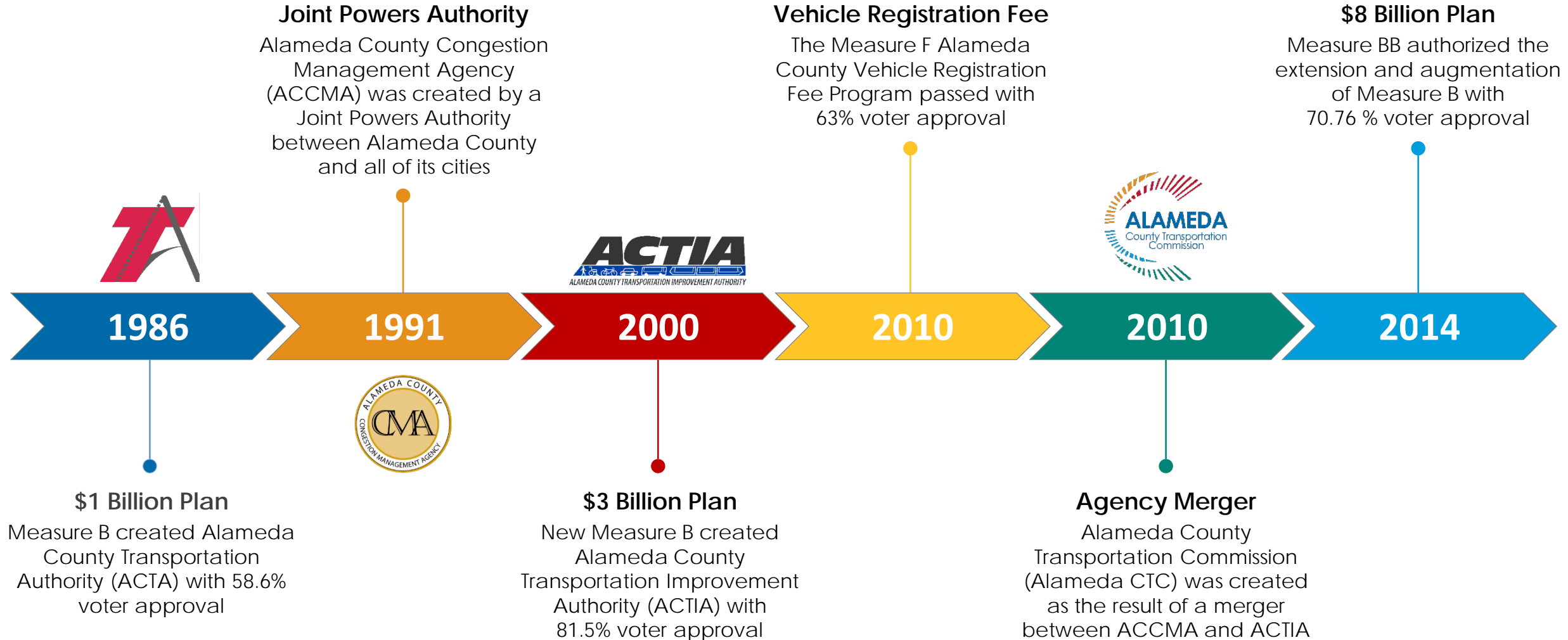


Alameda County Opportunities for 2020 Transportation and Beyond



Key Questions

Alameda CTC History



1986

- Airport Roadway
- Dublin/Pleasanton BART Extension
- I-580/I-680- Interchange
- I-880 Nimitz Freeway Reconstruction
- Roads and Transit Funding
- SR-13/SR-24 Interchange
- SR-84 Livermore
- SR-238



2000

- ACE Rail
- Bicycle, Roads and Transit Funding
- BART/Oakland Airport Connector
- BART/Fruitvale Transit Village
- BART Warm Springs Extension
- I-580 and I-680 Express Lanes
- Highway Improvements on I-80, I-580, I-680, I-880, SR-84
- Union City Intermodal Station



2014

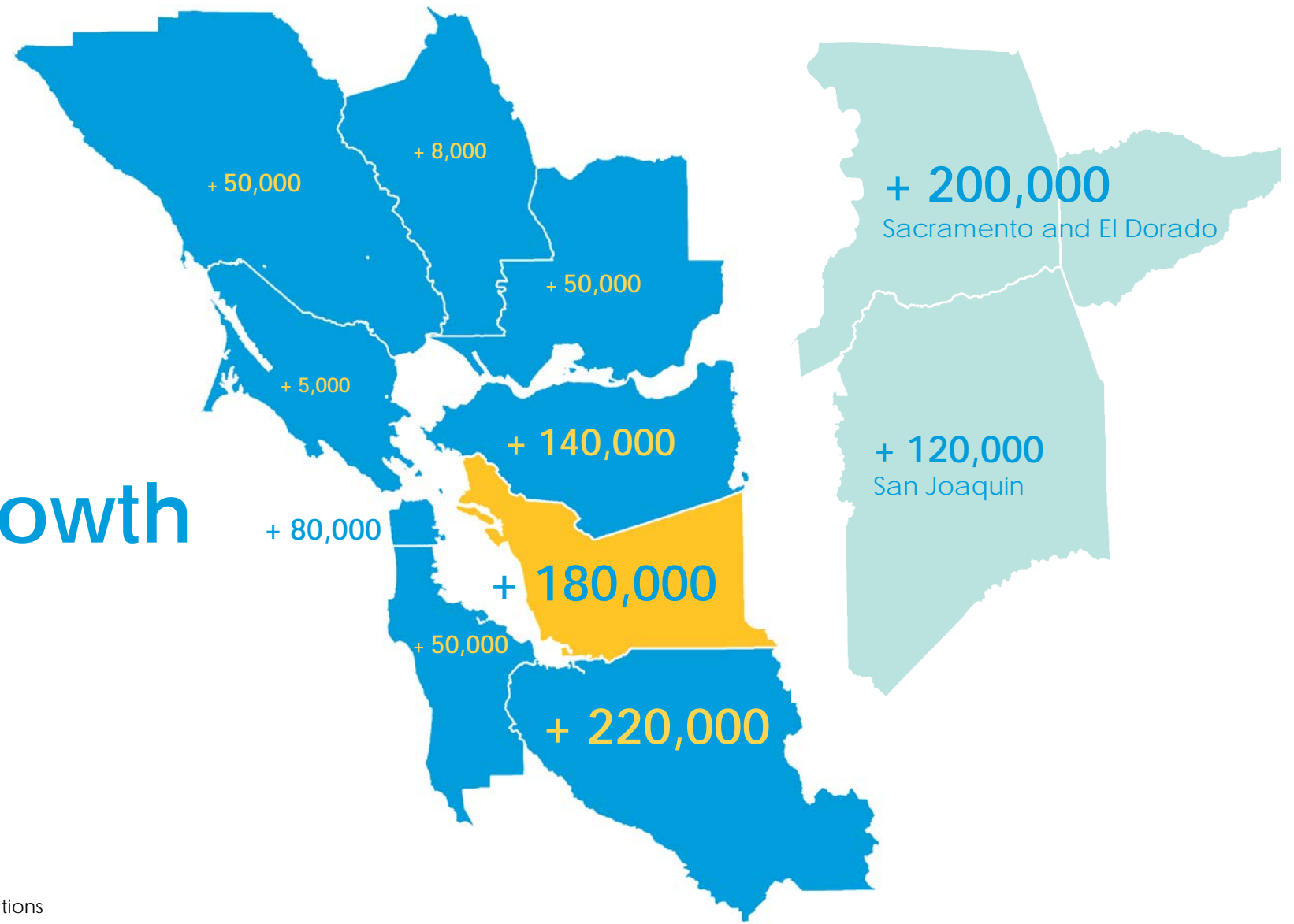
- Affordable Student Transit Pass Program
- Bicycle, Roads and Transit Funding
- BART System Modernization and Expansion
- Goods Movement/Freight and Economic Development
- Major Transit Corridor Enhancements and Rail Connection
- Rapid Bus Projects
- Traffic Relief on Highways



Major Trends Affecting Transportation

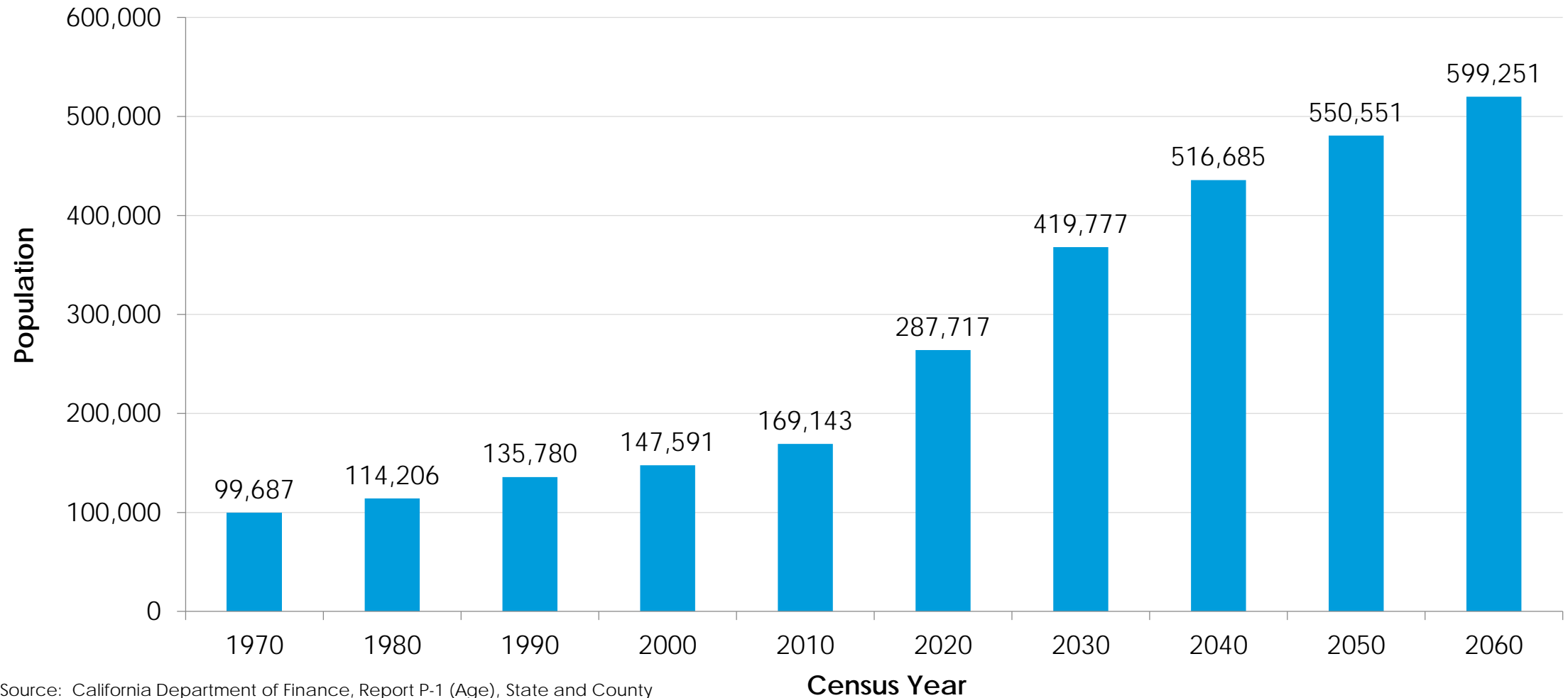
- Growing and aging population
- New mobility and emerging technology and services
- E-commerce
- Safety
- High cost of living
- Climate/Resiliency
- Economy

Projected 10-Year Population Growth (2030)



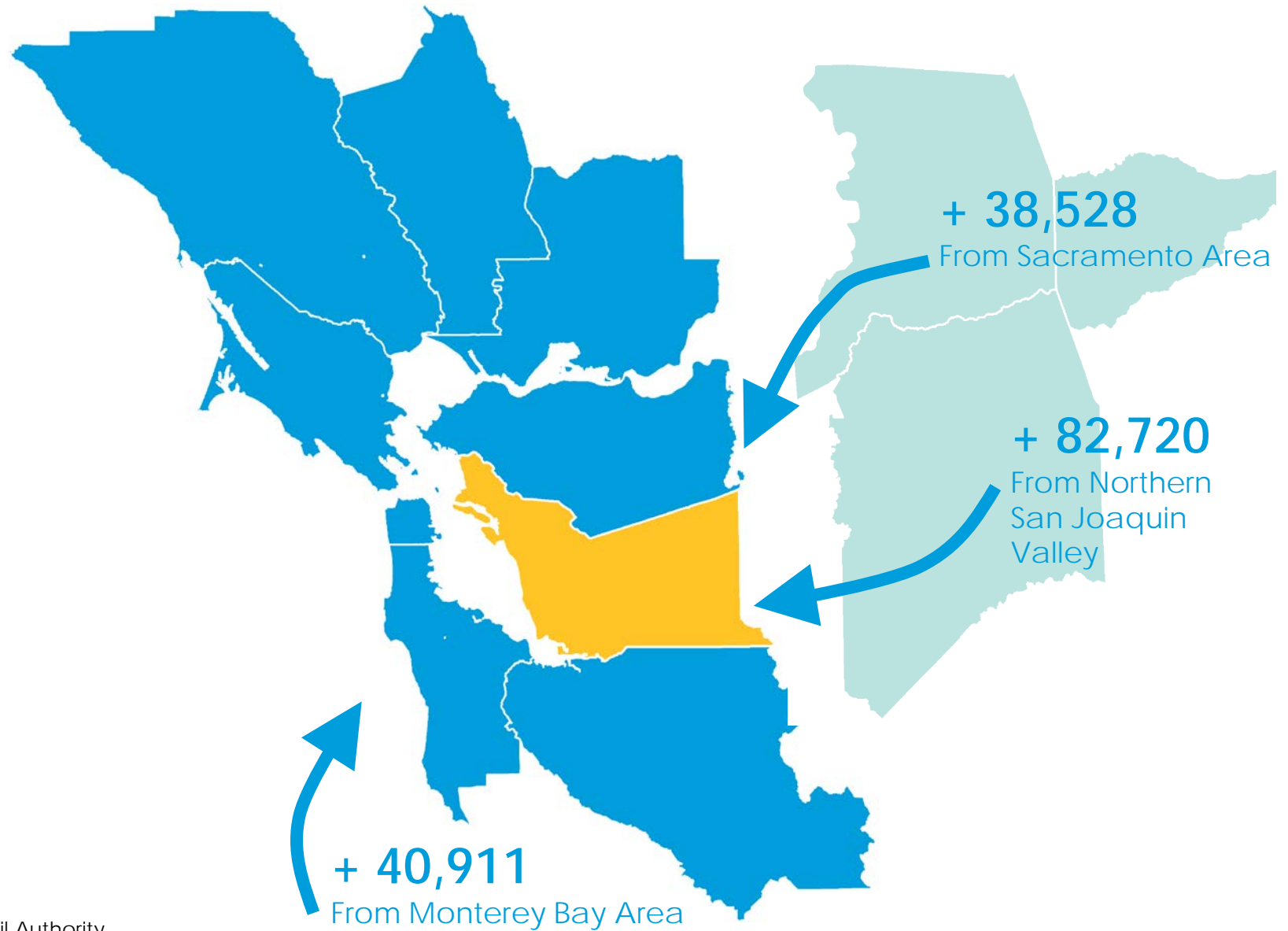
Source: Department of Finance, P-1 Population Projections

Population Projections Ages 65+: 2020-2060



Source: California Department of Finance, Report P-1 (Age), State and County Population Projections by Major Age Groups, May 2019

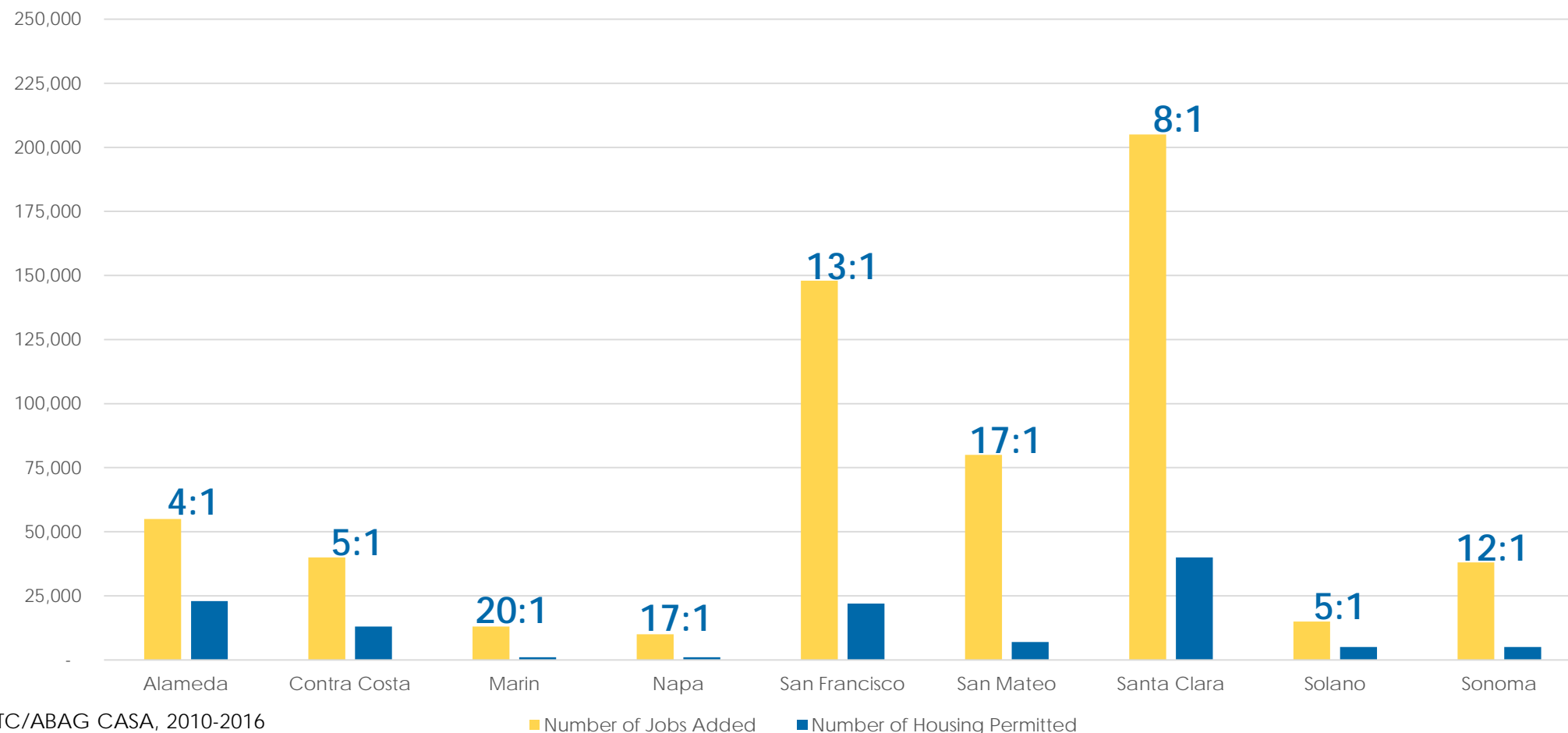
Change in Commuter Trips (2013 - 2016)



Source: Tri-Valley-San Joaquin Valley Regional Rail Authority

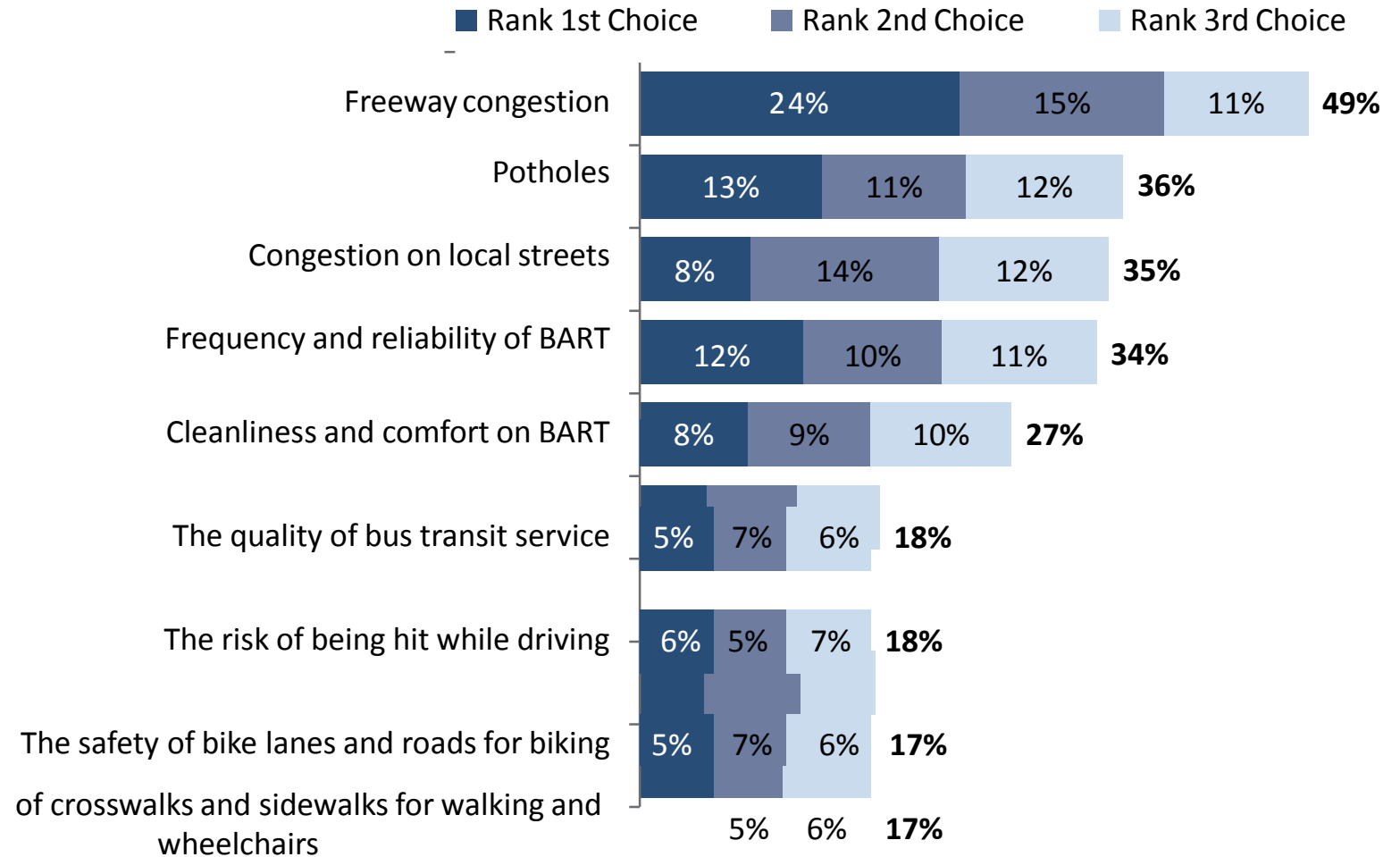
Job Growth Far Surpassed New Housing

Ration of jobs added to housing permitted (2010-2016)



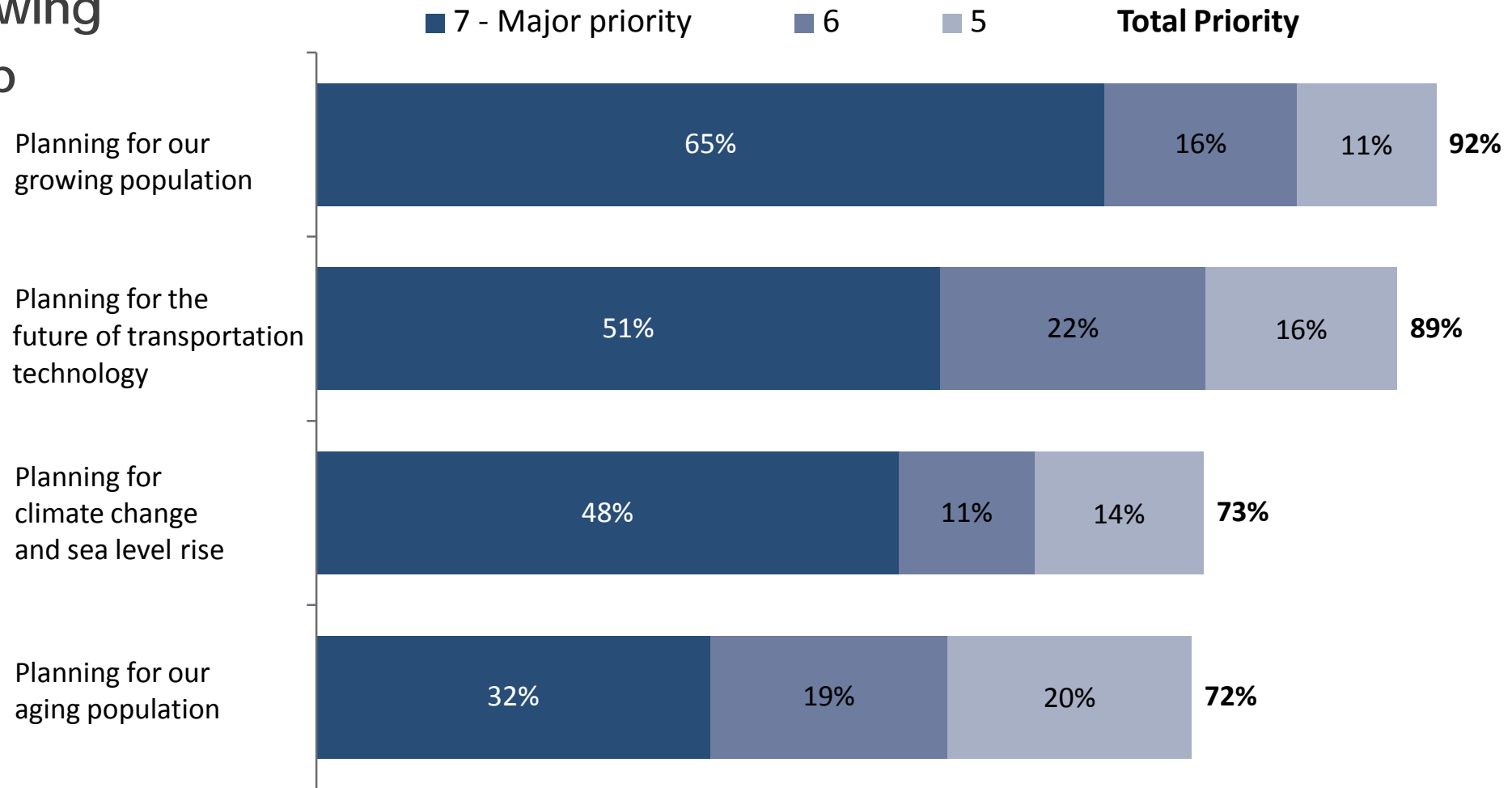
Top Concerns Today – Countywide

For the overall county population, freeway congestion is the top-ranked transportation concern, with nearly twice as many ranking that first than any other concern, and half identifying it as among the top three.



Priority – Planning for the Future

Planning for a growing population is a top concern. A majority also think a major priority is planning for future transportation technology.

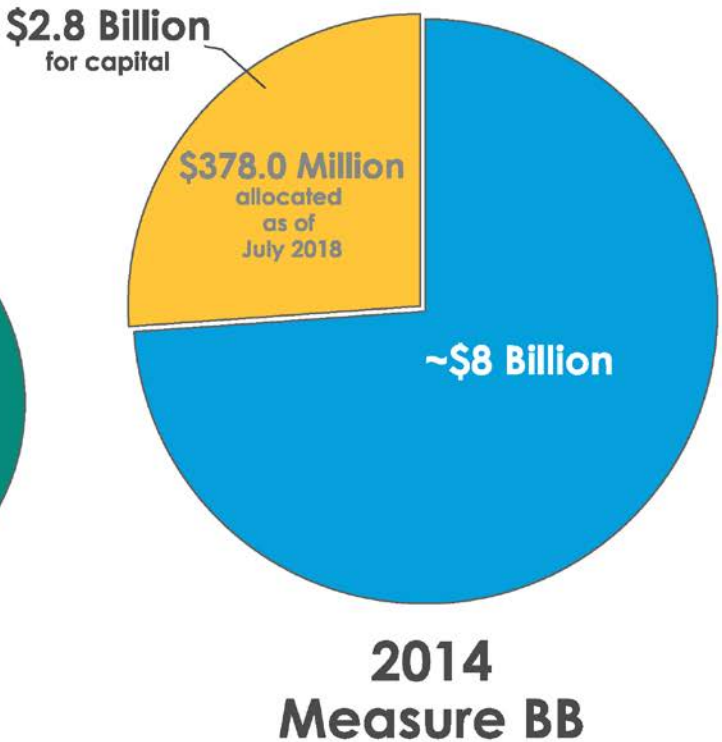
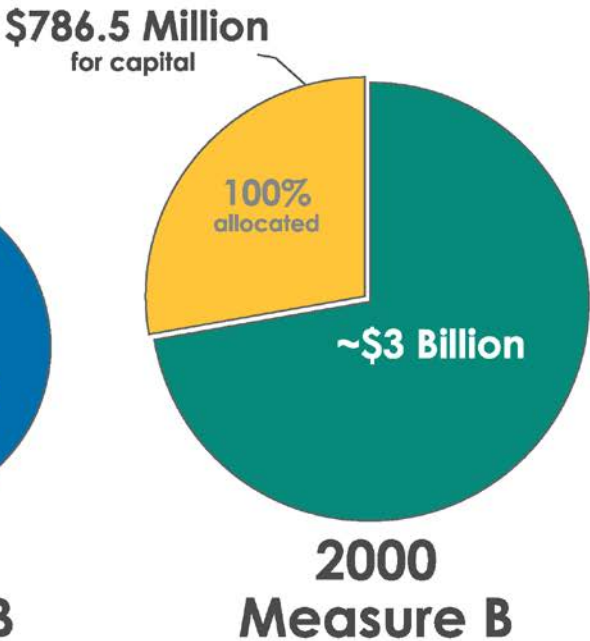
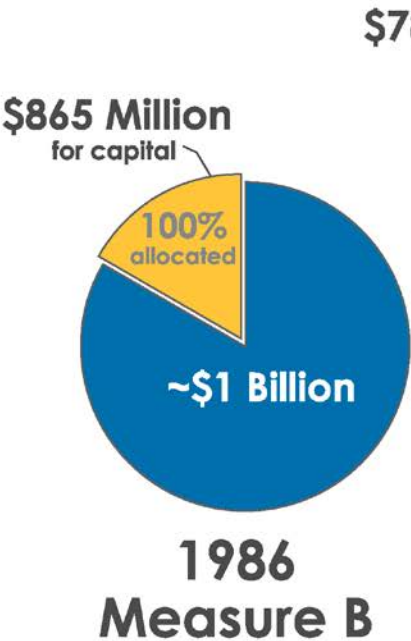


Capital Program Funding Overview



FEDERAL FUNDING
STATE FUNDING
REGIONAL FUNDING

PROPOSITION 1B
\$447 Million allocated
Leveraged to deliver
a \$1.14 Billion program

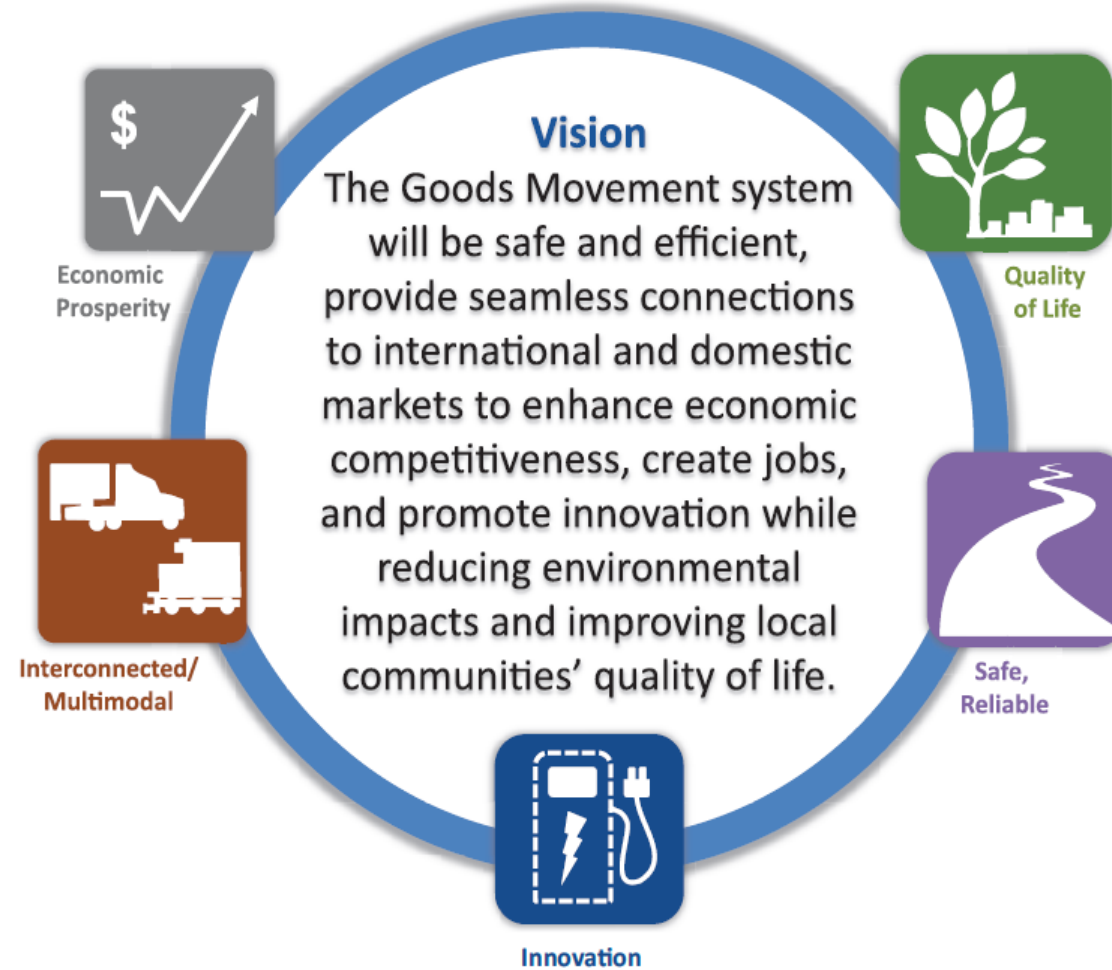


ALAMEDA COUNTY TRANSPORTATION COMMISSION

Goods Movement

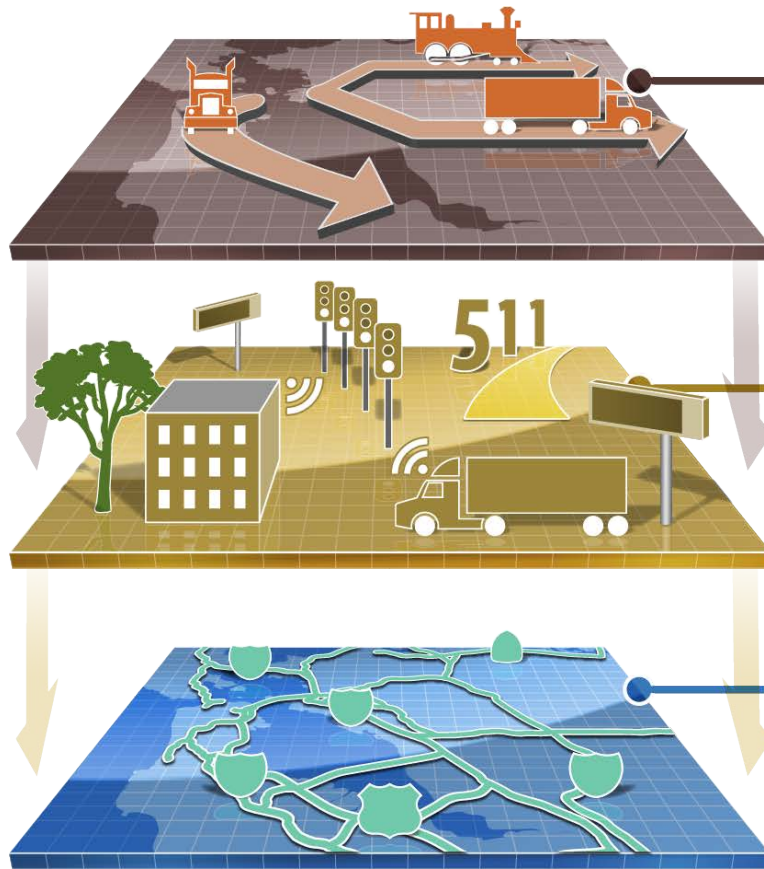


Goods Movement Plan Vision and Goals



Goods Movement Plan Recap

Opportunity Categories



OPPORTUNITY CATEGORY 1:

Sustainable Global Competitiveness

OPPORTUNITY CATEGORY 2:

Smart Operations and Deliveries

OPPORTUNITY CATEGORY 3:

Modernize Infrastructure

Where We Are Today: Goods Movement

Projects

- Advancing priority infrastructure improvements:
GO Port: 7th Street Grade Separations East and West, and Freight Intelligent Transportation System
- Highway Improvements:
I-880 interchange projects scoping, I-80 Gilman and Ashby interchange projects

Planning

- Adopted Alameda CTC Goods Movement Plan in 2016
- Alameda CTC Approves Funding for Freight Emissions Reductions Program 2016
- Alameda CTC adopts Rail Strategy in 2017
- MTC Adopts 10-year Investment Strategy for Goods Movement in 2018
- Rail Safety Program implemented in schools in 2019
- Rail Safety Enhancement Program underway 2019

Goods Movement 2020 and Beyond

- 1) Alameda County goods movement and rail strategy program is valued at \$1.8 billion. What partnerships and advocacy should be pursued to advance goods movement in Alameda County?
- 2) Are there other goals Alameda CTC should consider to move forward the goods movement agenda?

ALAMEDA COUNTY TRANSPORTATION COMMISSION

Highways and Express Lanes



Freeway Congestion 2012-2018

- Congested in 2012 and 2018
- Congested 2018
- Uncongested by 2018

Sources: Alameda CTC LOS Monitoring Report 2018

Where We Are Today: Highways and Express Lanes

Projects

- Advancing projects on all interstate highways
- Closing gaps in Express Lane network on I-680

Planning

- Design Alternatives Analysis (DAA) on I-580:
 - 238 to Bay Bridge Toll Plaza
 - Dublin Grade (2019 DAA)
 - Altamont Grade (2020 DAA)

Highways and Express Lanes 2020 and Beyond

- 1) Should Alameda CTC lead efforts to expand Express Bus operations in concert with where express lanes are implemented?
- 2) Should Alameda CTC pursue and expand technology advancements for our highway system similar to the I-80 Integrated Corridor Mobility Program?

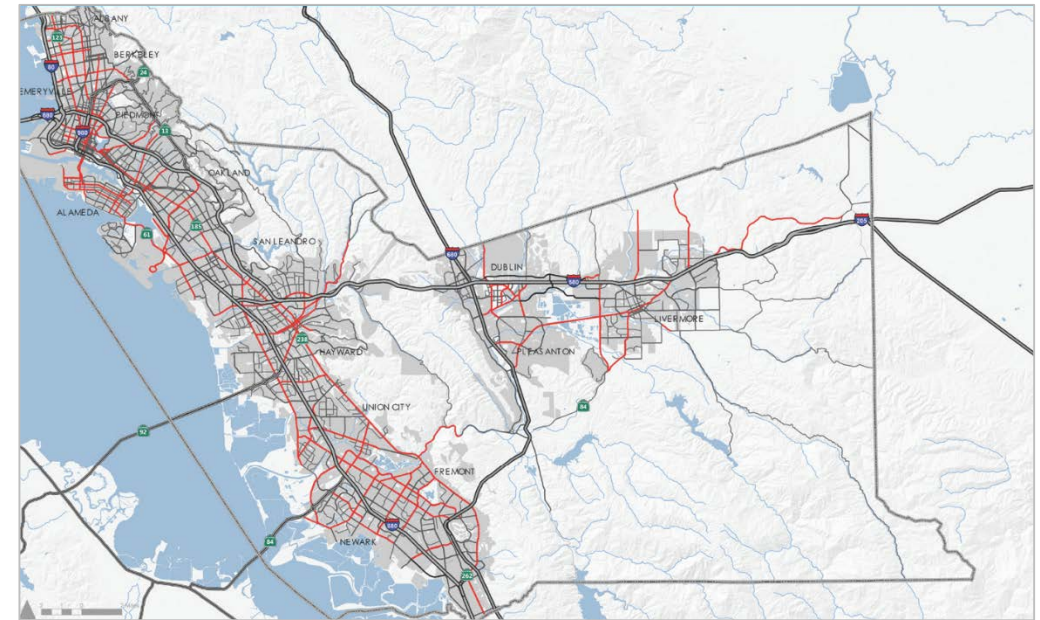
ALAMEDA COUNTY TRANSPORTATION COMMISSION

Arterials



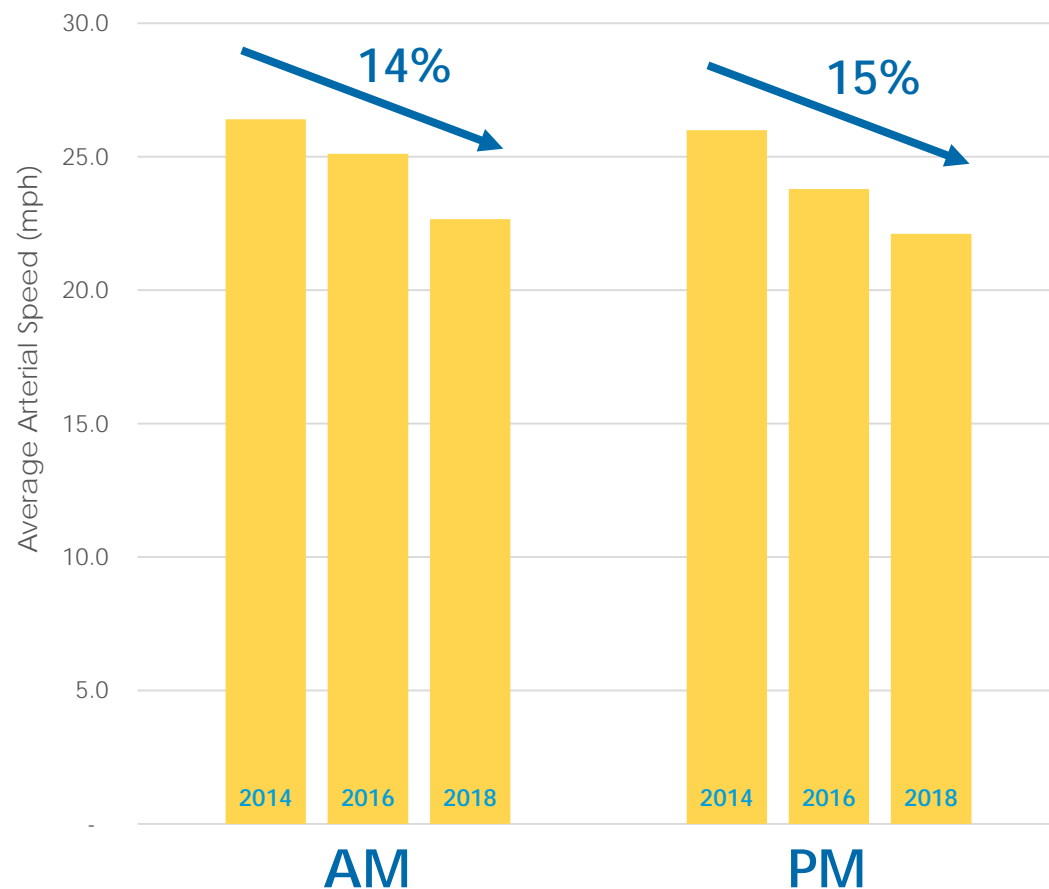
The Network

- **Arterials are the backbone of local communities and the entire transportation network**
 - **40 percent of daily trips in Alameda County** carried by 1,200 miles of arterials
 - Most PDAs are designated along major arterials
- **Demand for roadway use is rising:**
Regional economic and population growth have increased demand for goods and services, and a variety of users are competing to access the same roads.
- **Trip Diversion:** Widespread congestion on freeways diverts trips
- Mobile apps have exacerbated cut-through traffic



Congestion spreading to arterial roads

Average speeds on major arterials



- Arterial road speeds have been in decline since data collection began in 2014
- Bus reliability declining
- App-routed traffic may be influencing this

Source: 2018 LOS Monitoring Report

Where We Are Today: Arterials

Projects

- Advancing priority infrastructure improvements: San Pablo Avenue and East 14th Avenue/ Mission and Fremont Boulevards

Planning

- Adopted Alameda CTC Multimodal Arterials Plan in 2016
- Identification of next multimodal project development

Arterials 2020 and Beyond

San Pablo and East 14th Avenue/Mission and Fremont Boulevards carry some of the highest volumes of traffic and are designated PDA areas with many federally designated Opportunity Zones. Improvements on these corridors range between \$500 million to over \$1 billion.

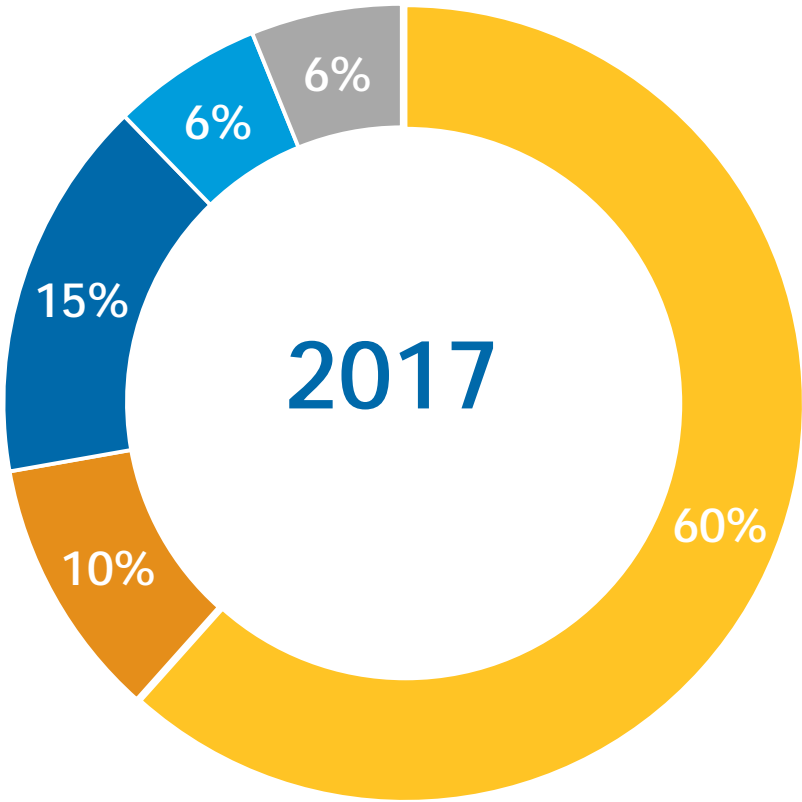
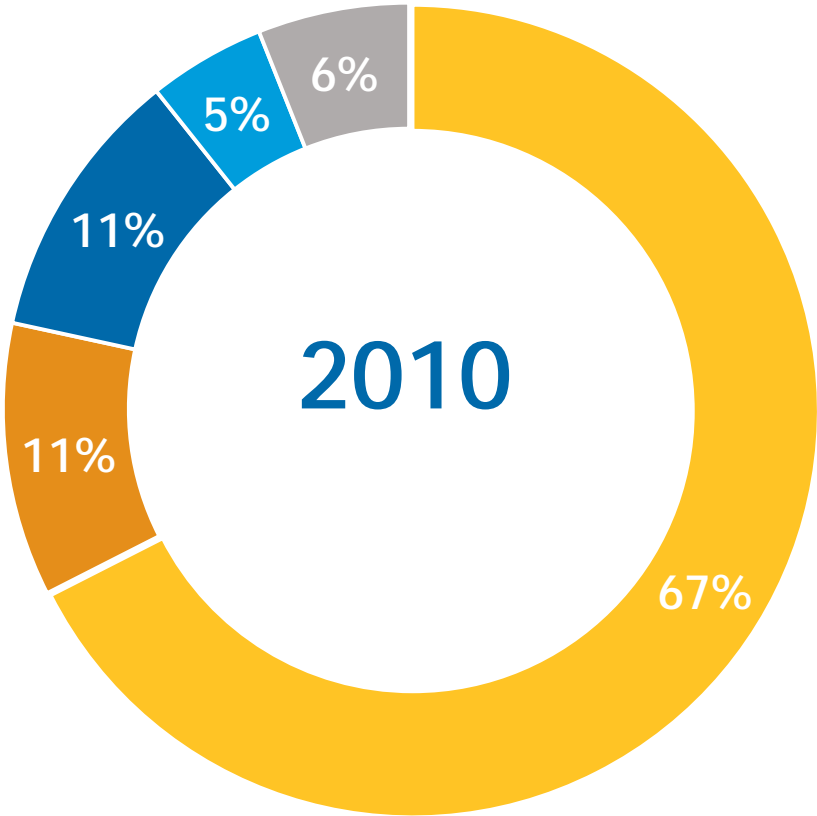
- 1) What partnerships are necessary to support the linkage between transportation, housing and jobs in these corridors and to close the funding gap?
- 2) What are the next generation of arterials projects Alameda CTC should consider focusing on ?

ALAMEDA COUNTY TRANSPORTATION COMMISSION

Transit



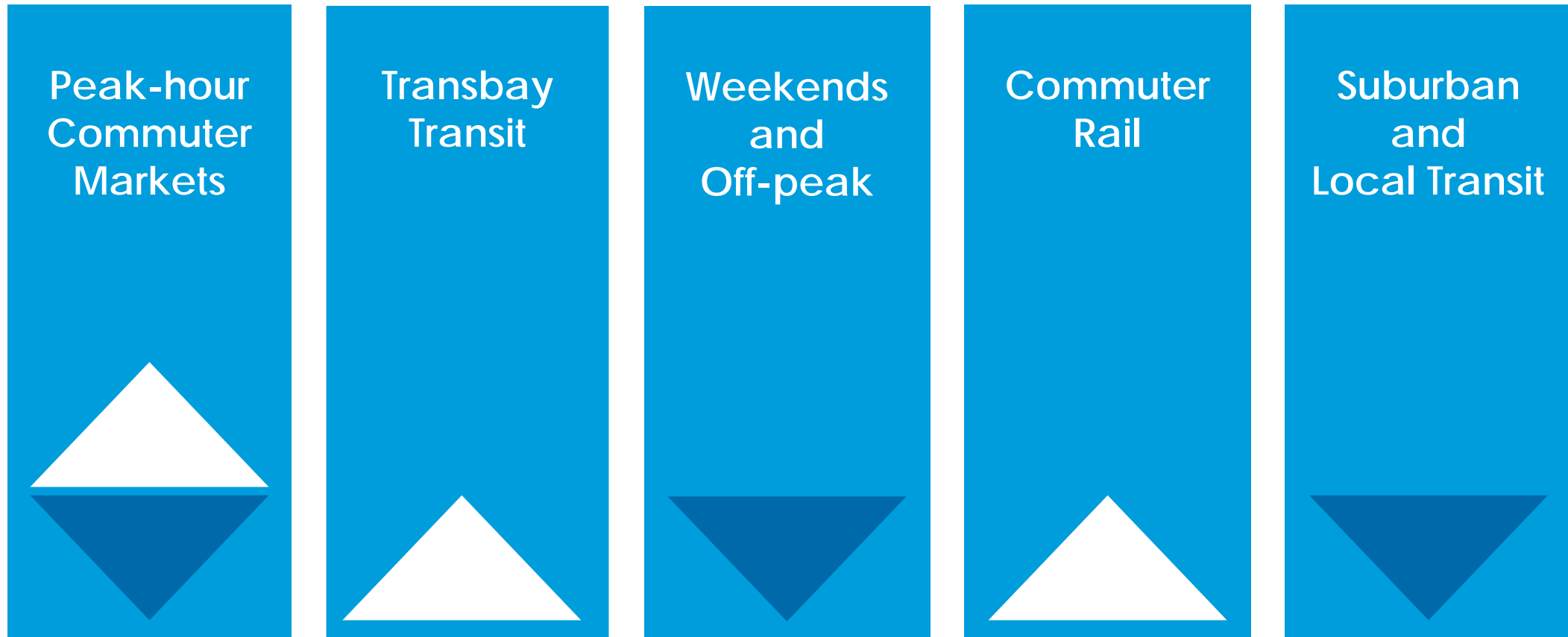
Commuters Moving Away From Cars



- Drive Alone
- Carpool
- Transit
- Walk and Bike
- Worked from Home

Sources: American Community Survey 1-year Estimate, 2010, 2017

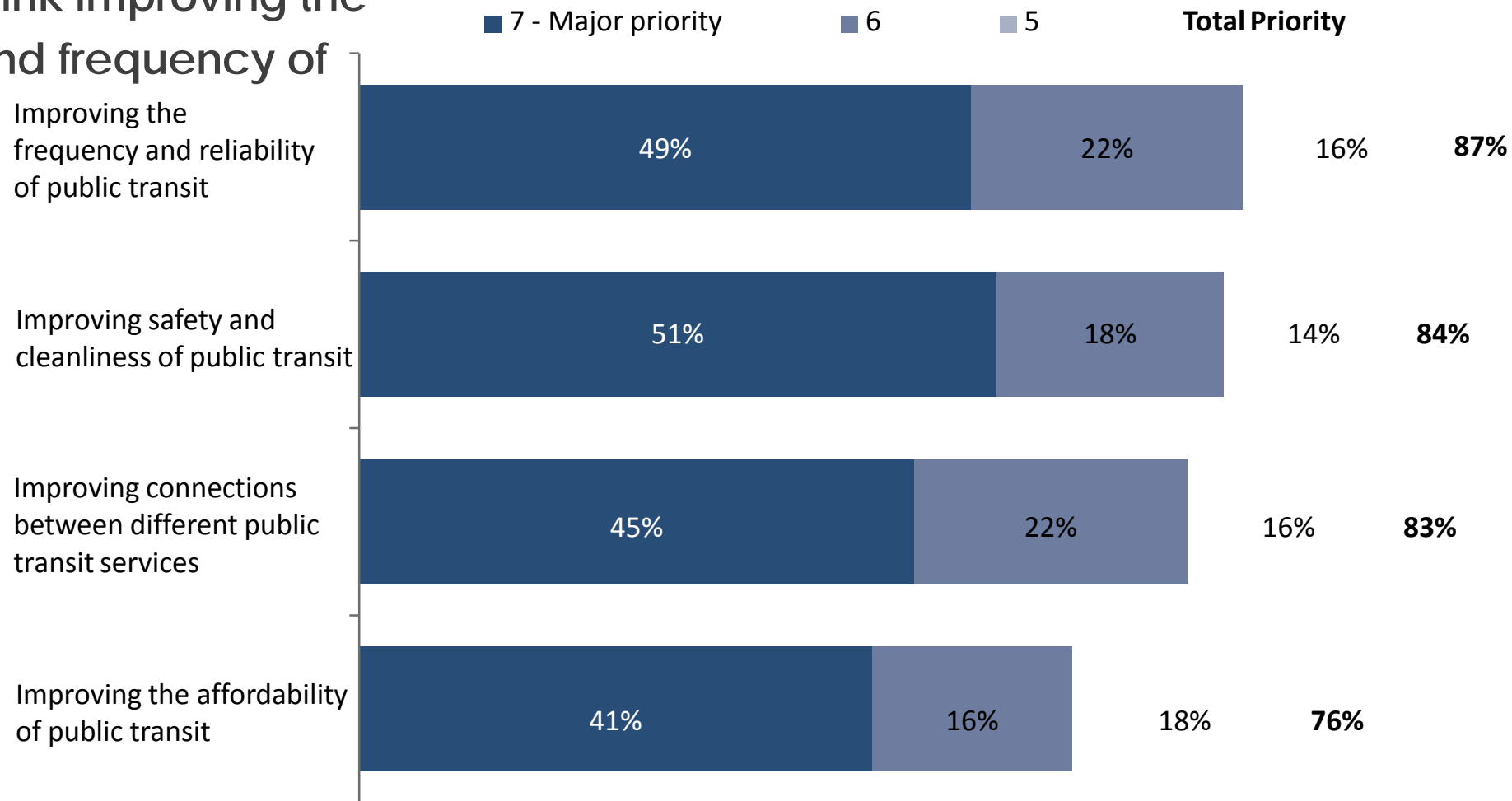
Transit Markets In Flux



Priority: Public Transit Service

Half of all residents think improving the safety, cleanliness, and frequency of public transit are major priorities.

Improving connections between transit services, and improving affordability are also a priority to at least three-quarters of residents.



Where We Are Today: Transit

Projects

- Advancing major transit infrastructure improvements: International/East 14th BRT, San Pablo Avenue and East 14th Avenue/Mission and Fremont Boulevards
- BART station modernization and infill stations
- Rail expansion in I-580 Corridor

Planning

- Adopted Alameda CTC Countywide Transit Plan in 2016
- Ongoing annual performance monitoring as part of CMP

Transit 2020 and Beyond

- 1) What role should Alameda CTC play in transit reliability and performance?
 - a) Transit interconnectivity?
 - b) Transit affordability?
- 2) What role should Alameda CTC play in serving interregional trips: ferry, passenger rail, express bus services?
 - a) Planning roles?
 - b) Project delivery roles?

ALAMEDA COUNTY TRANSPORTATION COMMISSION

Active Transportation & Trails



Three Major Trails



East Bay Greenway



Iron Horse Trail



Bay Trail Slough Bridge

Where We Are Today: Active Transportation and Trails

Projects

- East Bay Greenway Project sponsor
- Funding partner on Bay Trail and Iron Horse Trail
- Bike bridges and trail connections as part of Gilman and Ashby Interchanges

Planning

- Finalizing Alameda CTC Countywide Active Transportation Plan in 2019
- Defined High Injury Network in Alameda County
- On-going countywide bicycle count program as part of CMP
- Safe Routes to Schools Site Assessments and education
- Bike to Work Month and Golden Sneaker Contest

Active Transportation and Trails 2020 and Beyond

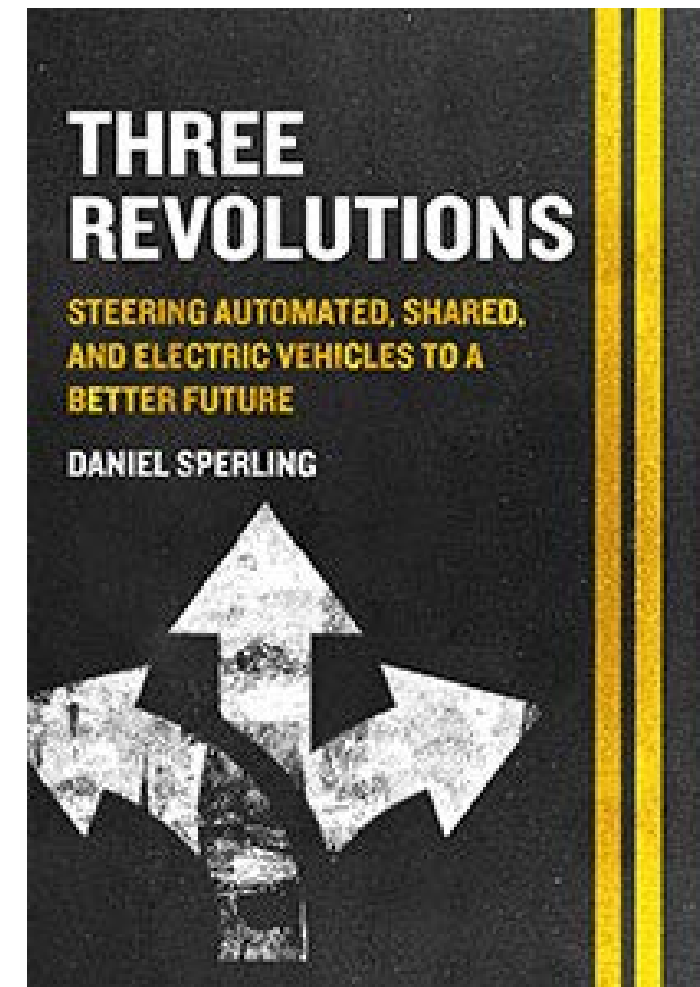
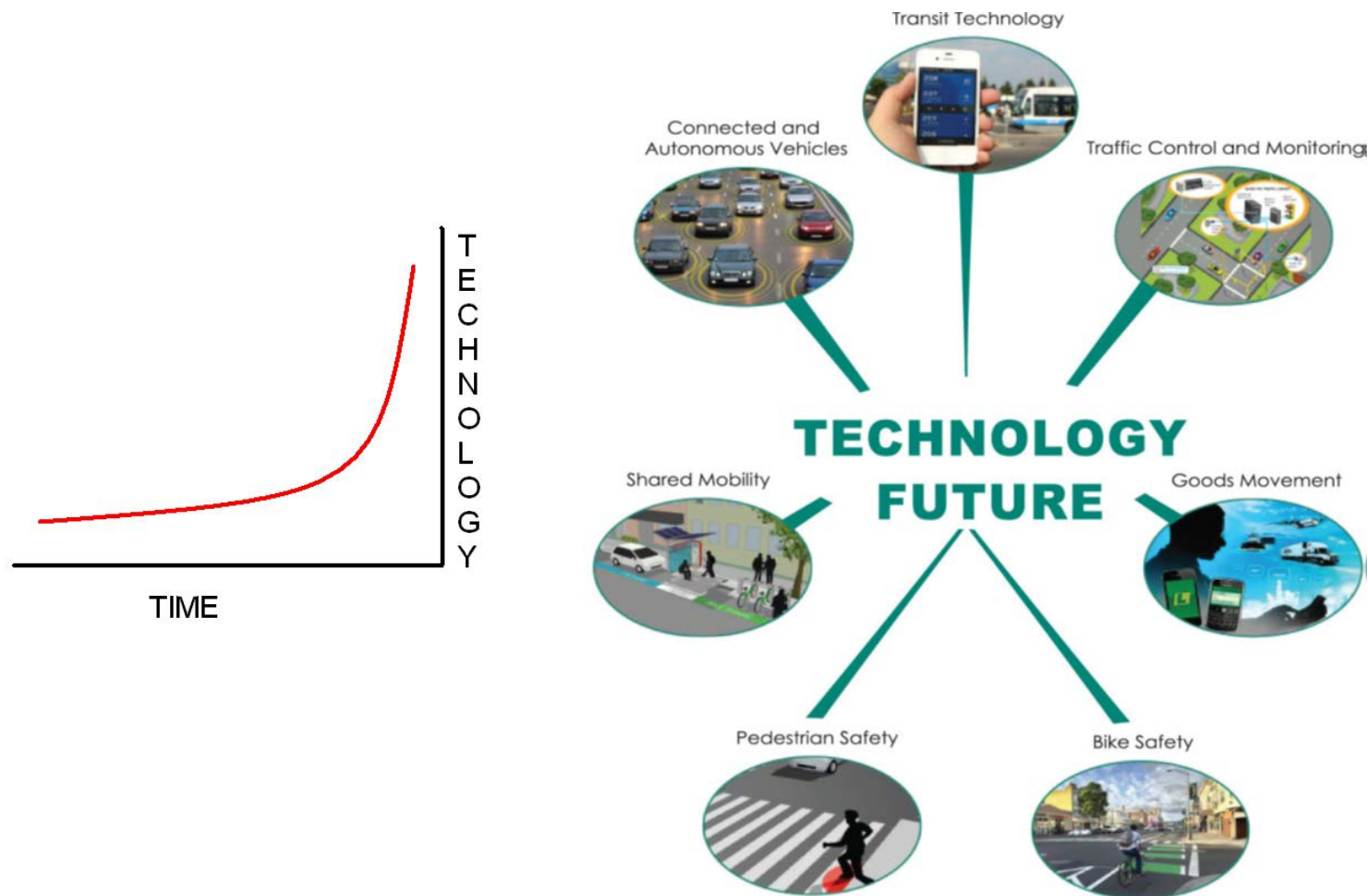
- 1) What role should Alameda CTC play to address the high injury network?
- 2) What other partners should be at the table to help deliver improved safety for people walking and biking?

ALAMEDA COUNTY TRANSPORTATION COMMISSION

Technology



Technology is Changing Rapidly



Where We Are Today: Technology

Projects

- Alameda CTC is an agency of firsts:
- First Express Lanes in Northern California
- I-80 Integrated Corridor Management
- East Bay BRT
- Freight ITS

Planning

- Developing Technology Framework
- Technology Working Group
- Funding for technology in 2014 TEP

Technology 2020 and Beyond

- 1) Alameda CTC has several roles to play in technology:
Facilitator, Implementer, Funding agency, Partner. Where do you think Alameda CTC can play the most effective role?
- 2) What policy areas are important for Alameda CTC to address as technology evolves?

ALAMEDA COUNTY TRANSPORTATION COMMISSION

Programs: ASTPP, SR2S and Paratransit



Affordable Student Transit Pass Program

- Improves access to school, after-school activities and jobs
- Increases the use of public transit by middle and high school students
- Reduces the financial burden of transportation costs on families
- Educates students about travel options and the effects of travel choices on the environment
- Reduces traffic congestion and greenhouse gas emissions from vehicles



Safe Routes to Schools

Over 200 Schools Enrolled Countywide

- A countywide program to promote and encourage safe walking, bicycling, carpooling and transit use to travel to school
- Launched in 2009 at two schools and has grown to over 200 schools
- In 2017, the Commission adopted a new framework to better focus on activities that ensure program balance, performance and sustainability



Paratransit Program

Funding and resources in Alameda County for seniors and people with disabilities

- Funds a wide variety of paratransit services for seniors and people with disabilities
- Helps seniors and people with disabilities navigate throughout Alameda County using the available transportation options
- Improves mobility and allows individuals to be more independent, healthy and social
- The Access Alameda guide and website offer resources for consumers and transportation providers



Alameda CTC Programs 2020 and Beyond

Alameda CTC plans, funds and delivers programs for seniors and youth. The growing senior population will demand different types of transportation as it ages. Youth programs are opportunities to expand safety, access and inspire active transportation and transit choices.

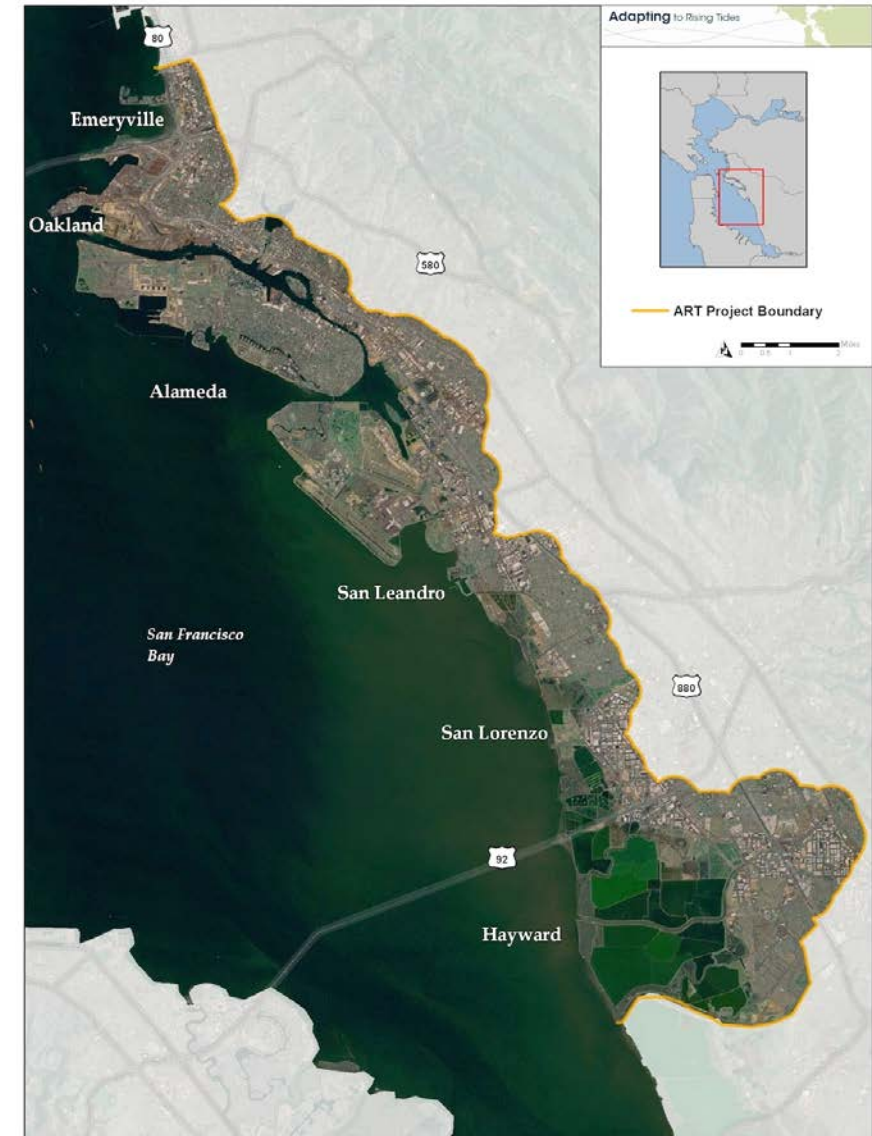
- 1) With an almost doubling of the senior population in the next decade, what are the top three areas Alameda CTC should consider focusing on?
- 2) Safe Routes to Schools includes infrastructure safety assessments. How should Alameda CTC consider addressing these local school safety projects and other high injury network safety projects?

ALAMEDA COUNTY TRANSPORTATION COMMISSION

Climate and Resiliency



Earthquakes, Fires and Tides



Climate and Resiliency 2020 and Beyond

- 1) Should Alameda CTC have a role in climate and resiliency planning and funding?
 - If so, what role?
- 2) What partnerships would be important?



For more information, visit

www.AlamedaCTC.org