



Presentation to SPUR

BART Vision Update

Nov 19, 2014



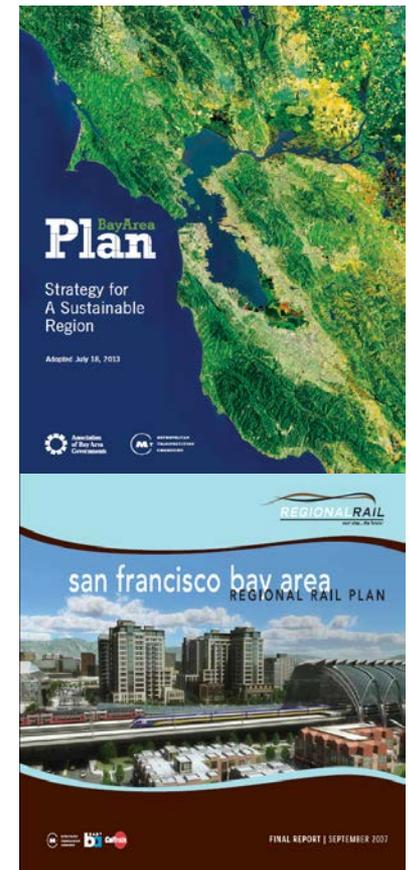
- Vision study and context
- The Long List
- The Limited List
- And The Short List
- Next Steps

BART Vision Purpose



How to support the region's vision?

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



Key Capital Priorities



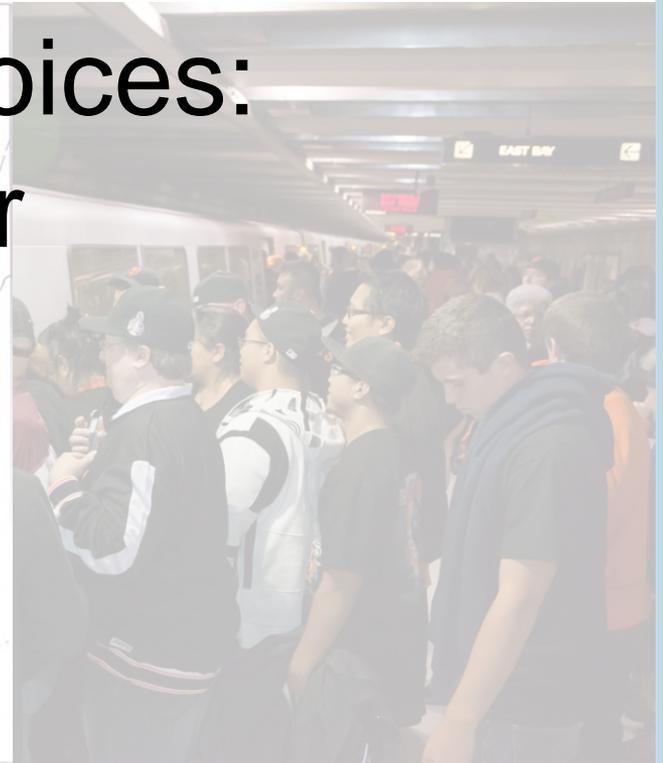
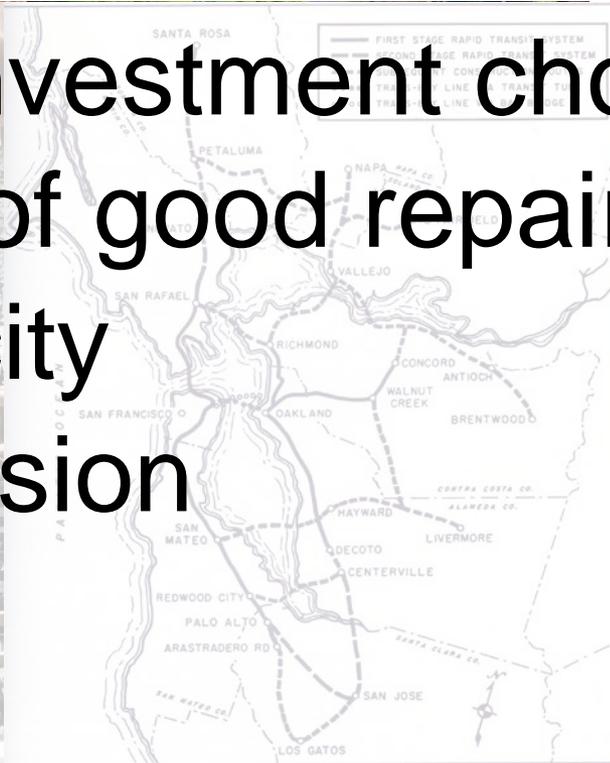
- 1) **Big 3 Essential Investments**
 - a) Railcars
 - b) Hayward Maintenance Complex
 - c) Train Control System Modernization
- 2) **State of Good Repair**
- 3) **Capacity**
- 4) **Stations Program**
- 5) **Expansion**
 - a) Infill Stations
 - b) New Corridors





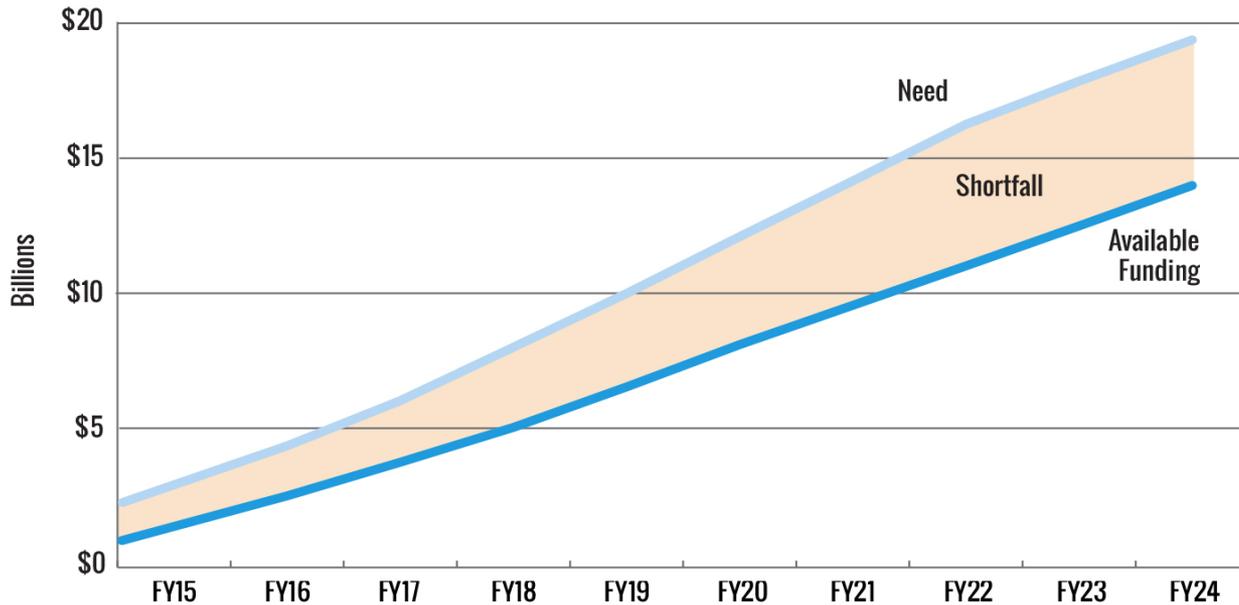
Making investment choices:

- State of good repair
- Capacity
- Expansion





Cumulative Financial Outlook



Operating:

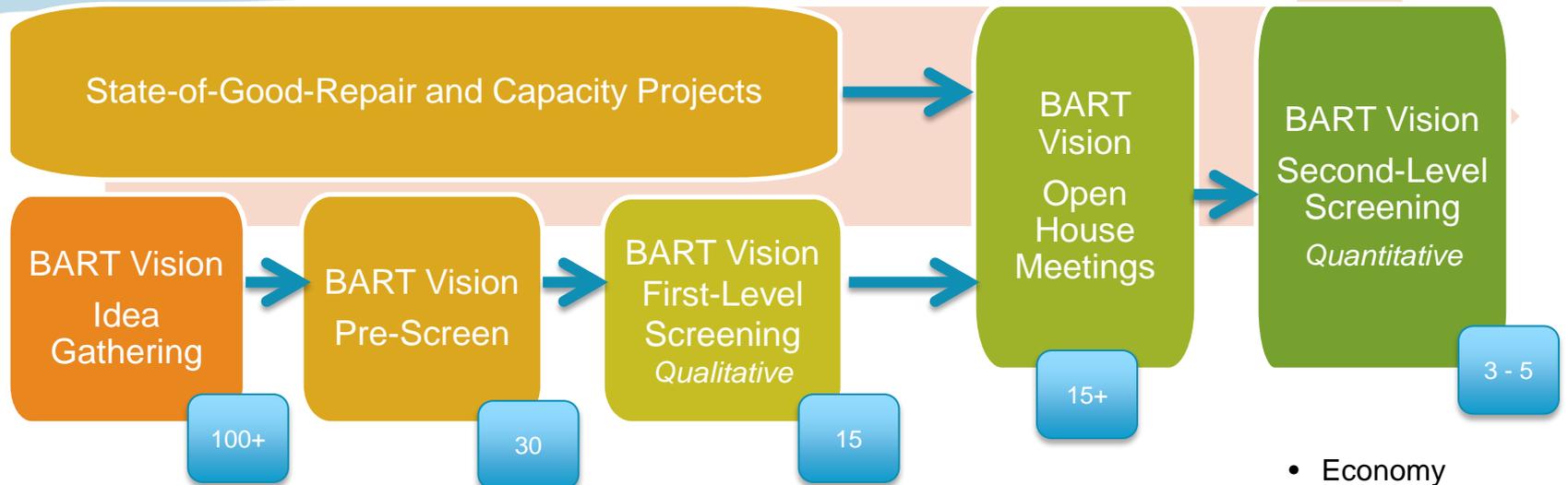
- ~\$500M deficit
- 5% of total operating uses

Capital:

- ~\$4.8B shortfall
- 50% of total need
- Near-term needs greatest



Process Flow



- Land Use - Density
- Corridor Availability

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

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

We Are Here

BART Board Meeting

30

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		BART Station
	Under Construction		Extension Stations
	Planning Phase		Infill Stations
	Potential Corridors <i>exact alignment not defined</i>		Expansion Stations

SYSTEMWIDE PROJECTS

- State of Good Repair
- Capacity Projects

OPERATIONS PROJECTS

Phase 1	Phase 2
Station Capacity Improvements	Station Capacity Improvements
Vehicle Intrusion Barrier	Station Connector
Increased System and Vehicle Maintenance	Increased Vehicle Storage
Increased Vehicle Storage	Turnbacks and Crossovers
Turnbacks and Crossovers	

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

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



First-Level Screening Results

“The Limited List”

Corridors	Infill Stations
1. Transbay <ul style="list-style-type: none">▪ Second Transbay Tube▪ Transbay Bus improvements	1. Irvington
2. Western SF (BART) <ul style="list-style-type: none">▪ Western Addition - Richmond District▪ Western Addition - UCSF - 19th Ave - Daly City	2. SF 30 th 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 55 th Avenue
7. Eastshore/Capitol Corridor Overlay (DMU)	7. Oakland 98 th Avenue



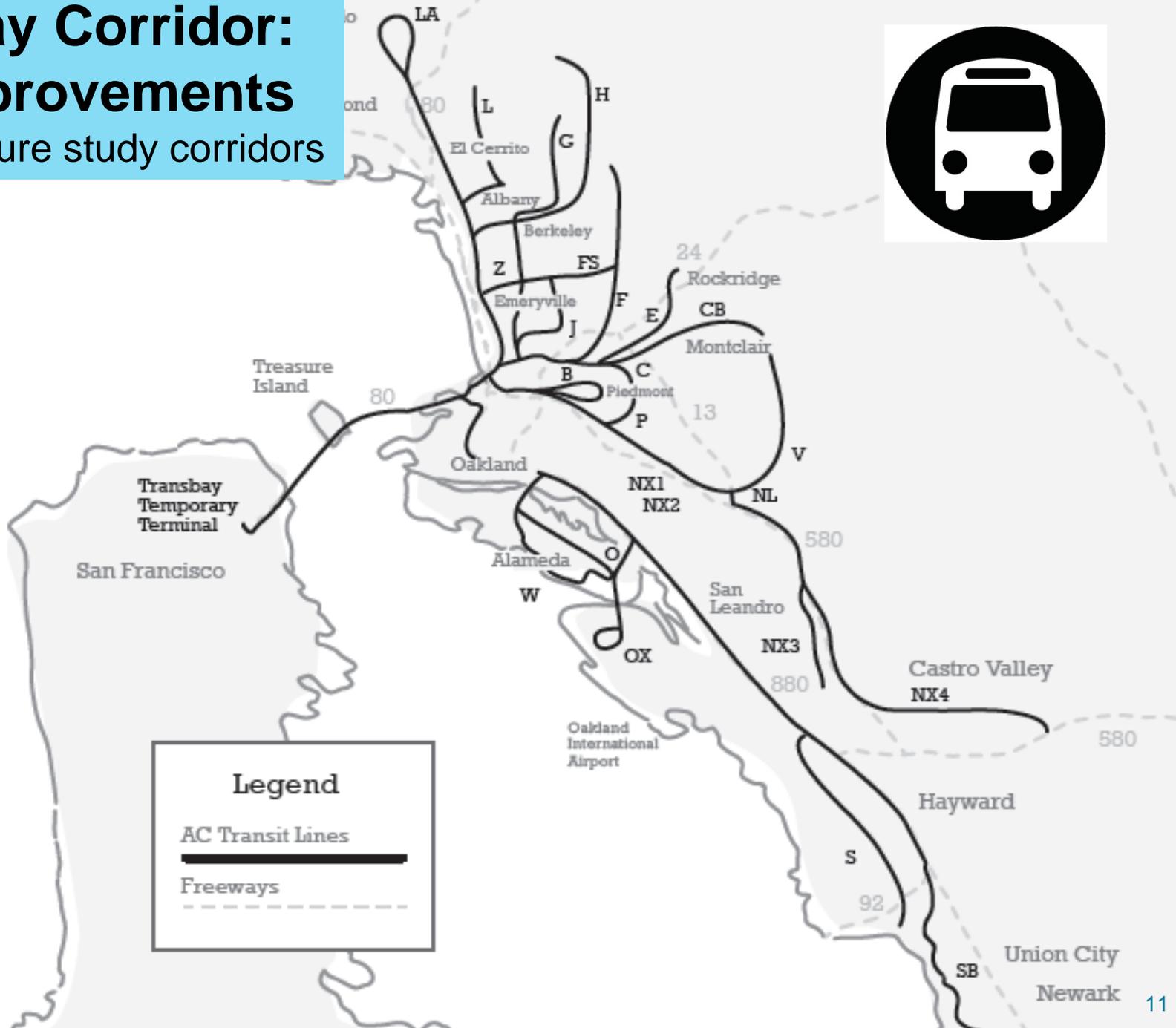
2nd Transbay Tube
POSSIBLE FUTURE STUDY
CORRIDOR

Preliminary Draft for Illustrative Purposes Only



Transbay Corridor: Bus Improvements

possible future study corridors



Legend

AC Transit Lines
—————

Freeways

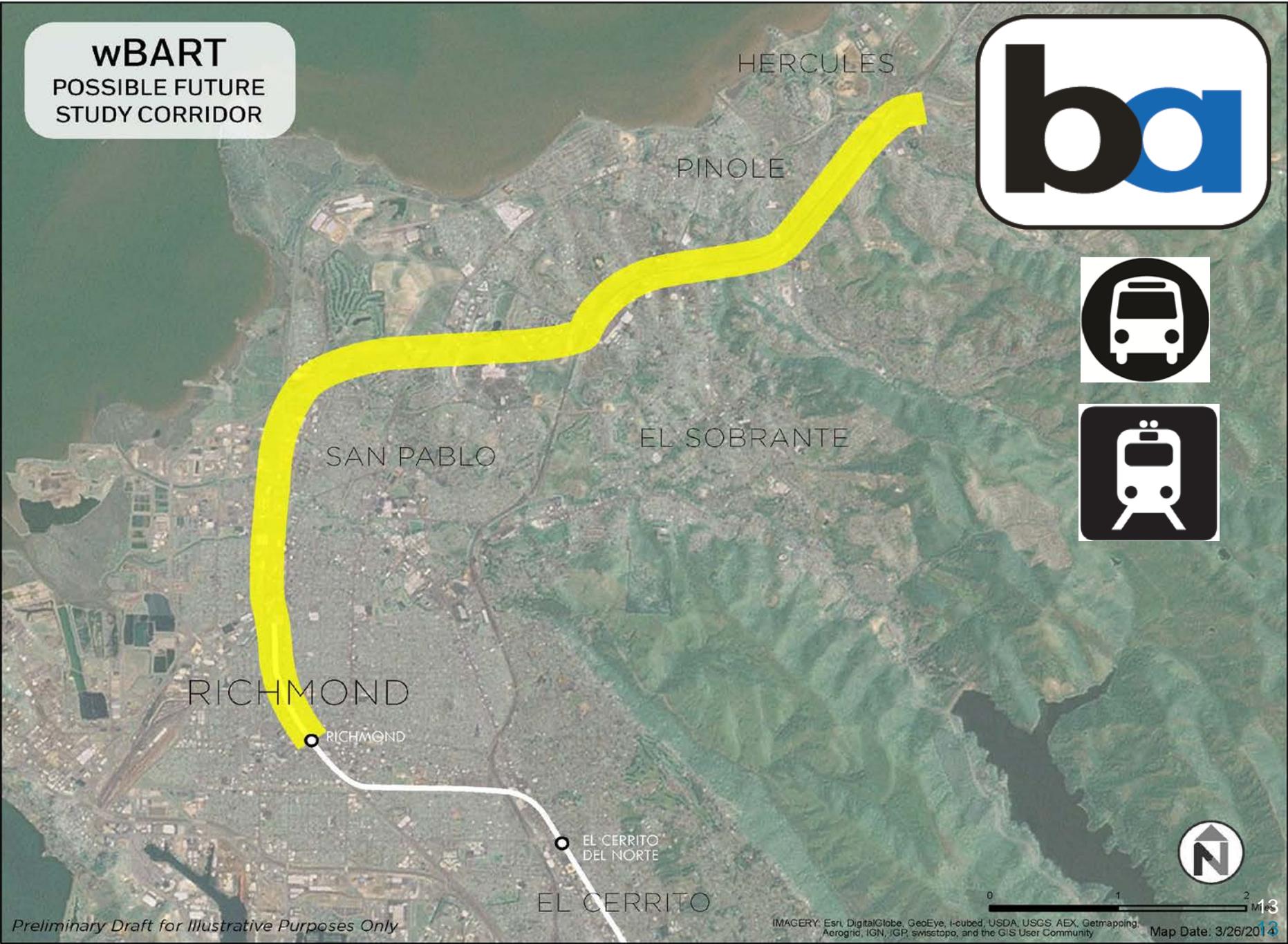


**2nd San Francisco
BART Line**
POSSIBLE FUTURE STUDY
CORRIDORS



0 1 2 12

wBART
POSSIBLE FUTURE
STUDY CORRIDOR

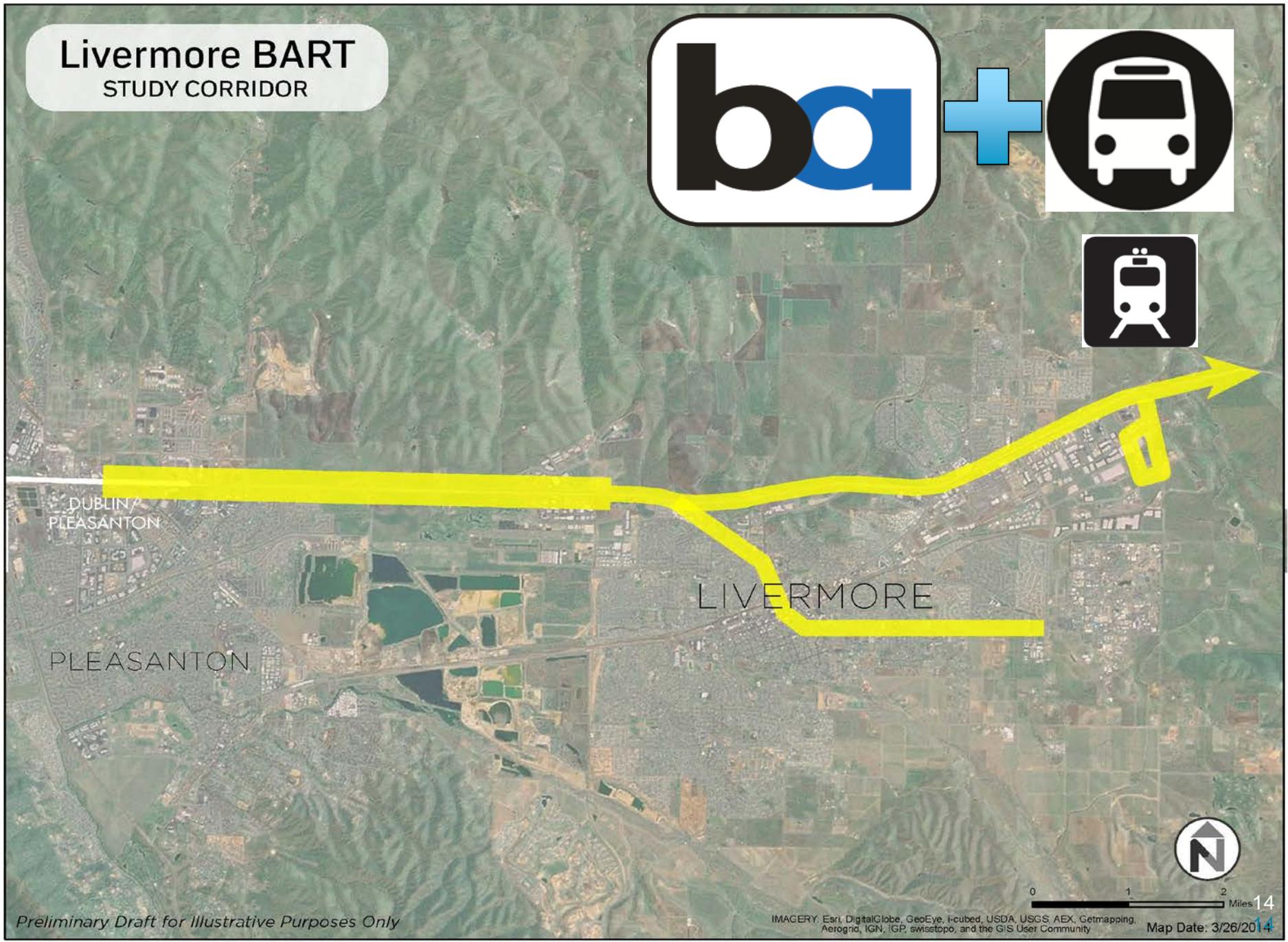


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Livermore BART STUDY CORRIDOR



DUBLIN/
PLEASANTON

PLEASANTON

LIVERMORE



0 1 2 Miles 14

eBART Phase 2

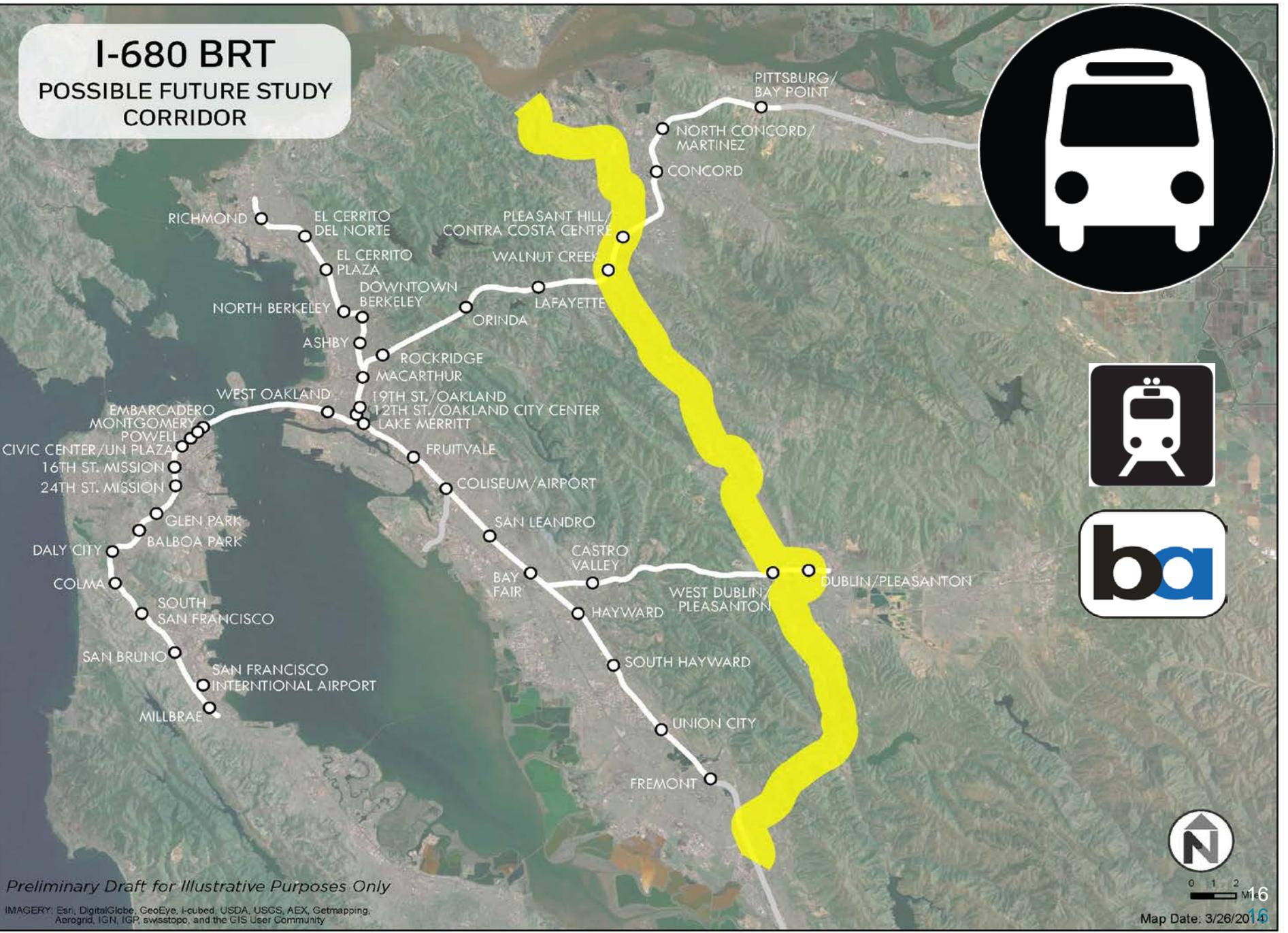
POSSIBLE FUTURE
STUDY CORRIDOR



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I-680 BRT

POSSIBLE FUTURE STUDY CORRIDOR



0 1 2 Miles

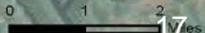
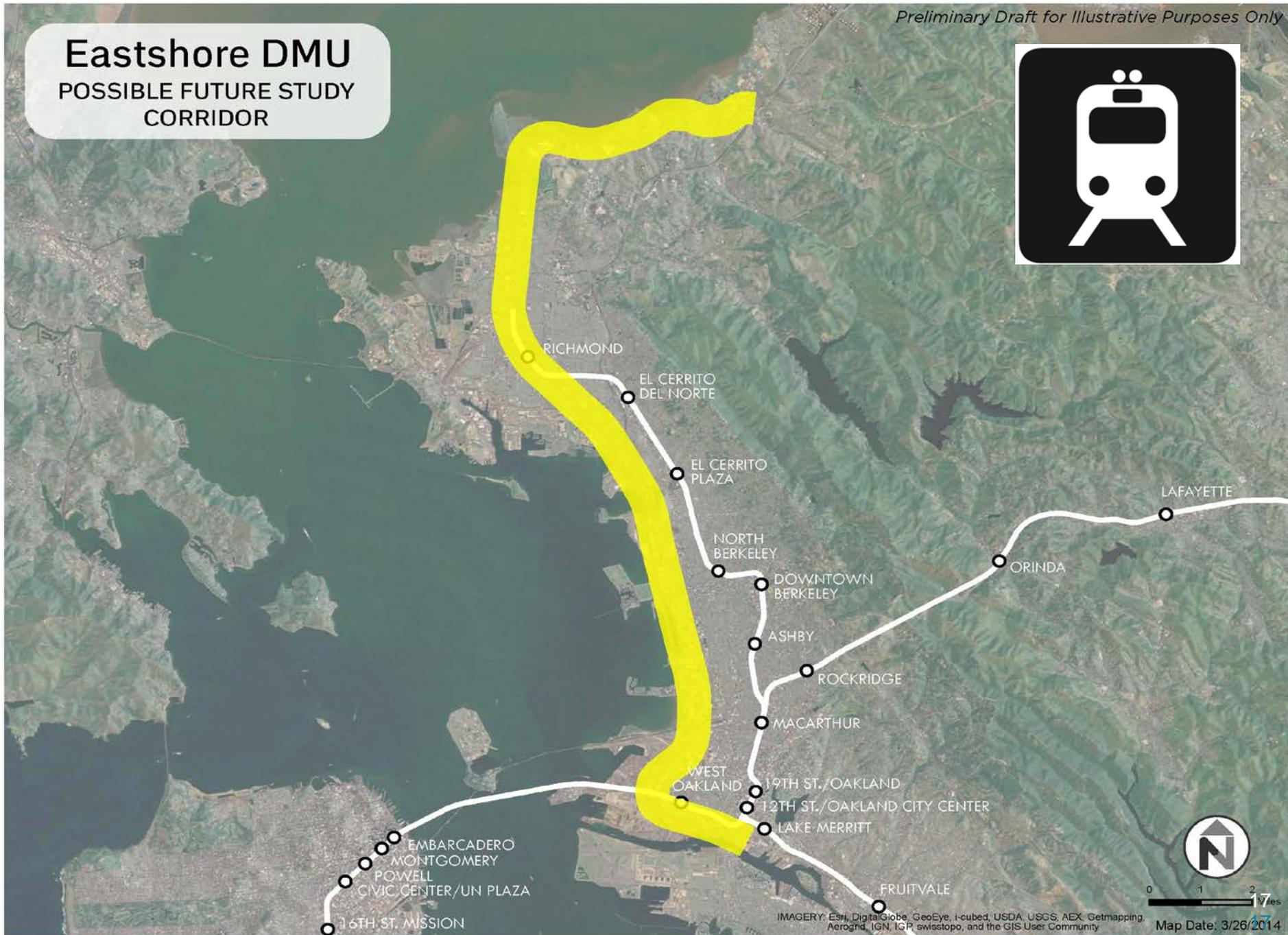
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Map Date: 3/26/2016

Eastshore DMU

POSSIBLE FUTURE STUDY
CORRIDOR

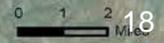


Infill Stations POSSIBLE FUTURE STUDY SITES



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



Map Date: 3/26/2014

Possible Future Infill Stations for Study

San Francisco - 30th Street



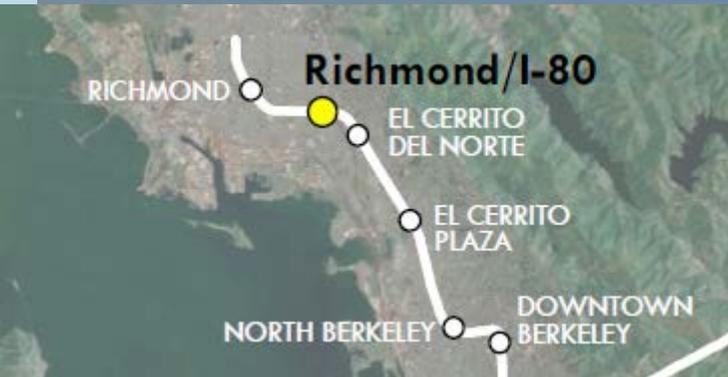
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Possible Future Infill Stations for Study

Richmond - I-80 Transfer



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Possible Future Infill Stations for Study

Oakland - Children's Hospital

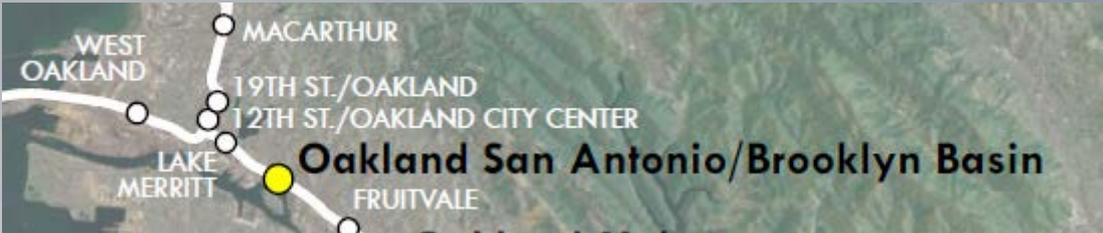


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Possible Future Infill Stations for Study

Oakland - San Antonio/Brooklyn Basin



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Possible Future Infill Stations for Study

Oakland - Melrose/55th Avenue



Possible Future Infill Stations for Study

Oakland - Elmhurst/98th Avenue



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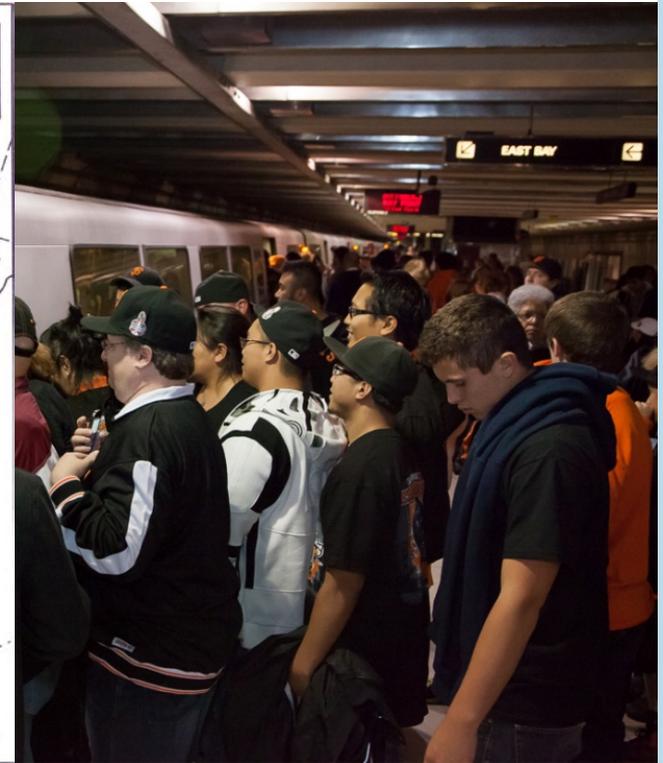
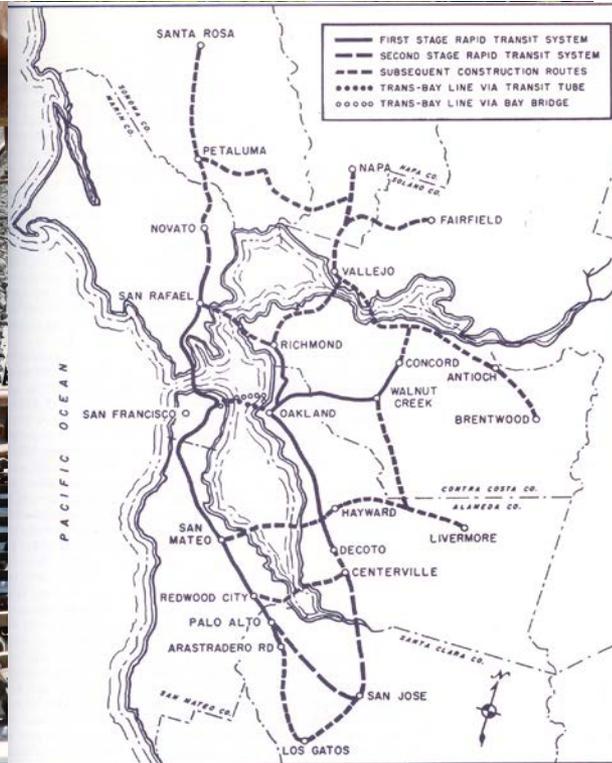
Possible Future Infill Stations for Study

Fremont - Irvington



Next Steps

Finding the right balance



Vision Study Outreach



The Long List

Stakeholders – transit advocates, business, leaders of non-profit and EJ organizations

Public

Agency partners

The Short List + SOGR + Capacity choices

Same parties

How would you improve BART?

BART has some important decisions to make over the next few decades. The system is aging and in need of repair.

At the same time, the region is growing, and more transit capacity is needed. This exercise is designed to help you help us set priorities for spending and revenue sources. You will see, in real time, the potential benefits and impacts of different spending decisions on the regional transit system (including BART and other modes, such as Transbay buses). You can update your priorities at any time.



Here's how to participate:

1. Funding: Allocate a budget by choosing one or more of the revenue sources.
2. Improvements: Review the potential projects to learn how BART could be improved over the next 40 years.
3. Benefits: Mix and match your improvements to see how the costs and benefits change.
4. Finish: When you've selected the strategies that best match your values (and budget!), click the green "Submit" button.

This exercise should take less than 10 minutes - thank you for your input!

You can play this game any time at futurebart.org!

Select your funding sources. All assumed to remain in place for 30 years.

Funding

- BART Bond \$\$\$
- Add'l BART sales tax \$\$\$\$\$ \$\$\$\$
- Regional VLF \$
- Regional Gas Tax \$\$\$
- Higher BART Fares \$
- Bridge Tolls \$
- Parcel Tax \$\$

Total Budget

Annual Household Cost
\$0

Reset All Choices

Your Overall Benefits

- Regional Economy
- Compact Land Use
- Keeps BART Affordable
- System Reliability
- Manages Crowding
- Improves Cost-Effectiveness
- Increases Flexibility

Improvements

Fix and Modernize BART



Fully fund all of BART's maintenance and repair backlog for 30 years



\$\$\$\$\$\$ \$\$\$\$\$\$
\$\$

Costs

Costs

Budget Spent

Maximum is

Submit & Go to Survey

Next Steps



Dec 4 BART Board consideration

- “The Short List” for review
- Discussion of advancement to study
- Consideration of policy work
 - Review System Expansion Policy
 - Develop Infill Station Policy



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BART Vision Update

Nov 19, 2014