Briefing for SF Plans and Programs Committee

BART Vision Update
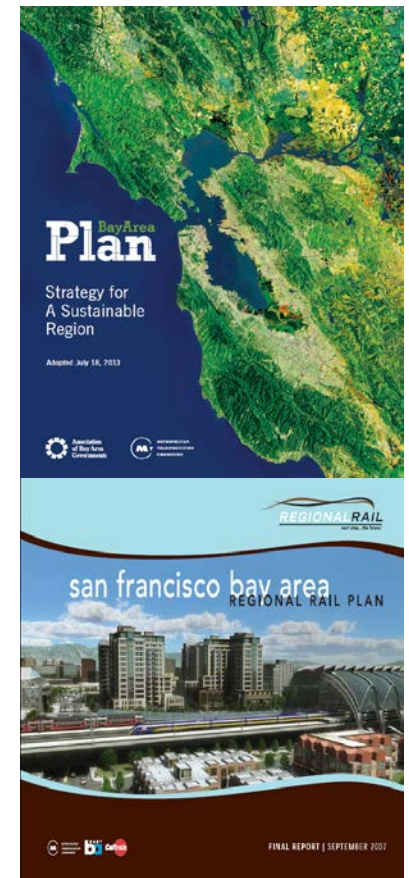
November 18, 2014

Today

- Vision study and context

- "The Limited List"

- Next Steps

BART Vision Purpose

How to support the region's vision?

- Sketch out projects
- Engage others
- Consider the trade-offs
- Advise the BART Board

Key Capital Priorities

1) Big 3 Essential Investments
   a) Railcars
   b) Hayward Maintenance Complex
   c) Train Control System Modernization

2) State of Good Repair

3) Capacity

4) Stations Program
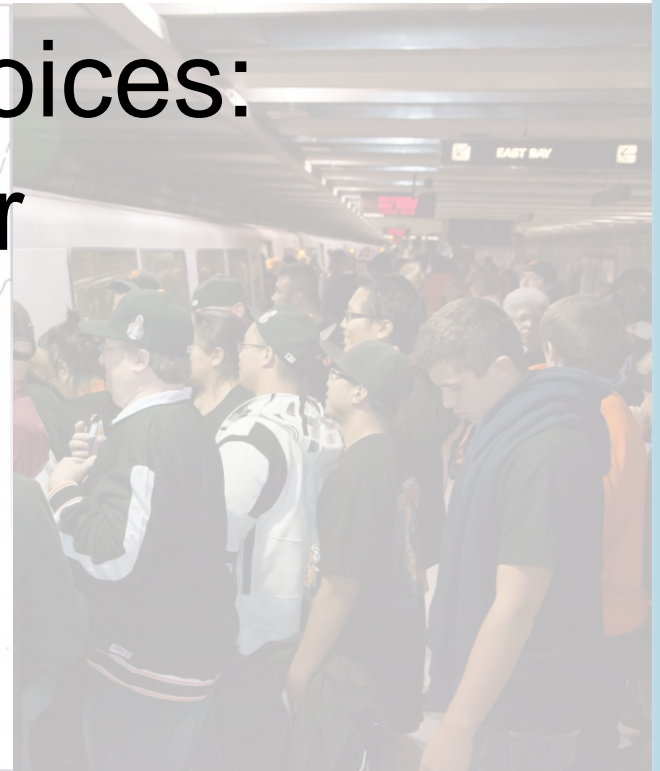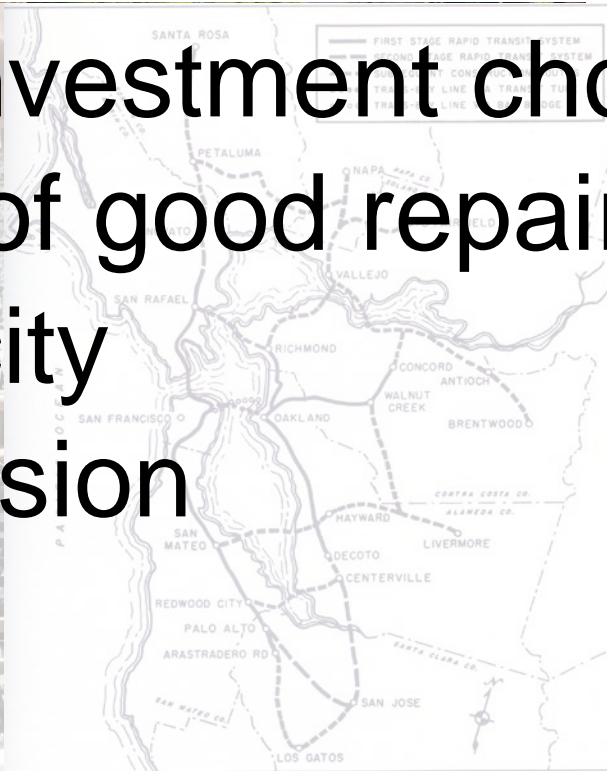
5) Expansion
   a) Infill Stations
   b) New Corridors

BART Context

Making investment choices:
- State of good repair
- Capacity
- Expansion

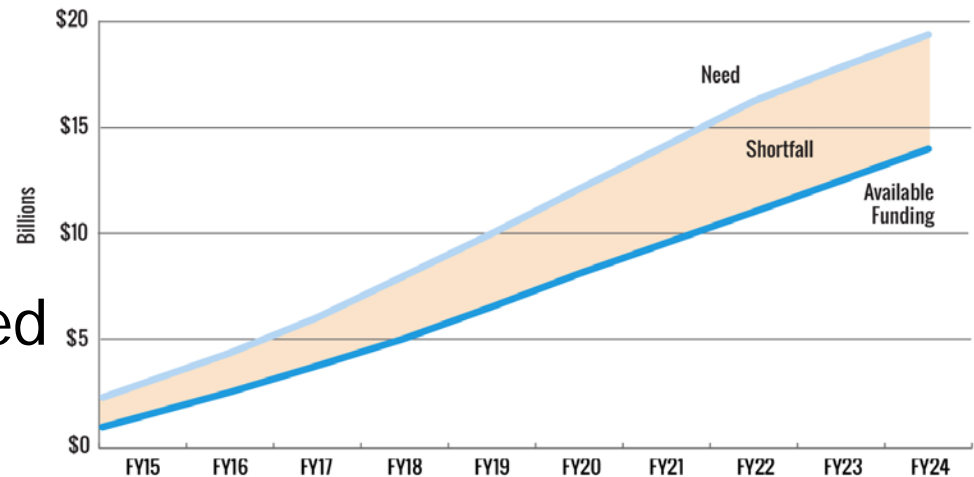# Ten-year cumulative financial outlook

Operating: ~$500M deficit

5% of total projected operating uses

Annual shortfalls $6 million to $80 million

Capital: ~$4.8B shortfall

50% of total projected need

Near-term needs greatest

Process Flow

State-of-Good-Repair and Capacity Projects

BART Vision Idea Gathering

BART Vision Pre-Screen

BART Vision First-Level Screening *Qualitative*

BART Vision Open House Meetings

BART Vision Second-Level Screening *Quantitative*

100+

30

15

15+

3 - 5
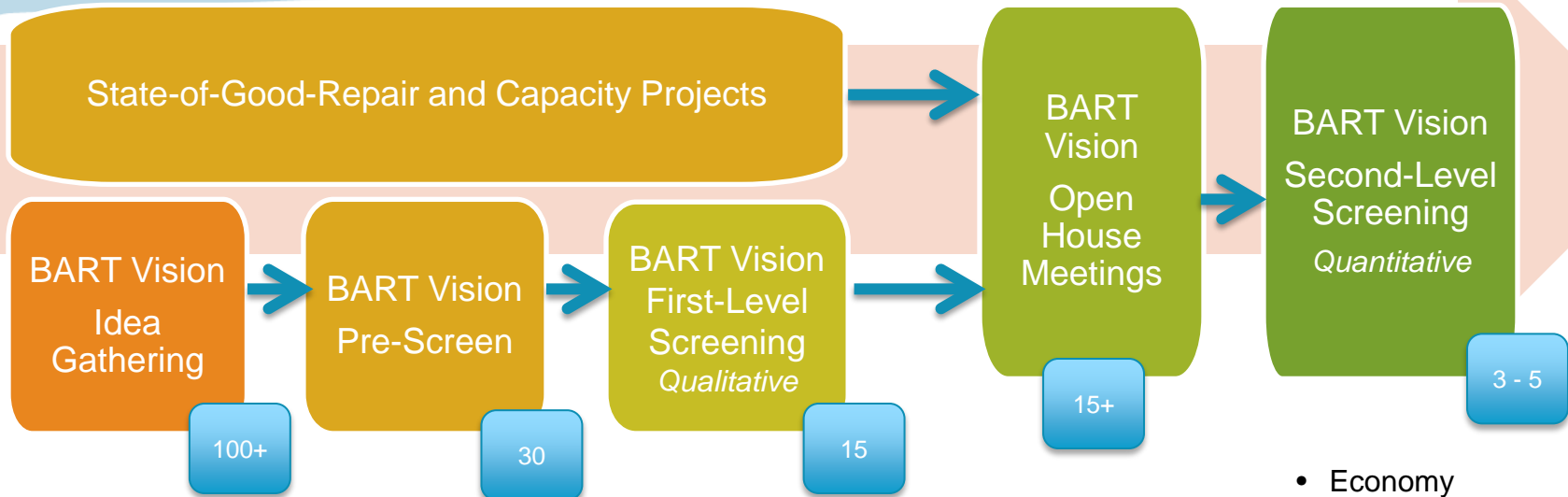
- Land Use - Density
- Corridor Availability

- Economy
- Environment
- Equity
- Customer Service
- System Performance

- Economy
- Environment
- Equity
- Customer Service
- System Performance

BART Board Meeting

We Are Here

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Approximate number of BART Vision projects

Goals and Objectives

- **Economy**   **10%**
  - *Access to jobs*
  - *Access to housing*

- **Environment**   **10%**
  - *Regional land use vision*
  - *Air quality benefits*

- **Equity**   **10%**
  - *Keep BART affordable*
  - *Equitable service*

- **Customer Service**   **35%**
  - *System reliability*
  - *Connect BART*
  - *Crowding and throughput*

- **System Performance**   **35%**
  - *Cost-effective system improvements*
  - *System flexibility*
  - *Deliverable projects*

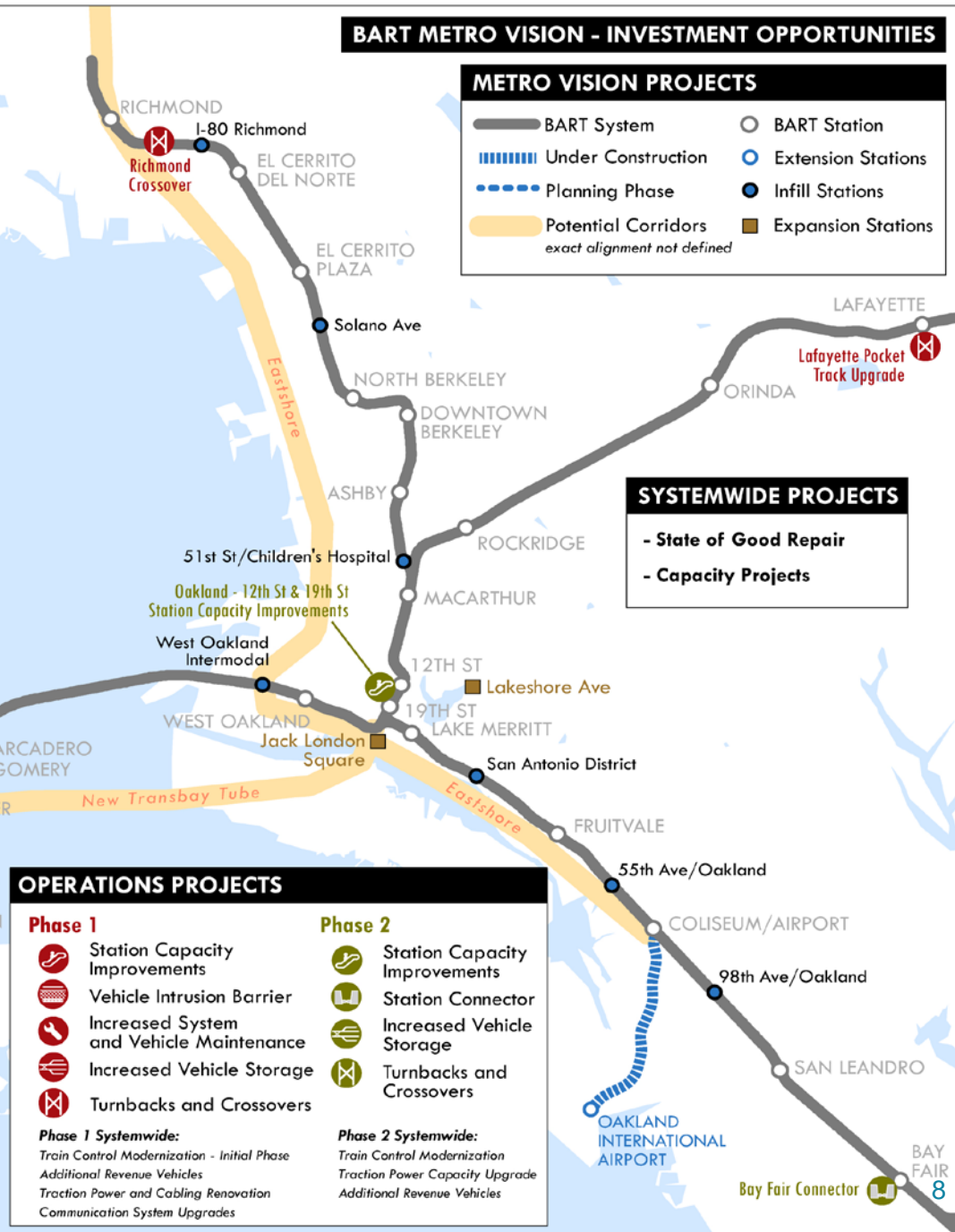# BART METRO VISION - INVESTMENT OPPORTUNITIES

METRO VISION PROJECTS

- BART System
- Under Construction
- Planning Phase
- Potential Corridors *exact alignment not defined*
- BART Station
- Extension Stations
- Infill Stations
- Expansion Stations

SYSTEMWIDE PROJECTS

- State of Good Repair
- Capacity Projects

OPERATIONS PROJECTS

Phase 1

- Station Capacity Improvements
- Vehicle Intrusion Barrier
- Increased System and Vehicle Maintenance
- Increased Vehicle Storage
- Turnbacks and Crossovers

Phase 1 Systemwide:
Train Control Modernization - Initial Phase
Additional Revenue Vehicles
Traction Power and Cabling Renovation
Communication System Upgrades

Phase 2

- Station Capacity Improvements
- Station Connector
- Increased Vehicle Storage
- Turnbacks and Crossovers

Phase 2 Systemwide:
Train Control Modernization
Traction Power Capacity Upgrade
Additional Revenue Vehicles

Inset Map (See Main Map)

- Railroad Ave
- Los Medanos College
- HILLCREST
- Pleasant Hill Turnback
- Dublin I-580 High Speed Intrusion Barrier
- Dublin / Pleasanton Tail Track Storage Extension
- South Hayward Turnback
- Hayward Maintenance Complex
- Whipple Rd
- Shinn Intermodal
- Union City Intermodal
- Irvington
- WARM SPRINGS
- Calaveras Blvd
- MILPITAS
- BERRYESSA
- San Bruno Intermodal
- Millbrae Transportation Facilities Expansion
- Millbrae Tail Track Storage Extension
- wBART
- I-680

Main Map

- RICHMOND
- I-80 Richmond
- Richmond Crossover
- EL CERRITO DEL NORTE
- EL CERRITO PLAZA
- Solano Ave
- NORTH BERKELEY
- DOWNTOWN BERKELEY
- ASHBY
- ROCKRIDGE
- LAFAYETTE
- Lafayette Pocket Track Upgrade
- ORINDA
- MACARTHUR
- 51st St/Children's Hospital
- Oakland - 12th St & 19th St Station Capacity Improvements
- West Oakland Intermodal
- WEST OAKLAND
- 12TH ST
- 19TH ST
- LAKE MERRITT
- Lakeshore Ave
- Jack London Square
- San Antonio District
- Eastshore
- FRUITVALE
- 55th Ave/Oakland
- COLISEUM/AIRPORT
- 98th Ave/Oakland
- SAN LEANDRO
- OAKLAND INTERNATIONAL AIRPORT
- Bay Fair Connector
- BAY FAIR
- Van Ness/Presidio
- Embarcadero & Montgomery Station Capacity Improvements
- Downtown SF Additional Platform Elevators and AFC Equipment
- EMBARCADERO
- MONTGOMERY
- POWELL
- CIVIC CENTER
- BART to the Beach
- New Transbay Tube
- Market St & Van Ness Ave
- SF Division (Intermodal w/N-Judah branch)
- SOMA Loop
- 16TH MISSION
- 24TH MISSION
- 30th & Mission St
- Glen Park Turnback
- GLEN PARK
- BALBOA PARK
- West Loop to Daly City
- Daly City Maintenance Siding Extension
- Daly City - Colma: SB High Speed Crossover
- DALY CITY
- Bayshore Blvd
- COLMA

SEPTEMBER 5, 2013

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First-Level Screening Results
"The Limited List"

Corridors	Infill Stations

1. Transbay
    ▪ Second Transbay Tube
    ▪ Transbay Bus improvements
	1. Irvington

2. Western SF (BART)
    ▪ Western Addition - Richmond District
    ▪ Western Addition - UCSF - 19th Ave - Daly City
	2. SF 30th Street

3. Livermore I-580 (BART)	3. Richmond I-80 Transfer
4. eBART Phase 2 (DMU)	4. Oakland Children's Hospital
5. I-680 (BRT)	5. Oakland San Antonio
6. wBART I-80 (BART)	6. Oakland 55th Avenue
7. Eastshore/Capitol Corridor Overlay (DMU)	7. Oakland 98th Avenue
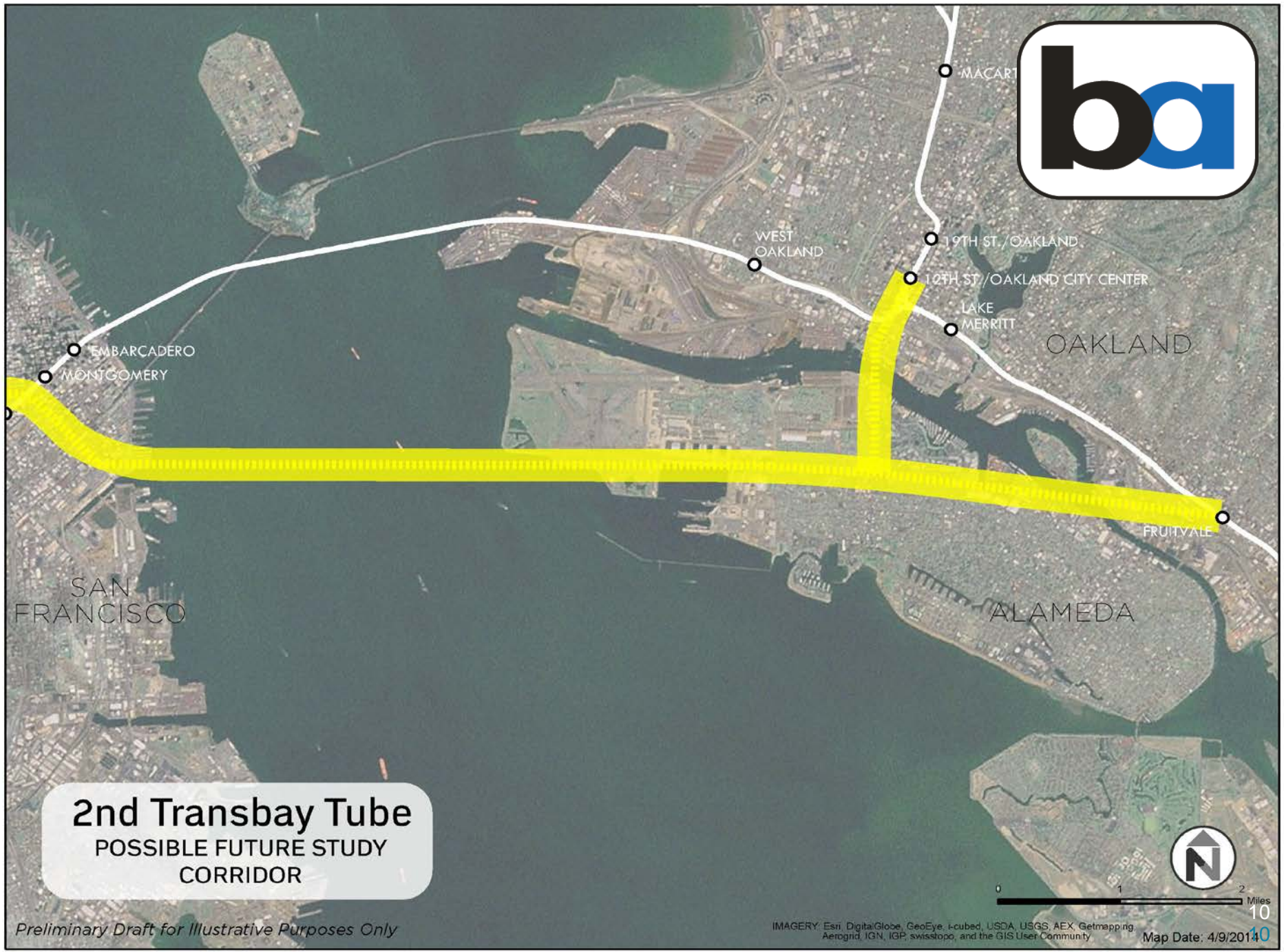
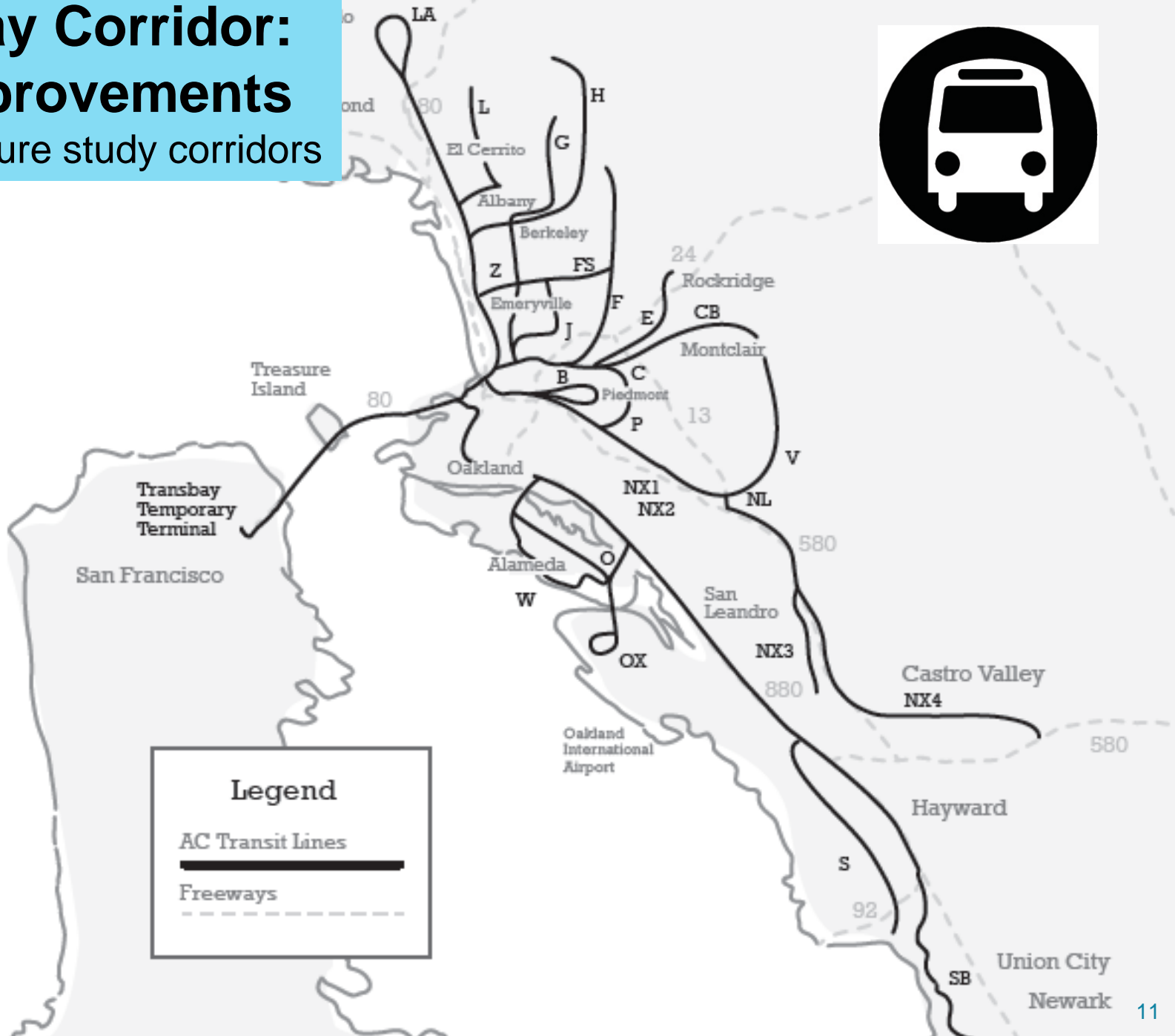**2nd Transbay Tube**
POSSIBLE FUTURE STUDY
CORRIDOR

IMAGERY: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: 4/9/2014

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Transbay Corridor: Bus Improvements
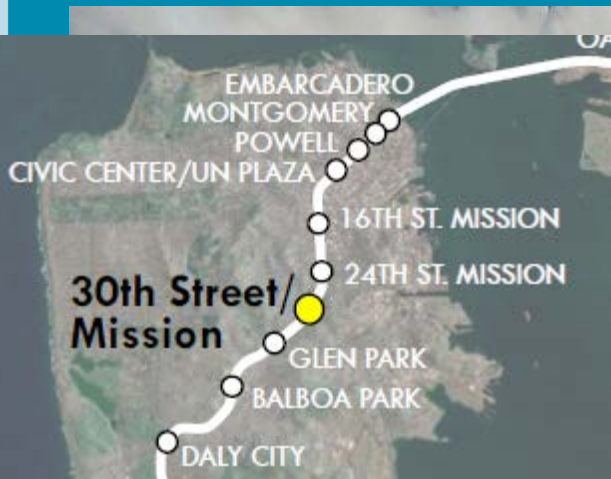possible future study corridors

EMBARCADERO
MONTGOMERY
POWELL
CIVIC CENTER/
UN PLAZA
16TH ST./MISSION
24TH ST./MISSION
SAN FRANCISCO
GLEN PARK
BALBOA PARK
DALY CITY
DALY CITY
COLMA
COLMA

2nd San Francisco BART Line
POSSIBLE FUTURE STUDY CORRIDORS

N

0   1   2

Preliminary Draft for Illustrative Purposes Only

IMAGERY: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping,
Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Map Date: 4/9/2014

San Francisco - 30th Street

BART

EMBARCADERO
MONTGOMERY
POWELL
CIVIC CENTER/UN PLAZA

16TH ST. MISSION

24TH ST. MISSION

30th Street/
Mission

GLEN PARK

BALBOA PARK

DALY CITY

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Google earth

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Next Steps

Dec 4 BART Board consideration

- "The Short List" for review

- Discussion of advancement to study

Briefing for SF Plans and Programs Committee

BART Vision Update

November 18, 2014