



CONNECT NORTHERN CALIFORNIA

# City of Alameda Transportation Committee

March 22, 2023



March 2023

DRAFT-DELIBERATIVE



# LINK21 PROGRAM OVERVIEW





# Northern California's Megaregion Today

## Economy, Jobs & Housing:

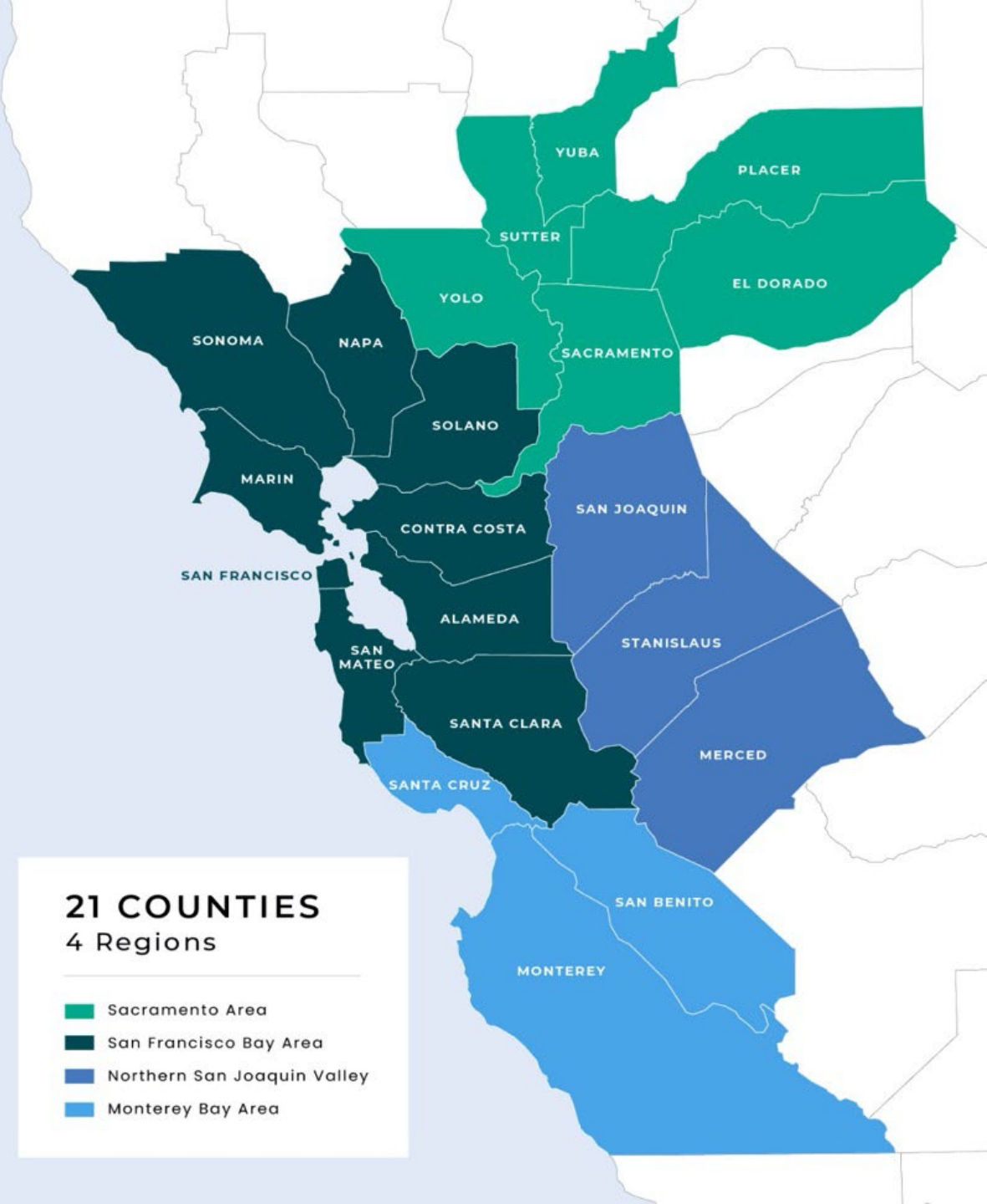
- Fifth largest megaregional economy in country
- Jobs and affordable housing imbalance

## Roadway Congestion & Climate Risks:

- Persistent traffic
- Climate - and health-damaging air pollution

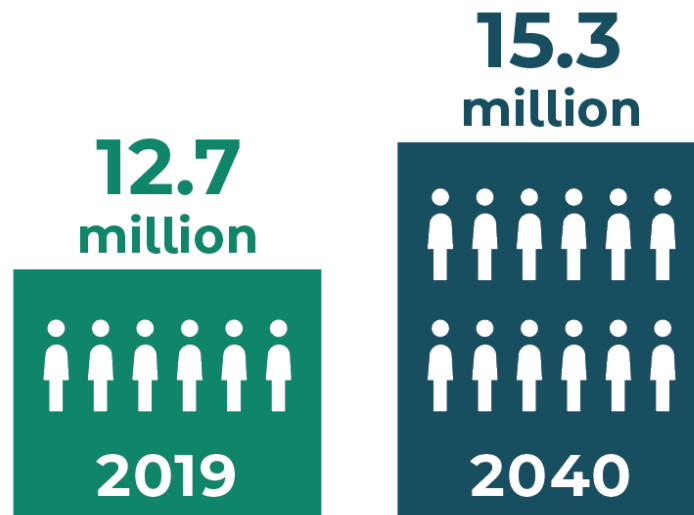
## Passenger Rail Service & Infrastructure:

- Inconvenient, disconnected train network with limited routes and service
- One rail crossing of Bay (BART Transbay Tube)



# Projected Growth from 2015 to 2040

**20%** ↑  
In population



**26%** ↑  
In daily trips within  
San Francisco Bay Area  
(estimated 28 million)\*



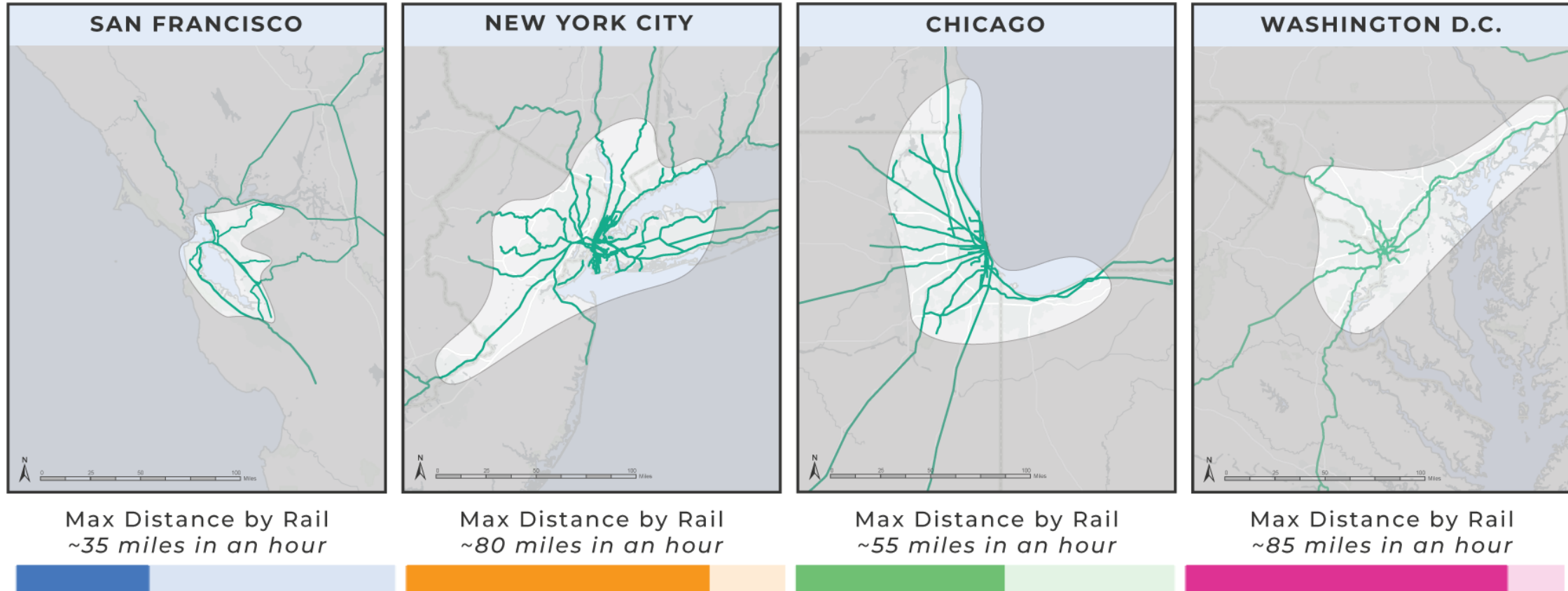
**64%** ↑  
In daily trips between  
Bay Area and other counties  
(estimated 800,000)\*



\* Projected increase from 2015 to 2040



# One Hour Commute Sheds by Megaregion

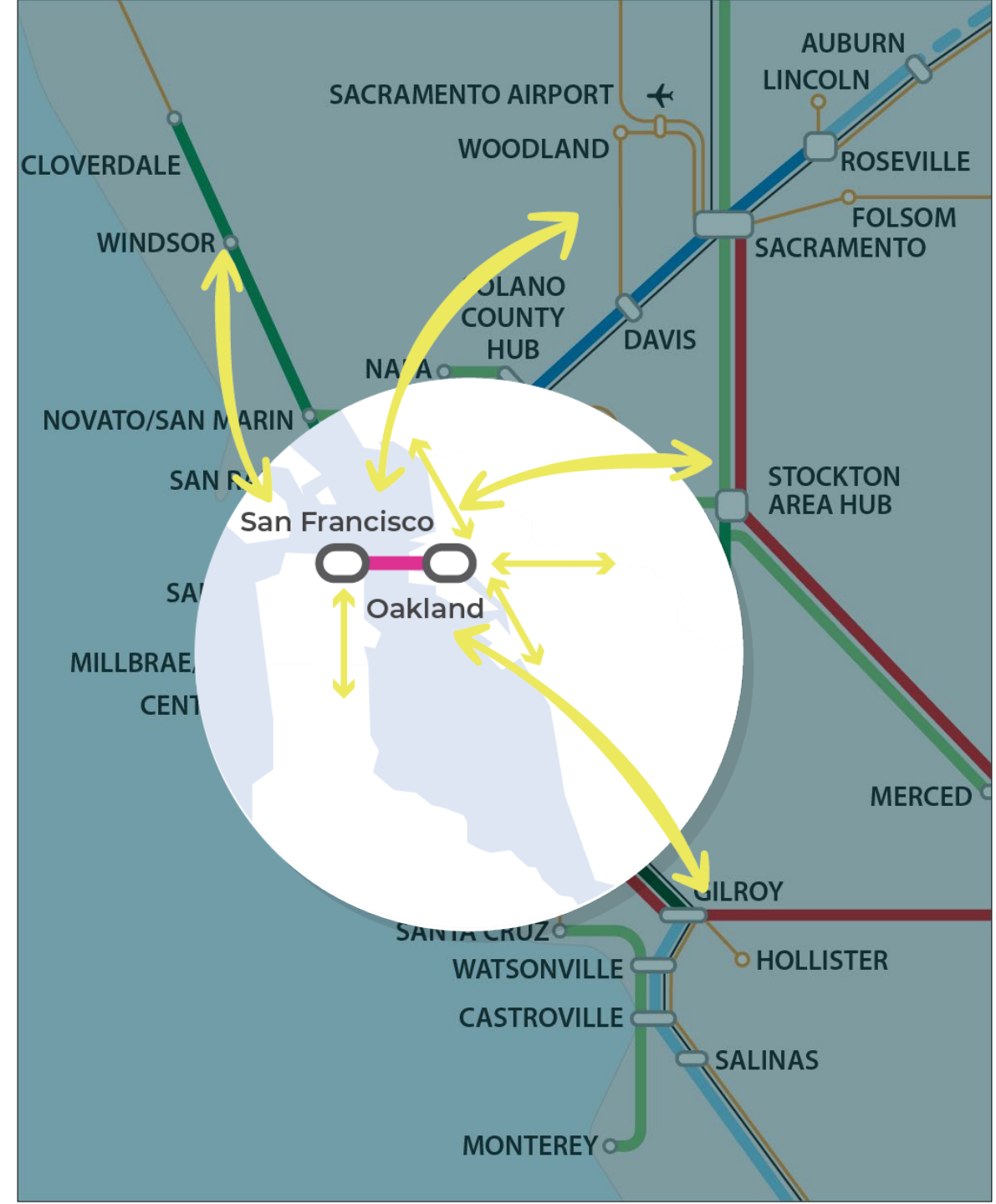


# Link21: A Program of Projects

A new transbay passenger rail crossing  
between Oakland and San Francisco (BART or Regional Rail)

Improvements to both BART & Regional Rail  
better travel time, frequency, hours of service, new markets

Synergies between projects in Megaregion  
reduce perceived distance between destinations



# Link 21 Goals & Objectives

## TRANSFORM THE PASSENGER EXPERIENCE

- Provide better service
- Improve reliability and system performance
- Build ridership and mode share



## PROMOTE EQUITY AND LIVABILITY

- Connect people and places
- Improve safety, health, and air quality
- Advance equity and community stability



## SUPPORT ECONOMIC OPPORTUNITY AND GLOBAL COMPETITIVENESS

- Improve access to opportunity and employment
- Connect major economic, research, and education centers
- Enable transit-supportive and equitable land use



## ADVANCE ENVIRONMENTAL STEWARDSHIP AND PROTECTION

- Increase climate change resilience
- Reduce greenhouse gas emissions
- Conserve resources



# Equity at Link21 Core

## 1. Equitable Engagement, Analysis, and Planning

- Direct and accessible engagement

## 2. Community-Based Partnerships & Co-Creation

- Prioritizing communities that have been marginalized
- Partnering to understand needs and identify opportunities

## 3. Equity Advisory Council (EAC)

- 18 Members from the Megaregion
- Two representatives from Alameda
- Launched in February 2022



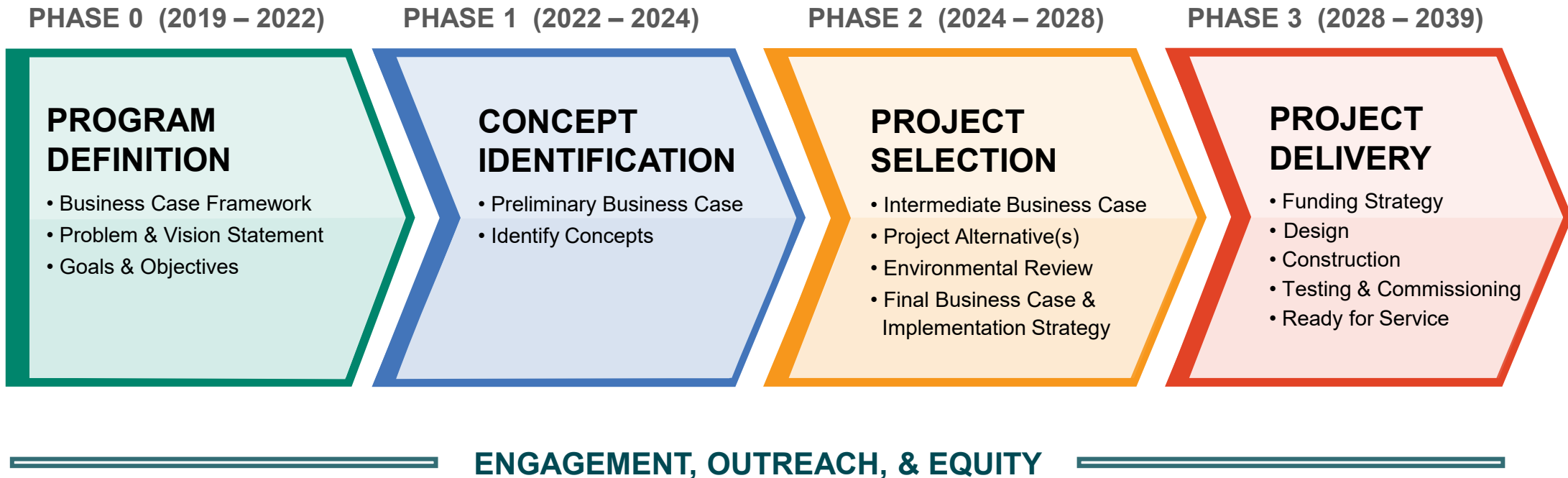
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# Link21 Program Timeline





# LINK21 ENGAGEMENT & OUTREACH





# Multi-Faceted Engagement



## Communication Tactics

- Informational/Education Materials
- Interactive Website
- Social Media/Media Relations
- Electronic Notifications



## Engagement Tactics

- Stakeholder Partnerships
- Briefings/Presentations/Community Tabling Events
- In-person and Virtual Public Meetings/Workshops
- Survey/Polling



- BART / CCJPA
- Transportation Commissions
- Federal, State, and Local Representatives

- Link21 Working Groups
- Industry Organizations and Advocates
- Workforce Development

- Disadvantaged Communities
- Priority Populations

- Community-Based, Non-Governmental, and Business Organizations
- Environmental Justice Advocates



# What We've Heard From Alamedans



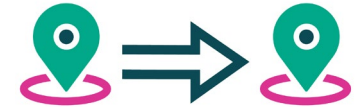
## ***“Strong desire for Station in Alameda”***

- Webster / Atlantic bus stop (busiest City stop)
- Seaplane Lagoon Ferry Terminal (also serves AC Transit)
- College of Alameda
- High-density residential in West Alameda / Southern Alameda Point



## ***“Improved Connection to Megaregion”***

- Walkability and access to BART
- Better Regional Rail connections
- Interest in more integrated network



## ***“Connect Alameda to East Bay”***

- Improved travel options between Alameda and Oakland or areas within East Bay



An aerial photograph of a multi-lane highway with a train on an elevated track. The train is white with the number 1215 on its side. The highway has several lanes with cars in various colors. There are trees and greenery along the sides of the road. A semi-transparent white banner is overlaid across the middle of the image, containing the text 'CONCEPT DEVELOPMENT & ANALYSIS'.

# CONCEPT DEVELOPMENT & ANALYSIS



# Business Case Framework



## STRATEGIC CASE

### What are the Megaregion benefits?

- Passenger Experience
- Community, Livability, and Equity
- Economic Growth and Competitiveness
- Environmental Stewardship



## ECONOMIC CASE

### What are the economic costs and benefits?

- Benefit/Cost Analysis
- Business and Employment
- Jobs and Housing



## FINANCIAL CASE

### What is the financial viability?

- Revenue Generation
- Funding Opportunities
- Financing Options



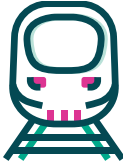


## DELIVERABILITY & OPERATIONS CASE

### What is required to deliver and operate the project?

- Governance
- Project Risks
- Construction and Operations
- Network Functionality



# Link21: Modern Trains and Service

	BART	MODERN REGIONAL RAIL URBAN METRO SERVICE EXAMPLE: CALTRAIN EMU	MODERN REGIONAL RAIL LONG DISTANCE SERVICE
			
<b>FREQUENCY</b>	More frequent trains Every 2-30 minutes (varies by route/time of day)	Similar to BART	Less frequent trains Every 30 minutes (varies by route/time of day)
<b>STOPS</b>	1-5 miles apart	Similar to BART	5+ miles apart (express service)
<b>TRACK</b>	Designated BART only	Shared with national network	Shared with national network
<b>SERVICE AREA</b>	Urban/Suburban Areas Within 5-County BART District	Urban/Metro areas	Urban/Suburban Centers Across 21-County Megaregion

**NEW TRAIN TECHNOLOGY** that is greener, lighter, and faster



# Link21 Unlocks Travel Potential

## Markets

- Better Megaregional connectivity

## Service

- Improved travel, frequency with some one-seat rides, and faster transfer opportunities
- More capacity, service redundancy and reliability, between BART and Regional Rail

## Technology

- Greener, lighter, and faster trains

## Infrastructure

- Enhanced tracks, signaling, structures, and facilities





# Initial Concepts A & B: Regional Rail in Crossing

Regional Rail Salesforce Transit Center via Alameda

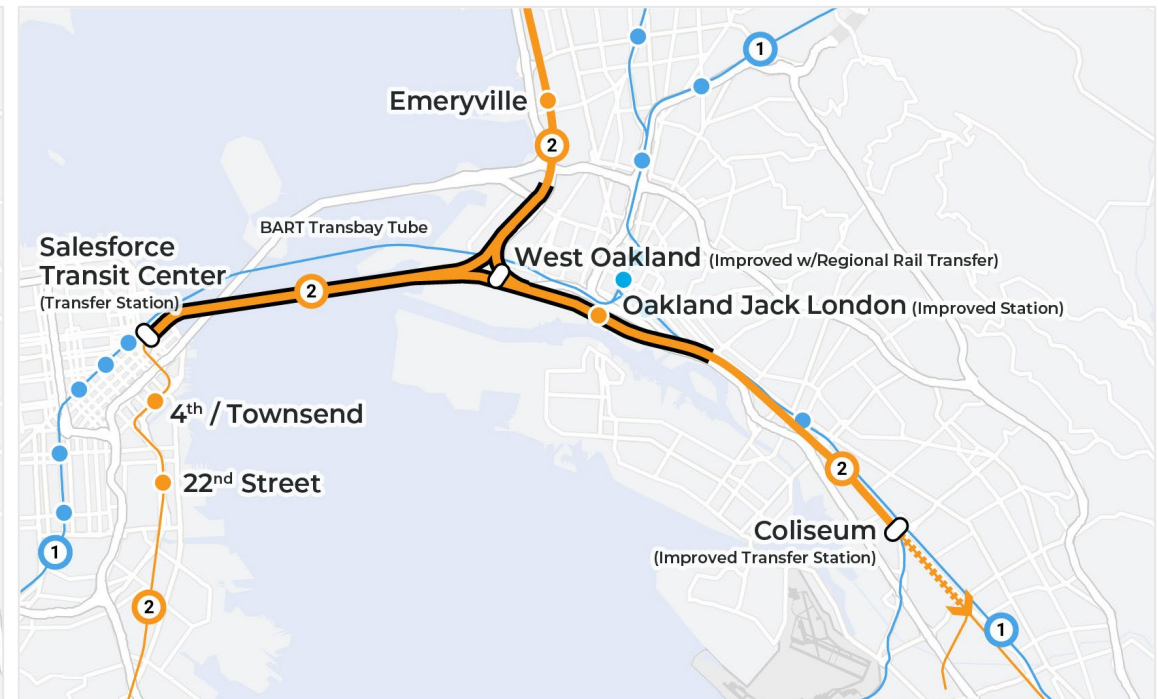


- 2 Regional Rail Concept
- 2 Regional Rail Concept (Tracks Underground)
- 2 Regional Rail Concept (Possible Improvements)

## Stations

- 1 BART
- 2 Regional Rail
- Transfer

Regional Rail Salesforce Transit Center via Port



- 1 BART Concept
- 1 BART Rail Concept (Tracks Underground)
- 1 BART Rail Concept (Possible Extension)

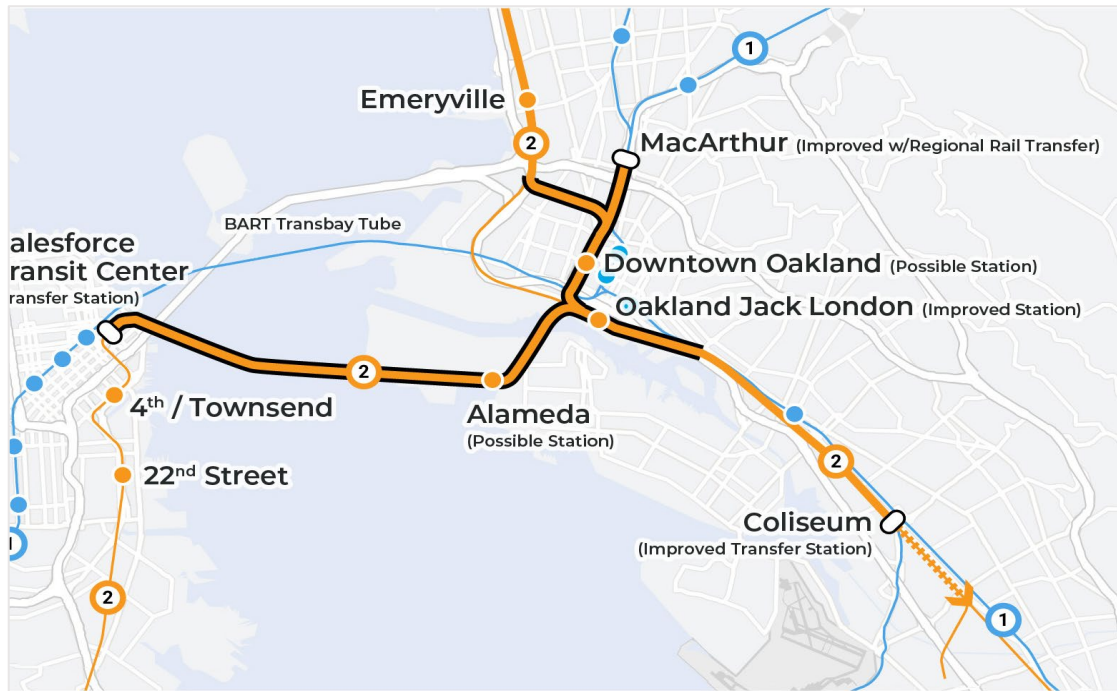
## Existing and Planned

- 1 BART
- 2 Regional Rail



# Initial Concepts C & D: Regional Rail in Crossing

Regional Rail Salesforce Transit Center to  
MacArthur via Alameda

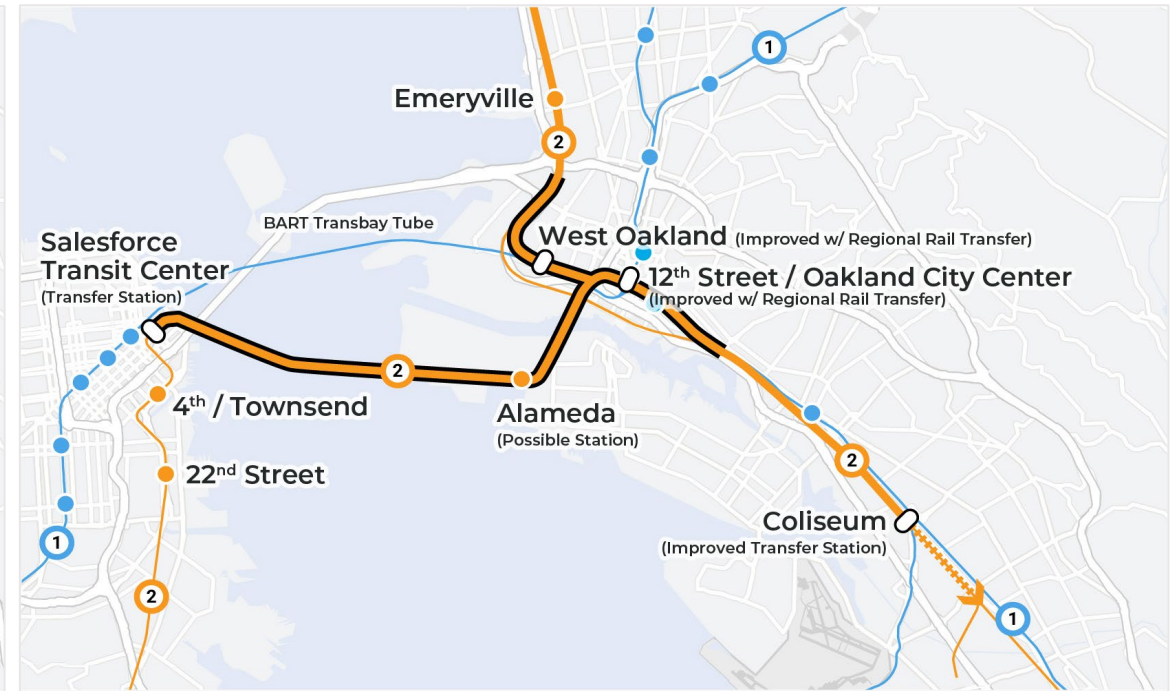


- 2 Regional Rail Concept
- 2 Regional Rail Concept (Tracks Underground)
- 2 Regional Rail Concept (Possible Improvements)

#### Stations

- BART
- Regional Rail
- Transfer

Regional Rail Salesforce Transit Center to  
Oakland City Center via Alameda



- 1 BART Concept
- 1 BART Rail Concept (Tracks Underground)
- 1 BART Rail Concept (Possible Extension)

#### Existing and Planned

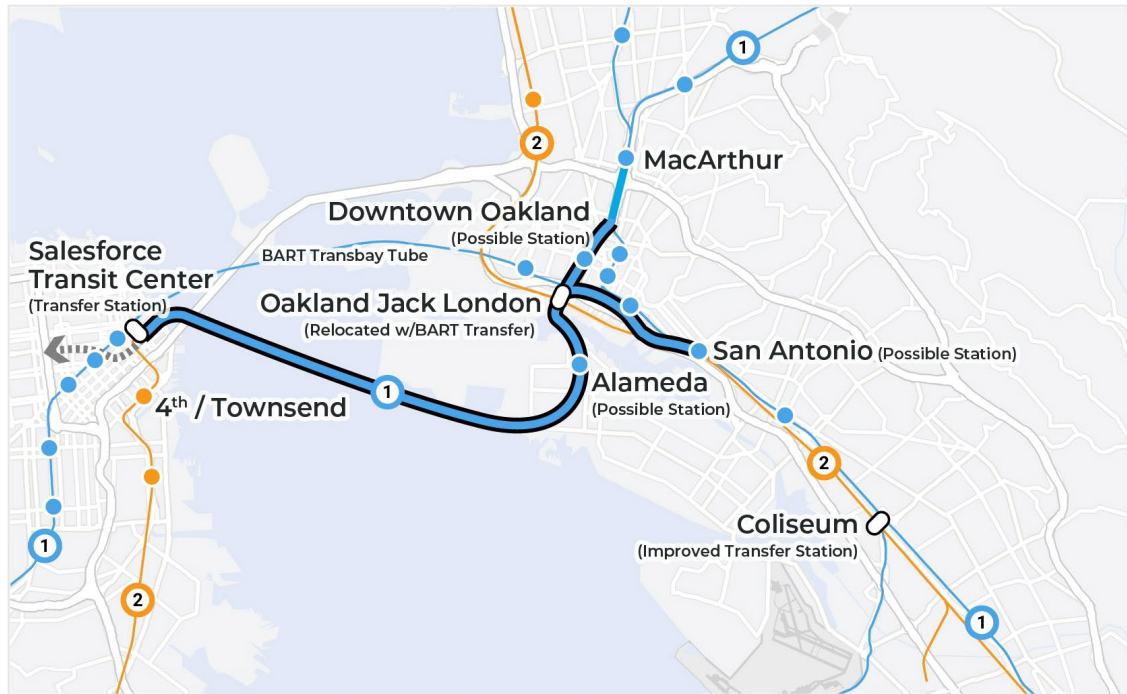
- 1 BART
- 2 Regional Rail





# Initial Concepts E&F: BART in Crossing

BART 1<sup>st</sup> & Howard via Alameda

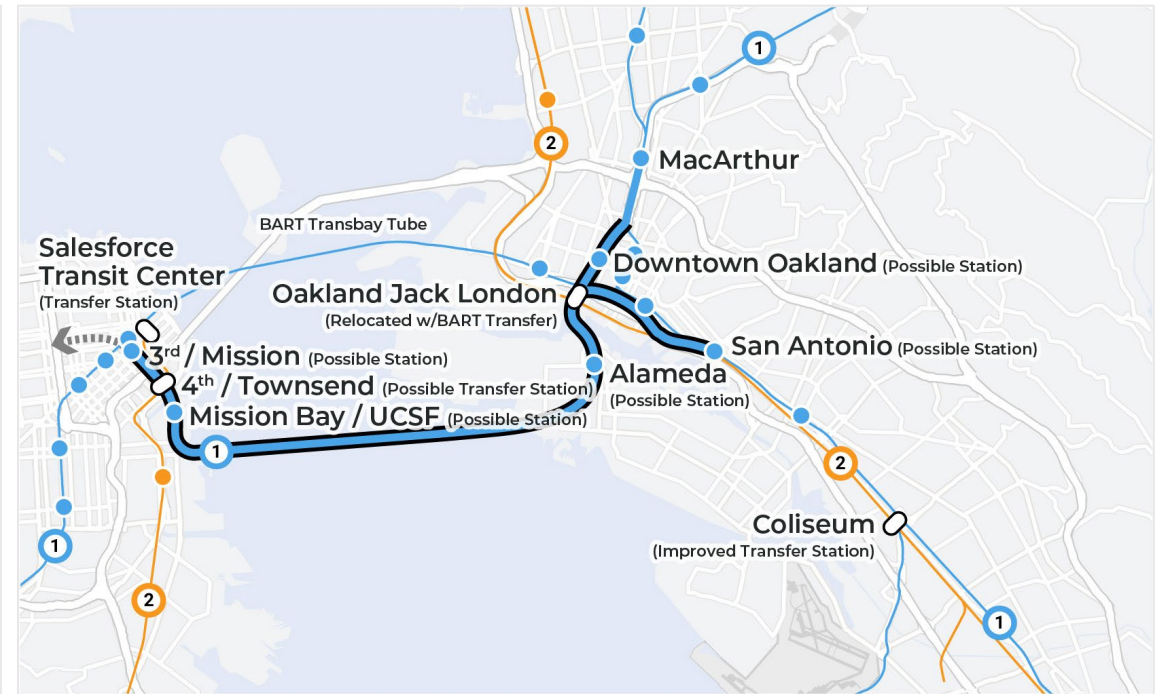


- Regional Rail Concept
- Regional Rail Concept (Tracks Underground)
- Regional Rail Concept (Possible Improvements)

## Stations

- BART
- Regional Rail
- Transfer

BART 3<sup>rd</sup> & Mission via Mission Bay and Alameda



- BART Concept
- BART Rail Concept (Tracks Underground)
- BART Rail Concept (Possible Extension)

## Existing and Planned

- BART
- Regional Rail



# Next Steps for Link21

## Ongoing Activities

- Collaboration with City and Agency
- Megaregional Stakeholder Engagement
- Identification of Phase 2 funding
- Concept Refinement

## Program Milestone Activities

- **Summer & Fall 2023:**  
Megaregional Outreach Events
- **Spring 2023:**  
Concept Identification



March 2023

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# Thank you!

For more information visit  
[Link21Program.org](https://Link21Program.org)

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