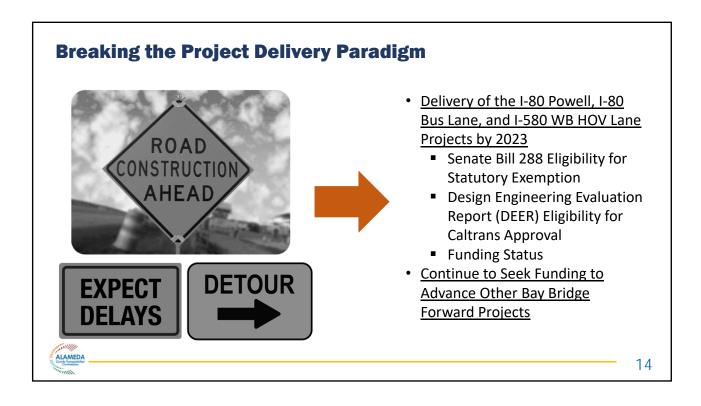


780+ unique users

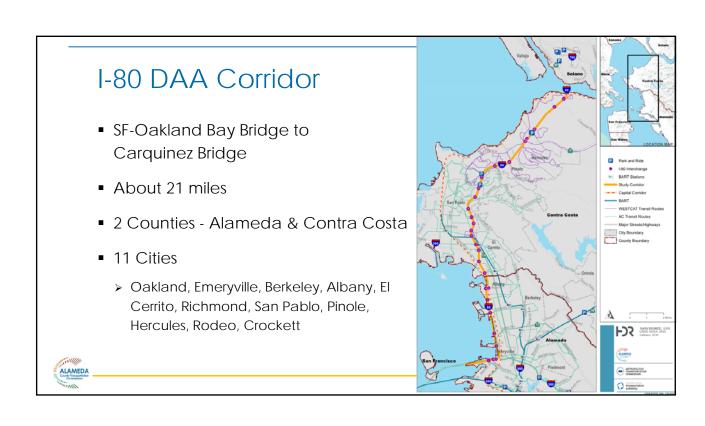


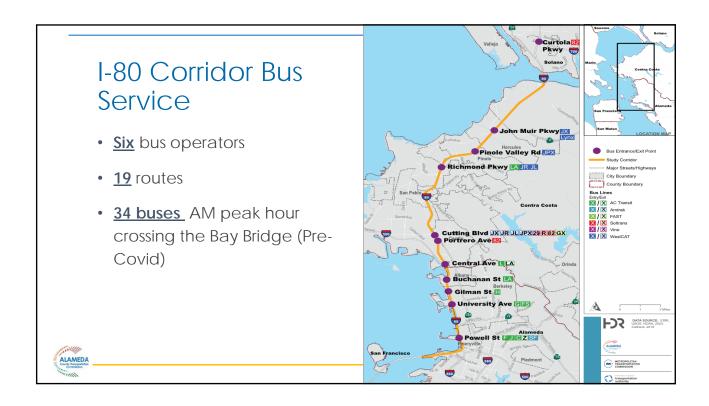


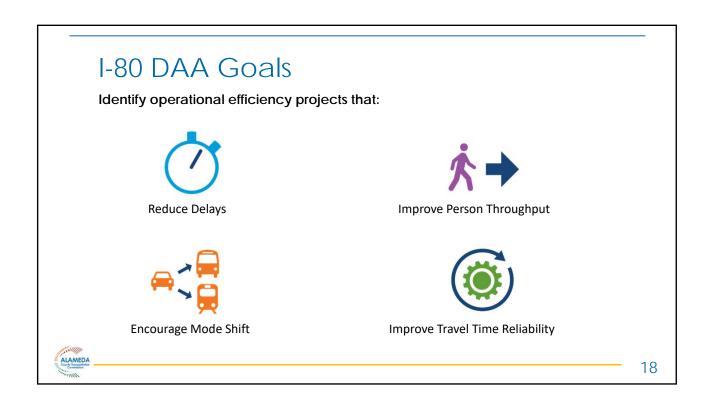












Potential Concepts/Strategies

- HOV Lane Access Restrictions
- HOV/Bus Queue Jump Lanes
- HOV Operating Policies
 - > Hours of operation
 - Occupancy
- HOV Conversion to Express Lanes
- GP Conversion to Managed Lane
- Dual Managed Lanes
 - > Very-high Occupancy

- Express Bus Access to and from Freeway
- Part-time Bus/Transit Lane
- ICM Corridor Enhancements for Transit
- Transit/TDM Strategies
 - > New/Modified Transit Service
 - > Park and Ride



