

# LINK21

CONNECT NORTHERN CALIFORNIA

## Jack London Improvement District: Mega Infrastructure Projects Open House

October 2, 2023

5:30 – 7:30 pm



# Agenda & Outcomes

## Agenda

- **Presentations (30 minutes):**
  - Link21 Program
  - Oakland Alameda Access Project
  - Oakland-Alameda Estuary Bridge
- **Open House/Q&A (1 hour):**
  - Discuss project specifics directly with project representatives

## Outcomes

- Attendees learn more about the mega infrastructure projects in and around the Jack London Square area.
- Project leads hear from participants about their transportation needs, concerns and desires for their community.
- Attendees learn how they can become involved with the mega infrastructure projects and stay involved through the outreach process.

# Meet Our Speakers



**Darin Ranelletti**

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Link21 Land Use  
Planning Manager,  
BART



**Camille Tsao**

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Link21 Program Lead,  
Capitol Corridor



**Brian Soland**

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Link21 Planning &  
Engineering  
Manager, BART



**Nicole Franklin**

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Link21 Engagement  
& Outreach  
Manager, BART



# What is Link21?



# Why Link21

## Economy, Jobs & Housing:

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

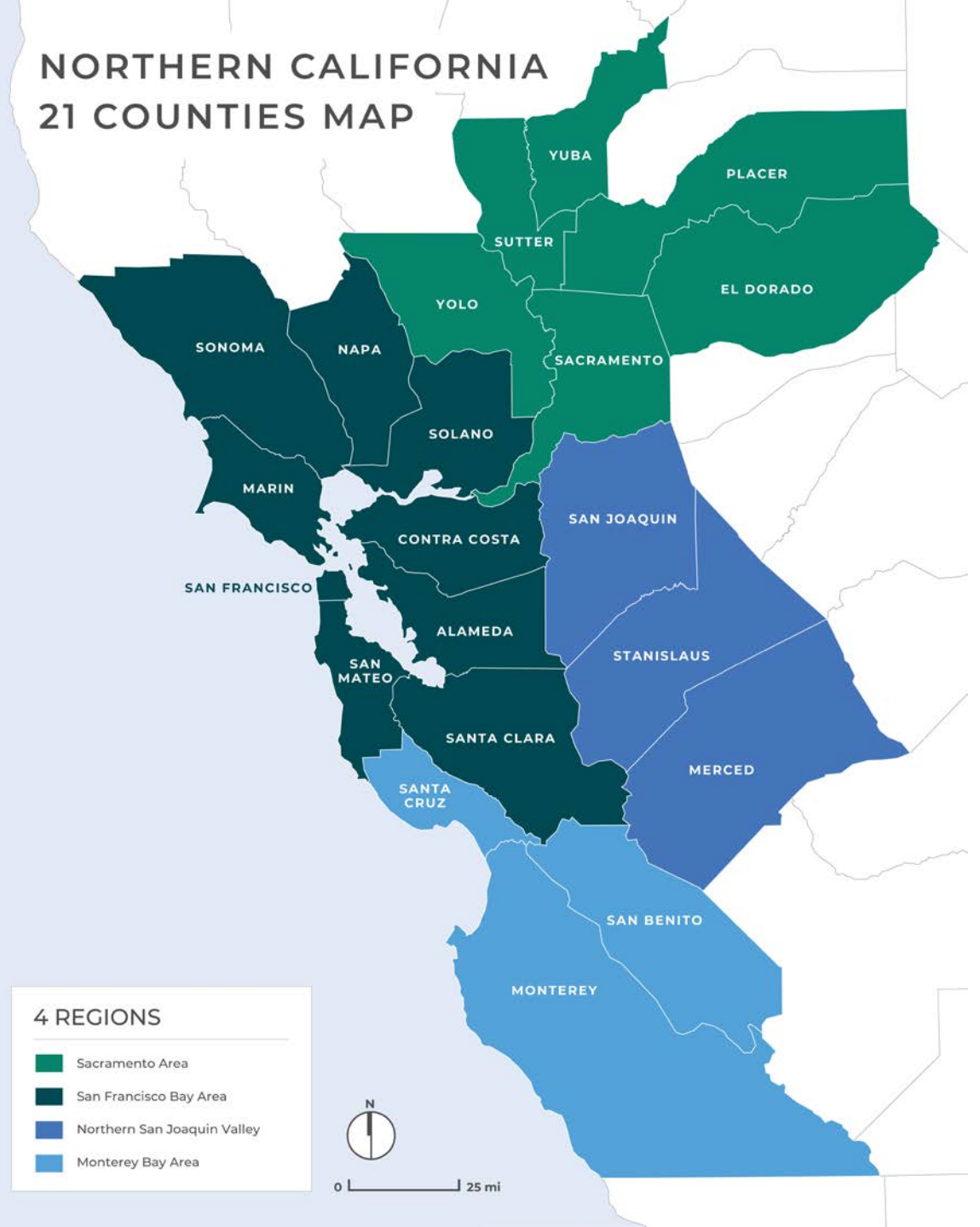
## Roadway Congestion & Climate Risks:

- Persistent traffic — back to pre-pandemic numbers
- Climate- and health-damaging air pollution

## Passenger Service & Infrastructure:

- Inconvenient, disconnected train network with limited routes and service
- One transbay rail crossing — limits service reliability and redundancy
- Current network does not reach enough transit dependent populations

## NORTHERN CALIFORNIA 21 COUNTIES MAP



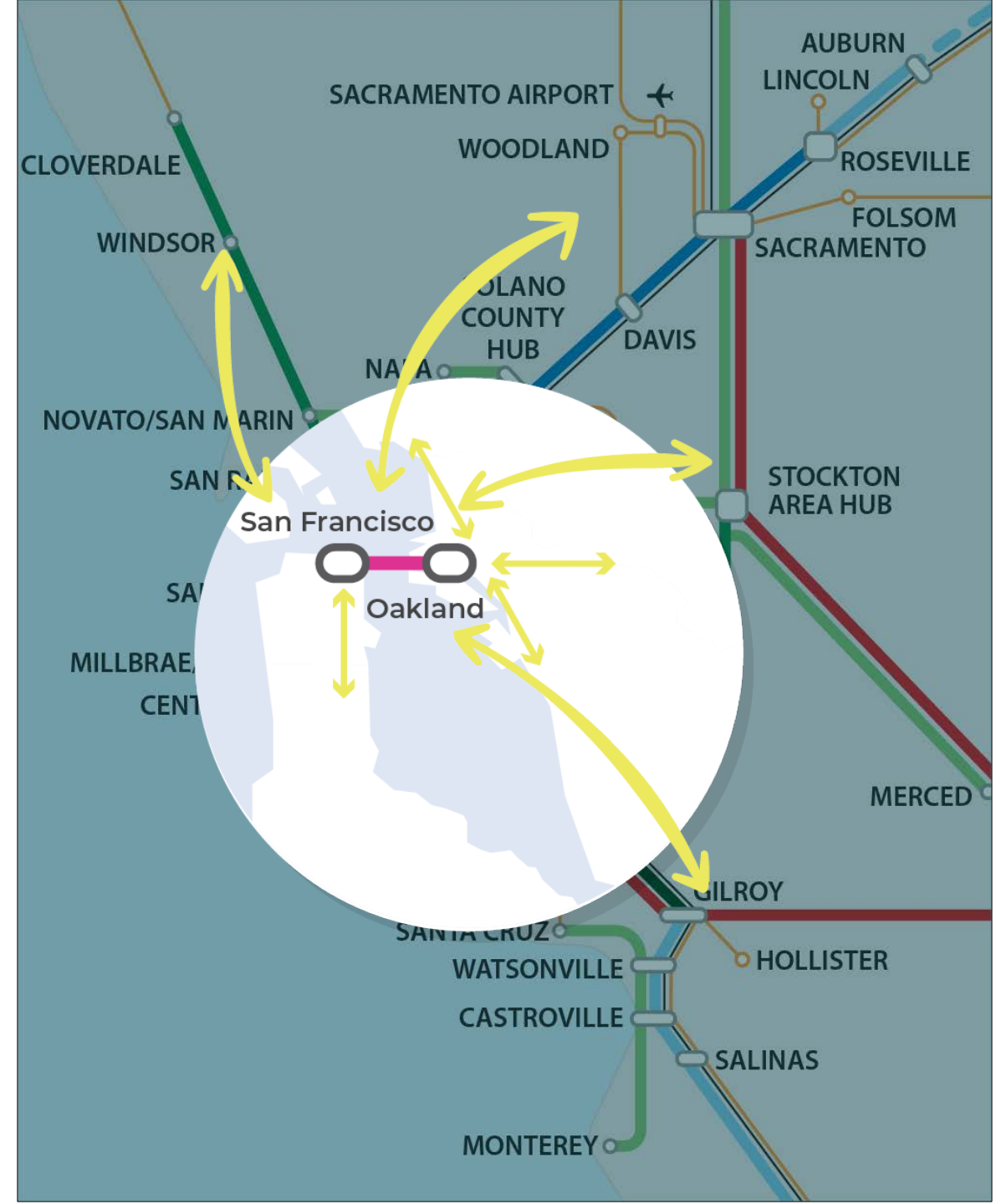


# Link21 Program of Projects

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

Provide service redundancy and reliability  
creating an integrated rail network with improved travel options



# Benefits Beyond Link21 Crossing

## Connected Markets:

- Create opportunity to connect communities in the Megaregion

## Improved Service:

- Increase frequency and more one-seat rides
- Enhance access and create faster transfers between BART and Regional Rail networks

## Enhanced Train Technology

- Greener, lighter, and faster trains
- Track, speed, and vehicle type

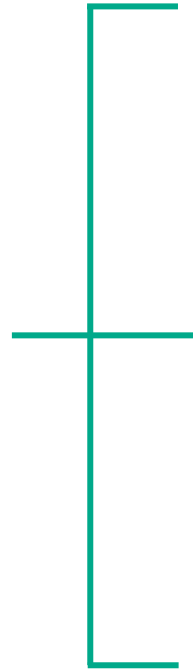
## Improved Infrastructure

- Tracks, structures, signaling, and facilities



# Link21 Program Goals

**Transform  
the Passenger  
Experience**



**Promote Equity and Livability**



**Support Economic Opportunity  
and Global Competitiveness**



**Advance Environmental  
Stewardship and Protection**

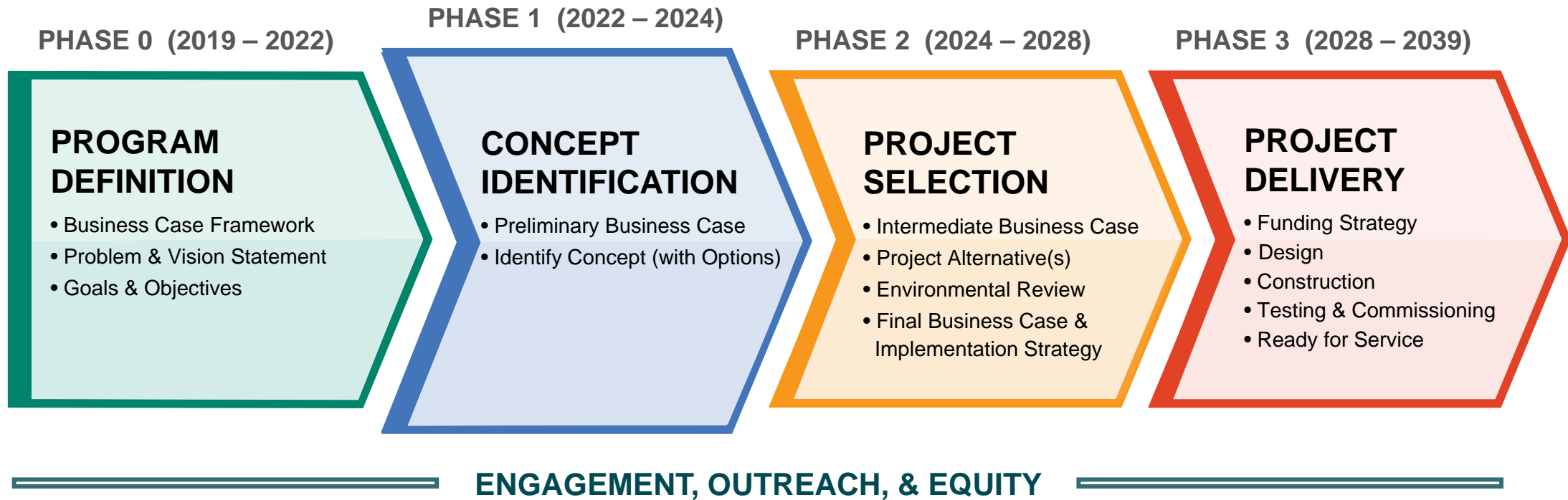


# Link21 Commitment to Equity

- Prioritize engaging communities that have been systemically marginalized
- Benefit those who need it most:
  - Transit dependent riders
  - Those harmed by past transportation projects
  - Those with limited access to important resources like housing or job opportunities
- Partner every step to avoid harms & create needed benefits



# Planning Phases & Timeline



# Link21 Service Planning

Improvements to service and passenger experience is a foundational goal



**Routes and Stops**



**Train Technology**



**Train Schedule**

(hours and days)



**Track Type**

(shared or designated tracks, standard track gauge or broad track gauge)



**Train Frequency**



**Service Reliability**



**Speed and Travel Time**



# Link21 Supports Two Service Types

## Meeting Different Travel Needs

### Urban | Metro



Operates within metro regions at higher frequencies and medium average speeds

BART provides this service today and Caltrain to provide with modern electrified trains in 2024

- **More frequent trains** (every 2-10 minutes)
- **More stops/shorter distances** between stations (1-5 miles apart)
- **Medium average speeds**

# Link21 Supports Two Service Types

## Meeting Different Travel Needs

### Intercity | Express



Medium to long trips connecting regions and rural communities

Capitol Corridor, Amtrak, San Joaquins, Altamont Corridor Express and others provide this service on shared tracks owned by private freight rail



- **Less frequent trains** (every 30 minutes-1 hour+)
- **Fewer stops/longer distances** between stations (5+ miles apart)
- **Higher average speeds,** faster travel times

# Example Trains & Service



Conventional BART trains run on **Broad-Gauge tracks** and provide high-capacity **Urban | Metro service**



Caltrain electrified trains run on **Standard-Gauge tracks** and can provide high-capacity **Urban | Metro and express service**



eBART trains run on **Standard-Gauge tracks** and provide lower capacity but frequent **Urban | Metro service**



Capitol Corridor runs on **Standard-Gauge tracks** and will operate modern zero-emission trains by 2035, providing high-capacity **Intercity | Express service**



# Regional Rail in Crossing: Urban | Metro Service

BART

Caltrain (Electrified)

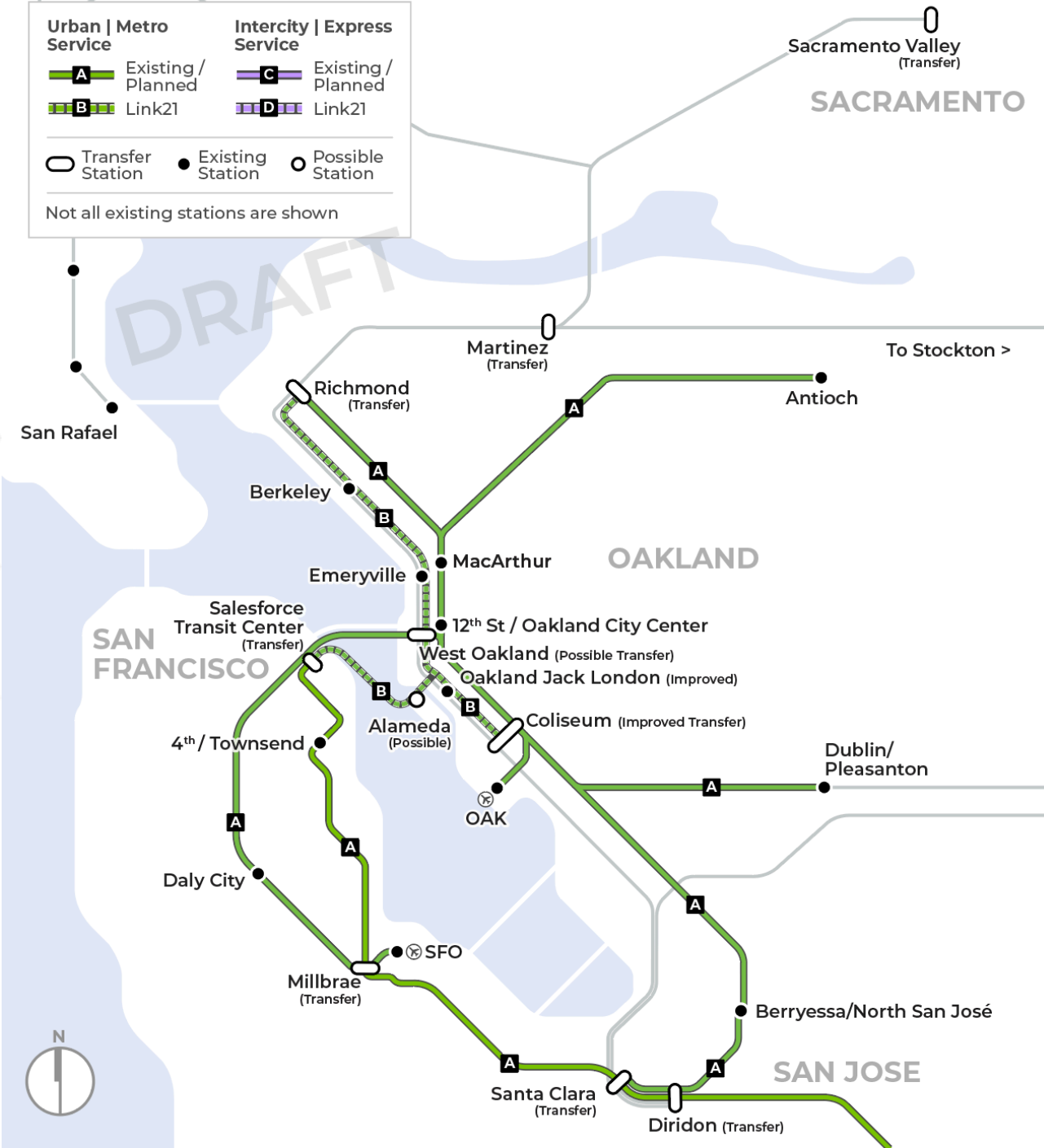
Link21 Service

Urban   Metro Service		Intercity   Express Service	
	Existing / Planned		Existing / Planned
	Link21		Link21

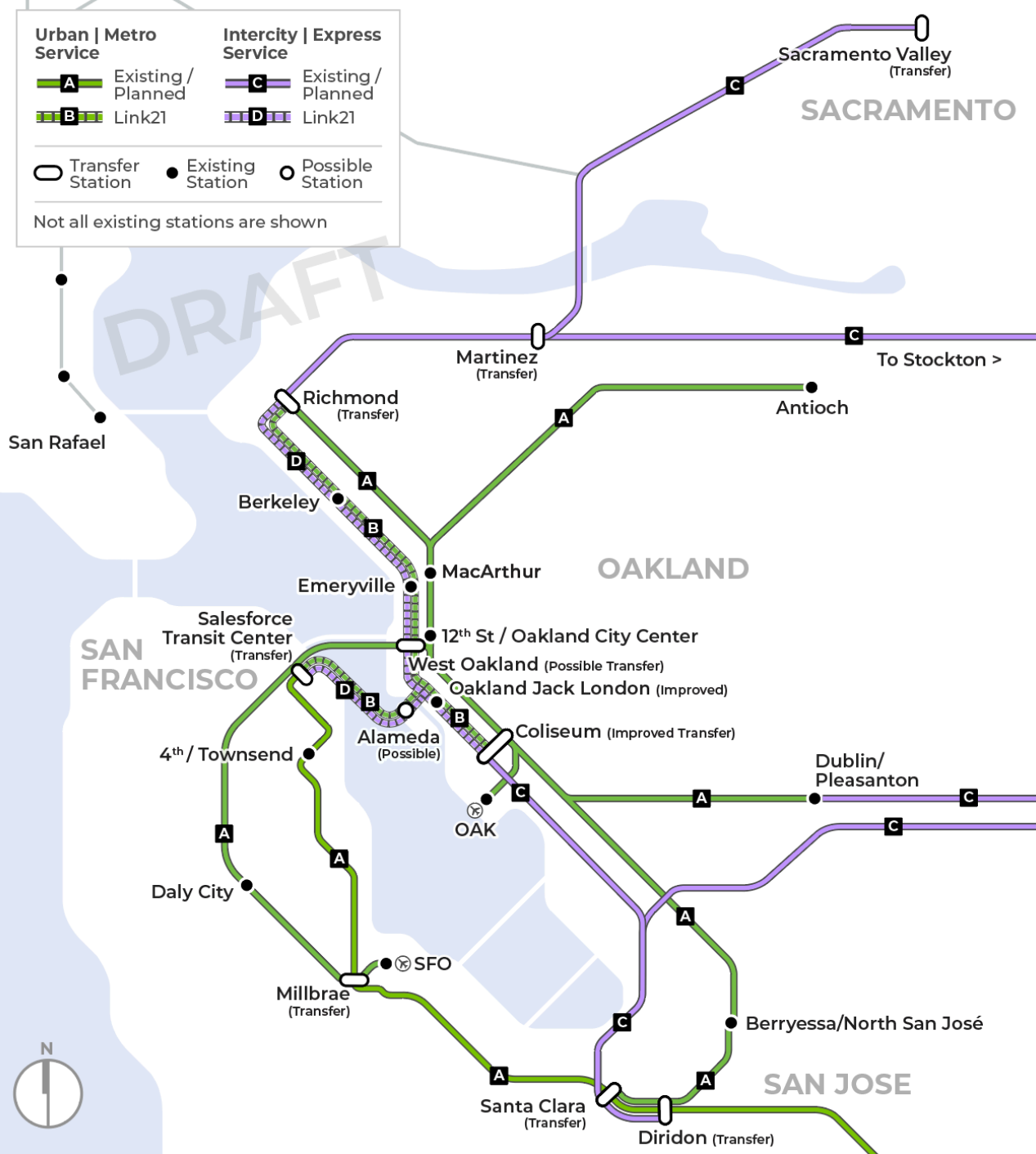
	Transfer Station		Existing Station		Possible Station
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Not all existing stations are shown



# Regional Rail in Crossing: Intercity | Express Service and Urban | Metro Service

- Capitol Corridor
- San Joaquins
- Valley Link
- Altamont Corridor Express (ACE)
- Link21 Service



# BART in Crossing: Urban | Metro Service

BART

Caltrain (Electrified)

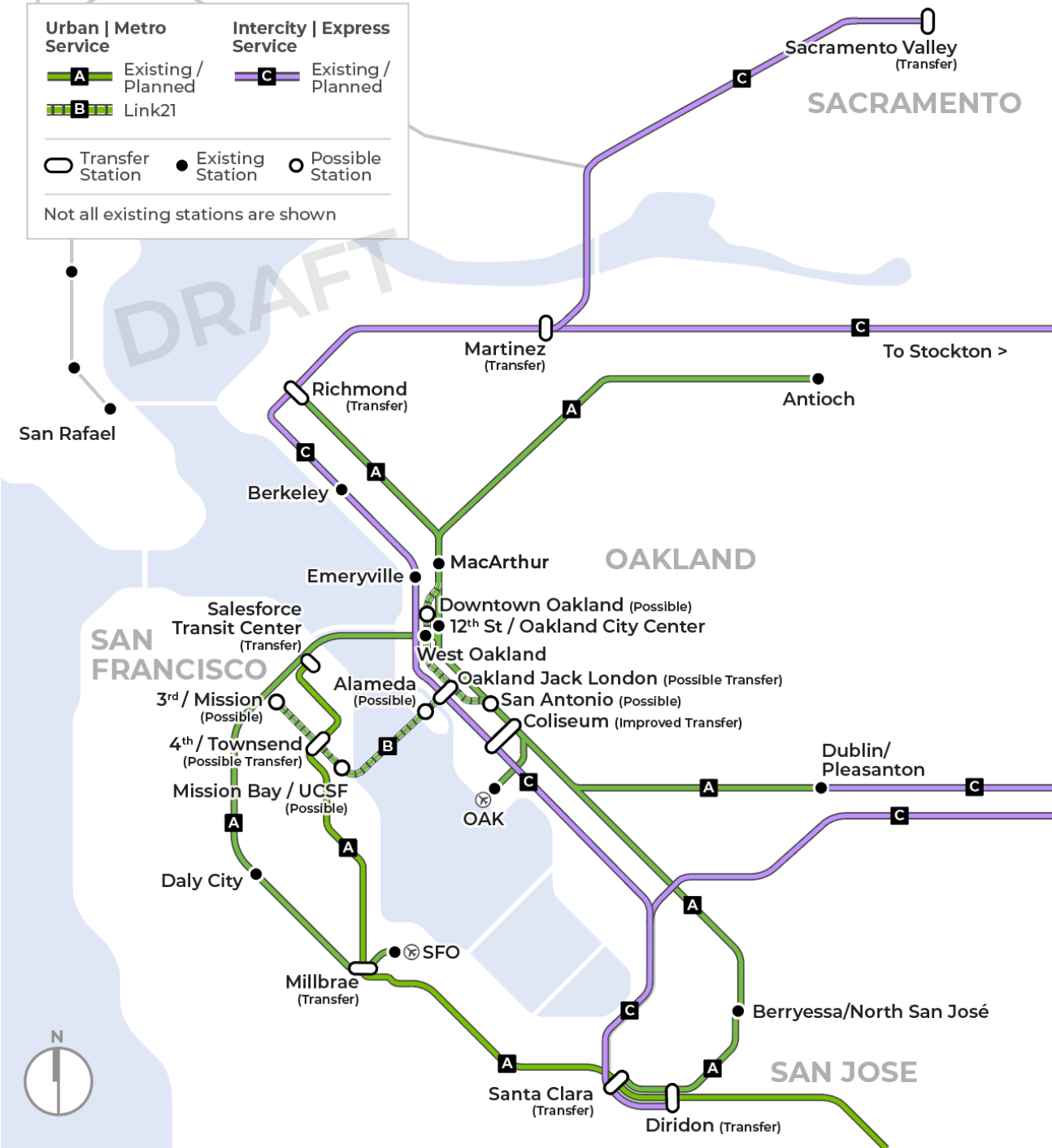
Link21 Service

Urban   Metro Service		Intercity   Express Service	
<b>A</b>	Existing / Planned	<b>C</b>	Existing / Planned
<b>B</b>	Link21		

	Transfer Station		Existing Station		Possible Station
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Not all existing stations are shown





# What concepts are being explored?



# Initial BART: Concepts C & D

**Concept C:** Downtown San Francisco via Alameda

**Concept D:** Downtown San Francisco via Mission Bay and Alameda



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

- Stations**
- Existing BART Rail
  - Possible BART Rail
  - Existing Regional Rail
  - Possible Regional Rail
  - Transfer

- Existing and Planned**
- 1 BART Rail
  - 2 Regional Rail

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

- Stations**
- Existing BART Rail
  - Possible BART Rail
  - Existing Regional Rail
  - Possible Regional Rail
  - Transfer

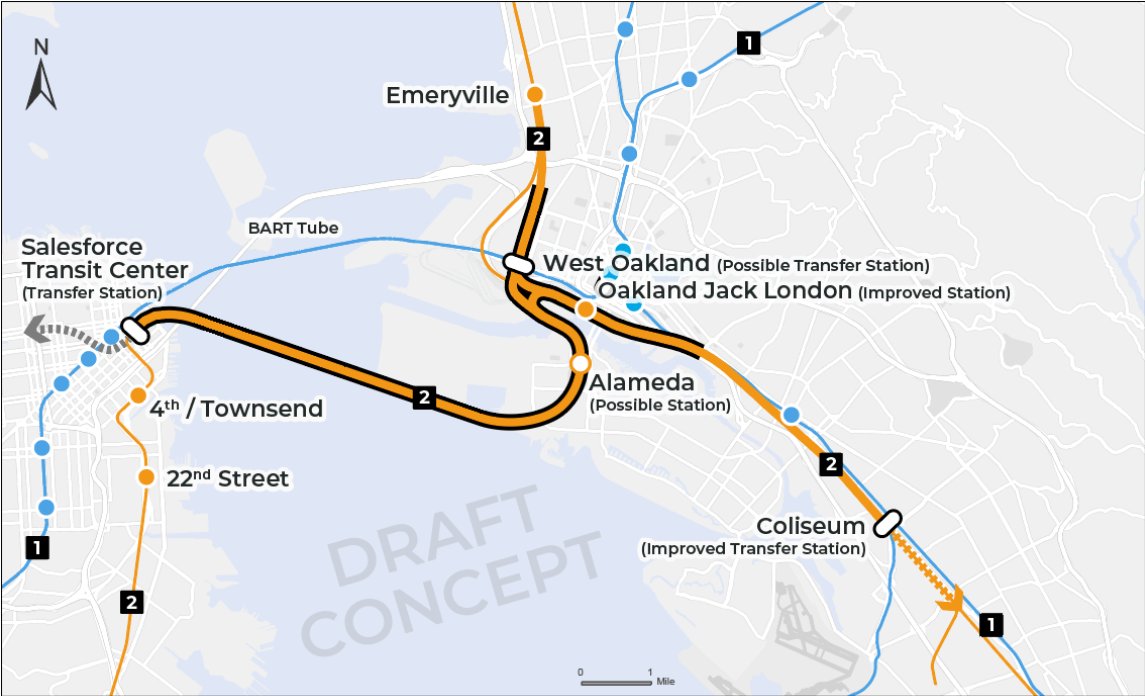
- Existing and Planned**
- 1 BART Rail
  - 2 Regional Rail



# Initial Regional Rail: Concepts A & B

**Concept A:** Salesforce Transit Center to Jack London District via Alameda

**Concept B:** Salesforce Transit Center via Port of Oakland



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

- Stations**
- Existing BART Rail
  - Possible BART Rail
  - Existing Regional Rail
  - Possible Regional Rail
  - Transfer

- Existing and Planned**
- BART Rail
  - Regional Rail

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

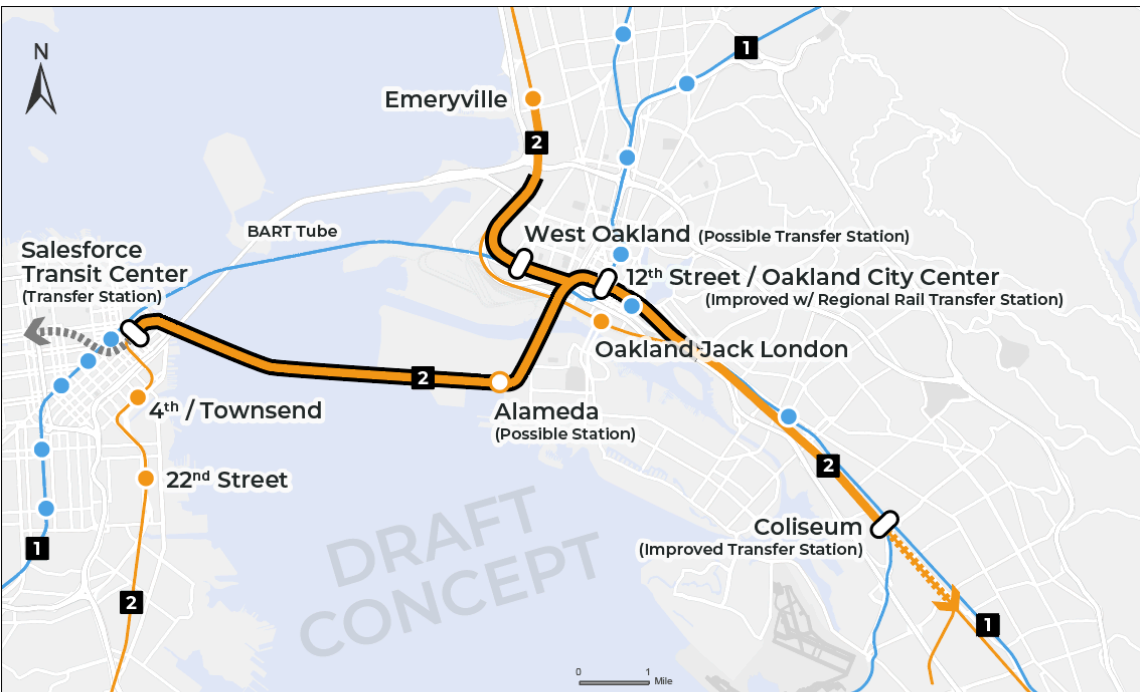
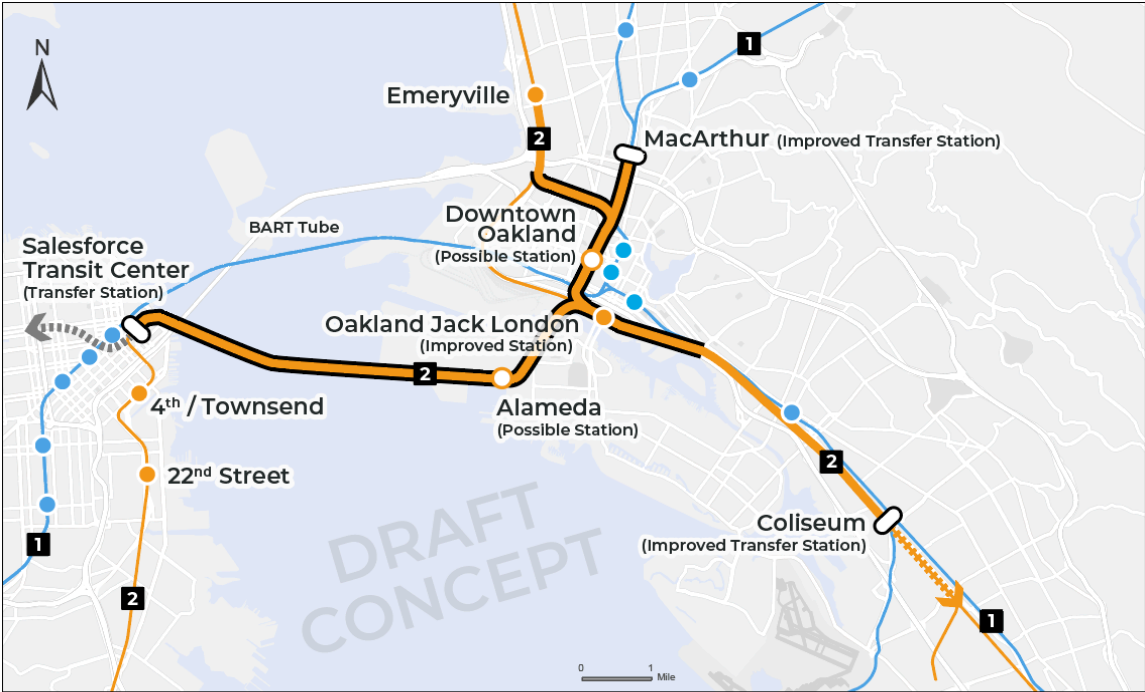
- Stations**
- Existing BART Rail
  - Possible BART Rail
  - Existing Regional Rail
  - Possible Regional Rail
  - Transfer

- Existing and Planned**
- BART Rail
  - Regional Rail

# Initial Regional Rail: Concepts E & F

**Concept E:** Salesforce Transit Center to MacArthur via Alameda

**Concept F:** Salesforce Transit Center to Oakland City Center via Alameda



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|---|--|---|
| <ul style="list-style-type: none"> <li> Regional Rail Concept</li> <li> Regional Rail Concept (Tracks Underground)</li> <li> Regional Rail Concept (Possible Improvements)</li> <li> Possible Rail Extension</li> </ul> | <p><b>Stations</b></p> <ul style="list-style-type: none"> <li> Existing BART Rail</li> <li> Possible BART Rail</li> <li> Existing Regional Rail</li> <li> Possible Regional Rail</li> <li> Transfer</li> </ul> | <p><b>Existing and Planned</b></p> <ul style="list-style-type: none"> <li> BART Rail</li> <li> Regional Rail</li> </ul> |
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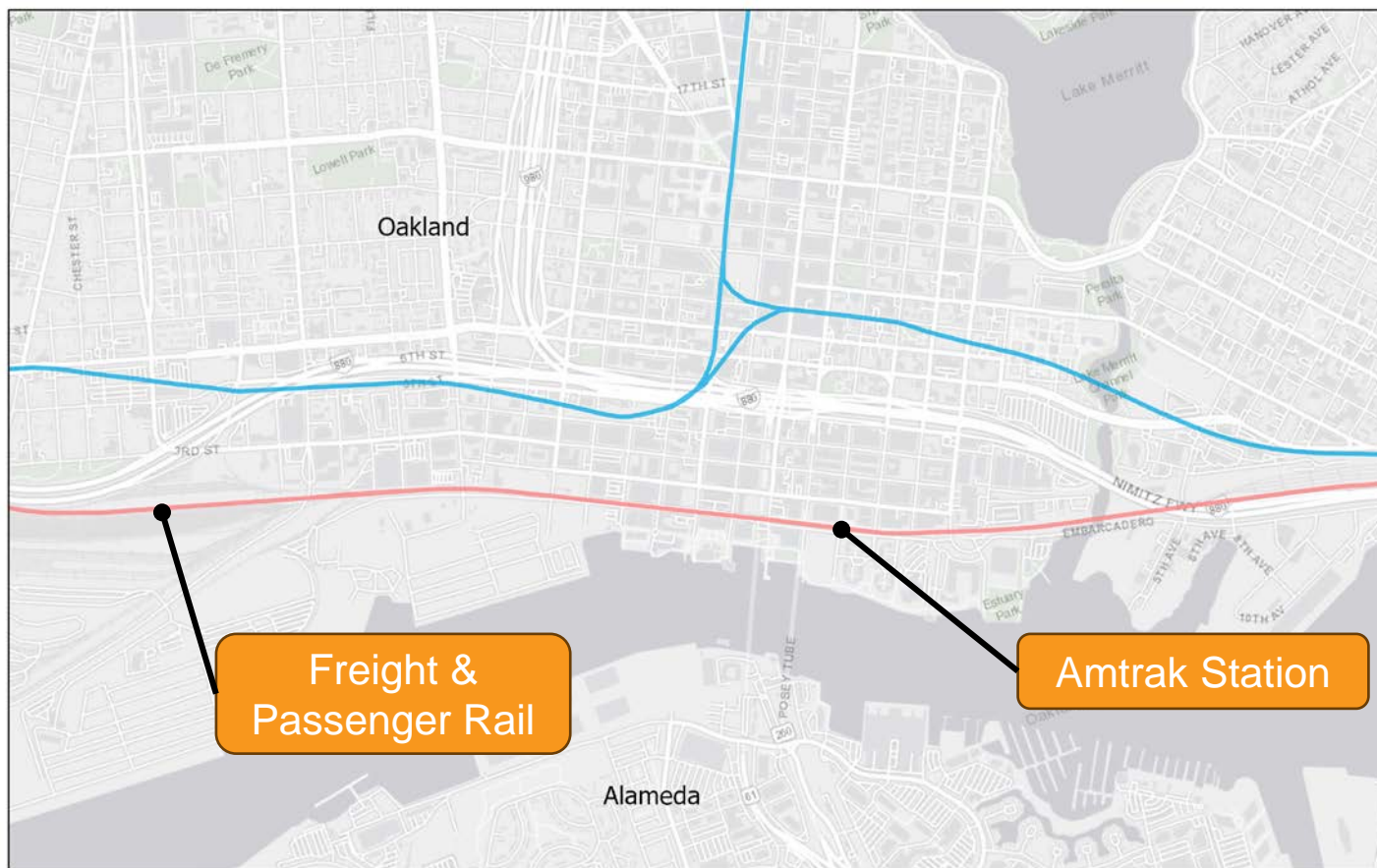
# Key Considerations for Jack London Square

Overall extent and type of passenger rail service in Jack London Square

Potential new **BART** station with transfer to Intercity Rail

Potential new underground **Regional Rail** station

- Potential rail connections:
- Downtown Oakland
  - East Bay BART network
  - Alameda
  - San Francisco
  - Peninsula

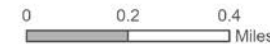


Legend

- Existing
- BART
  - Regional Rail

Existing Rail

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# Moving Forward

## ONGOING ACTIVITIES

### Collaboration

- Cities, agencies, elected officials, advocacy groups
- Megaregional stakeholder engagement
- Equity Advisory Council

### Planning

- Concept assessment and refinement
- Ridership modeling
- Service planning

## PROGRAM MILESTONES

### Fall 2023:

#### Megaregional Outreach Events

- Online Open House, Virtual Community Meeting & Office Hour
- Program and ongoing analysis update
- Train technology and concept options
- Input gathering

### Early 2024:

#### BART & Capitol Corridor Boards

- Recommendation of train technology in crossing
- Extents of initial Link21 project



# Thank you!

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

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