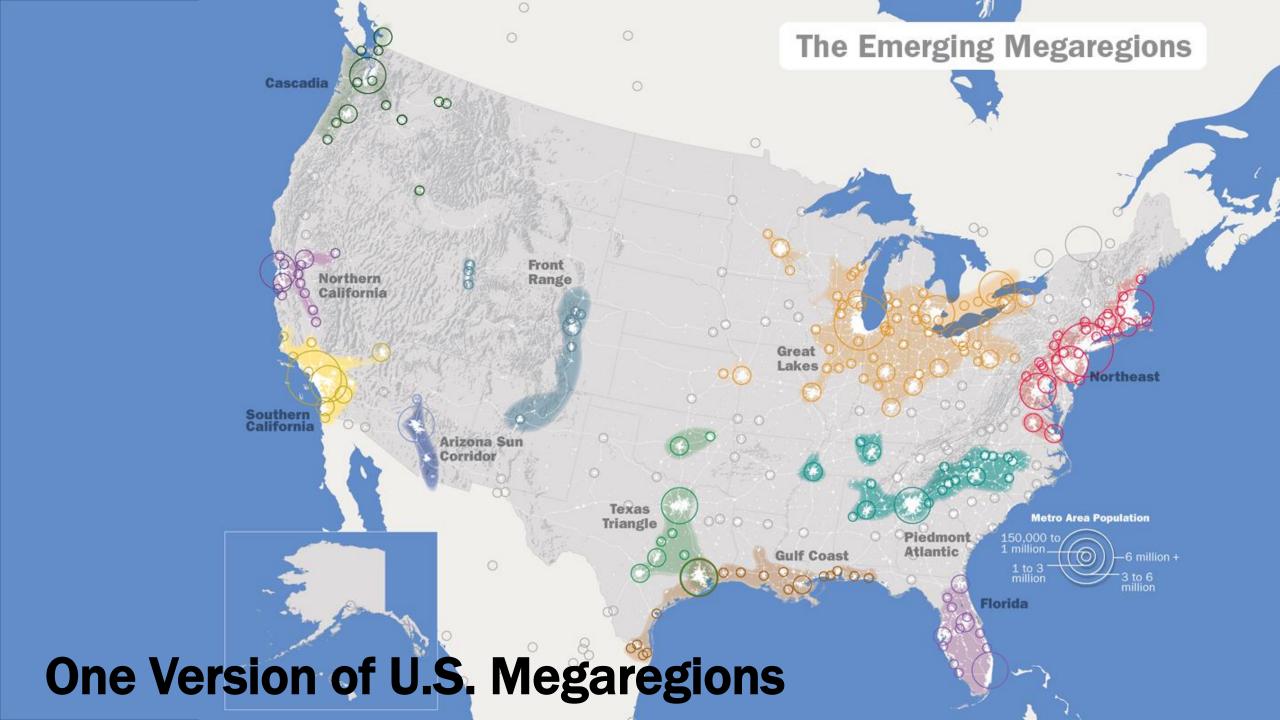


The Role of Cities in Planning Transportation Megaprojects

- Elizabeth Deakin
 - What is a megaproject? What makes them so challenging?
 - Challenge of transportation governance in megaregions
- Eric Eidlin: San Jose Diridon Station
- Doug Johnson: Rail Alignment and Benefits (RAB) Study
- Q&A



- Majority of world population is urban, but "urban" (includes many small places)
- Metropolitan regions are key drivers of economic growthconcentrate human and physical capital, resources, entrepreneurship
- Megaregions are leaders in innovation, opportunity
- "Going glocal" integrating global and local knowledge
- Cities and regions as innovation testbeds



Challenges

- Global warming
- Public safety
- Disparities in wealth, health, opportunity
- Environmental quality
- Diversity and inclusion
- Housing and infrastructure
- Governance, effective management

Can we alleviate threats and capture opportunities?

Megaprojects: A Major Challenge





Transportation Megaprojects

- Cities want them. But don't want the negative impacts.
- They have profound place-defining effects on the communities in which they are built. But their design often fails to account for this.
- Many fail to put the user first and are not developed to maximize integration.

CONNECTING CALIFORNIA

 CALIFORNIA
 2015
 2065
 GROWTH

 Population
 39 M
 52 M
 + 33%

 Employees
 16 m
 28 m
 + 77%

Option:
MAXIMIZE RAIL
OR
EXPAND AIRPORTS/HWYS

4,300 lane miles + 115 Airport gates would be needed to create equivalent capacity of high speed rail **545 Million TRIPS** between regions In 2040. That is 50% more than 2010 California will grow 260,000 NEW RESIDENTS EVERY Sacramento YEAR Oakland San Francisco San Jose Los Angeles

San Diego



Why is Diridon Station so Important?

Planned Major Regional Rail Services San Jose Diridon

High-Speed Rail



BART



Caltrain

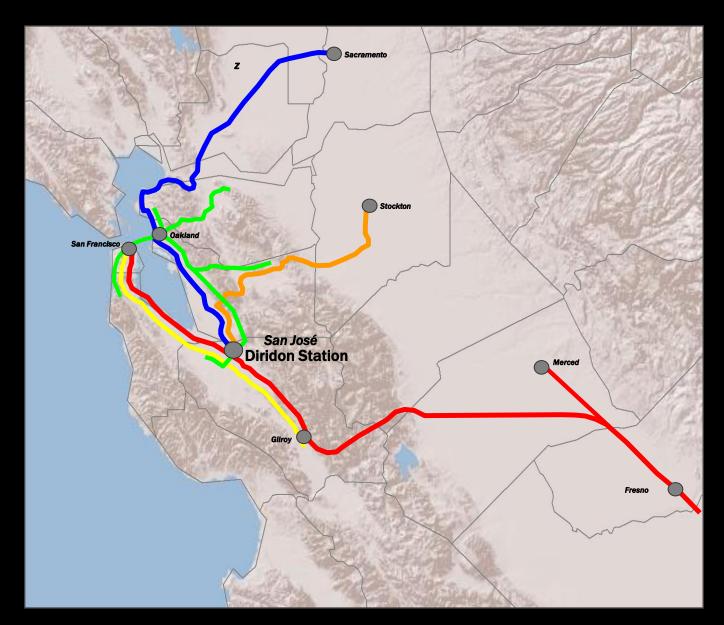


ACE

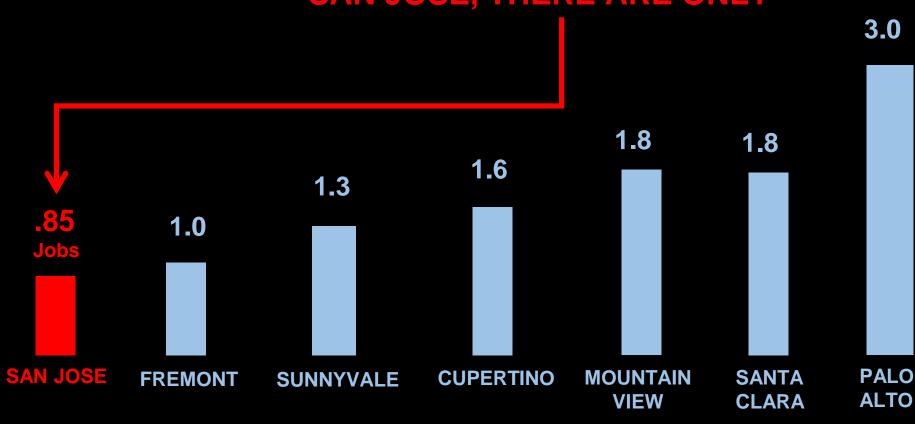


Capitol





FOR EVERY EMPLOYED RESIDENT IN SAN JOSE, THERE ARE ONLY



Envision San José 2040







GENERAL PLAN

Adopted November 1, 2011 As Amended on February 27, 2018

- Attract more activity, especially employment, to downtown and transit-rich locations
- Reduce driving



DIRIDON STATION AREA PLAN

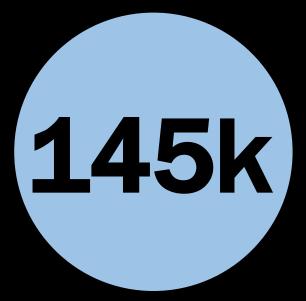
- Establish Diridon Area as major destination
- Foster a lively public realm that supports walking and bicycling

Diridon vs. Other CA Transportation Facilities
Passengers/Day

DIRIDON TODAY



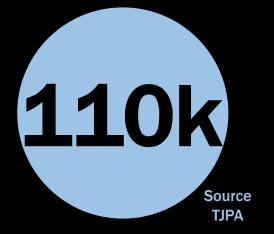
SFO TODAY



L.A. UNION TODAY



SF TRANSBAY FUTURE



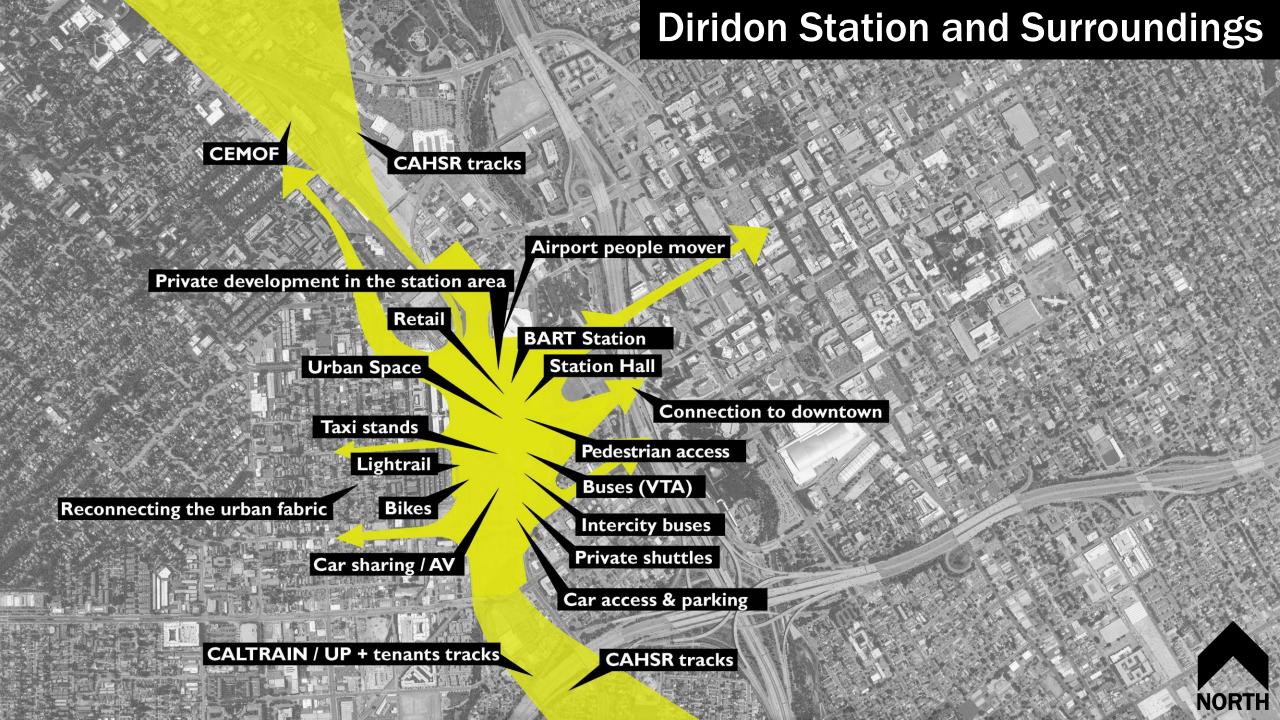








- Seamless connections between transportation modes.
- A harmonious relationship between the station and surroundings.
- An effective organizational structure to deliver the vision.

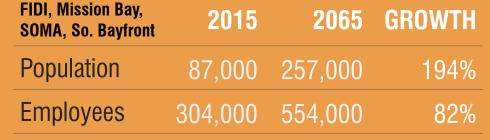


San Francisco Rail Alignment And Benefits (RAB) Study





CONNECTING neighborhoods



20,000 new households in southern bayfront are planned, from Mission Creek to Executive Park

35,000 new jobs + **520** acres of open space are also planned in the Southern Bayfront

6 east-west roads could be reconnected across Caltrain tracks

Option:
UNDERGROUND RAIL
OR
NEIGHBORHOOD
ISOLATION



Why now? Major planned new infrastructure

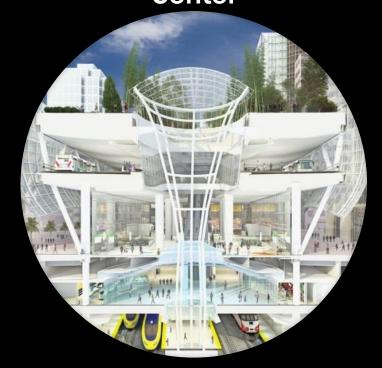
Caltrain Electrification



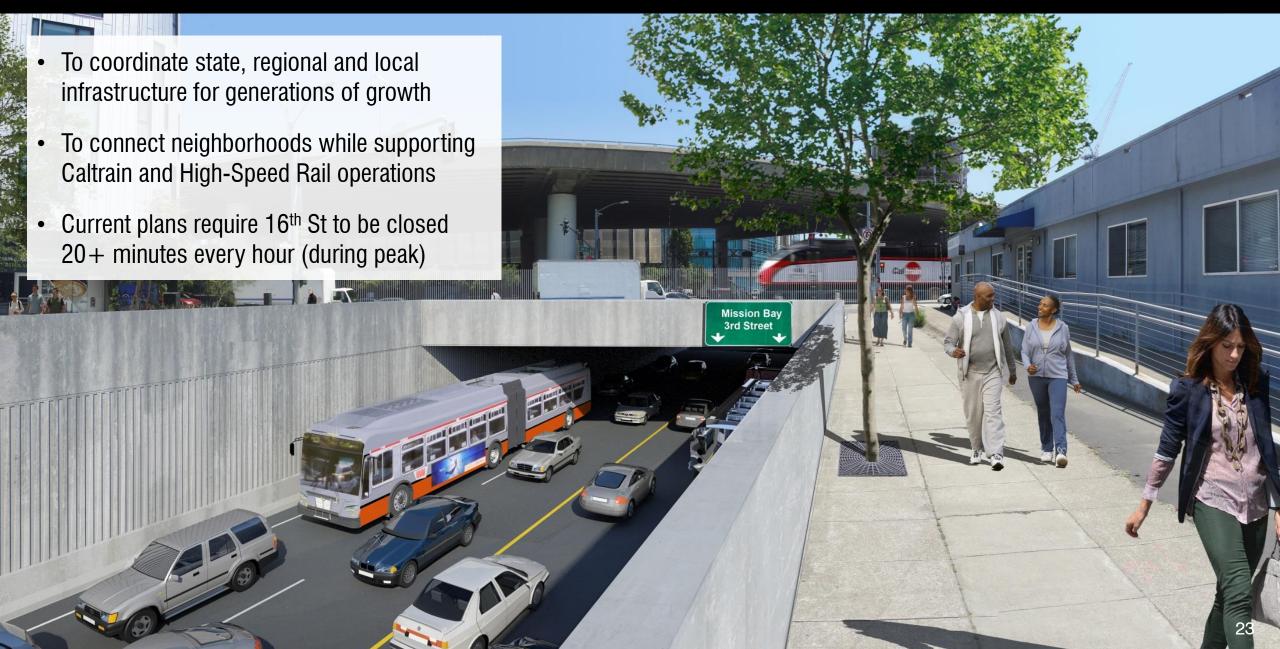
High Speed Rail (HSR)



Salesforce Transit Center



Why do we need this study?





Rail Alignments to Salesforce Transit Center

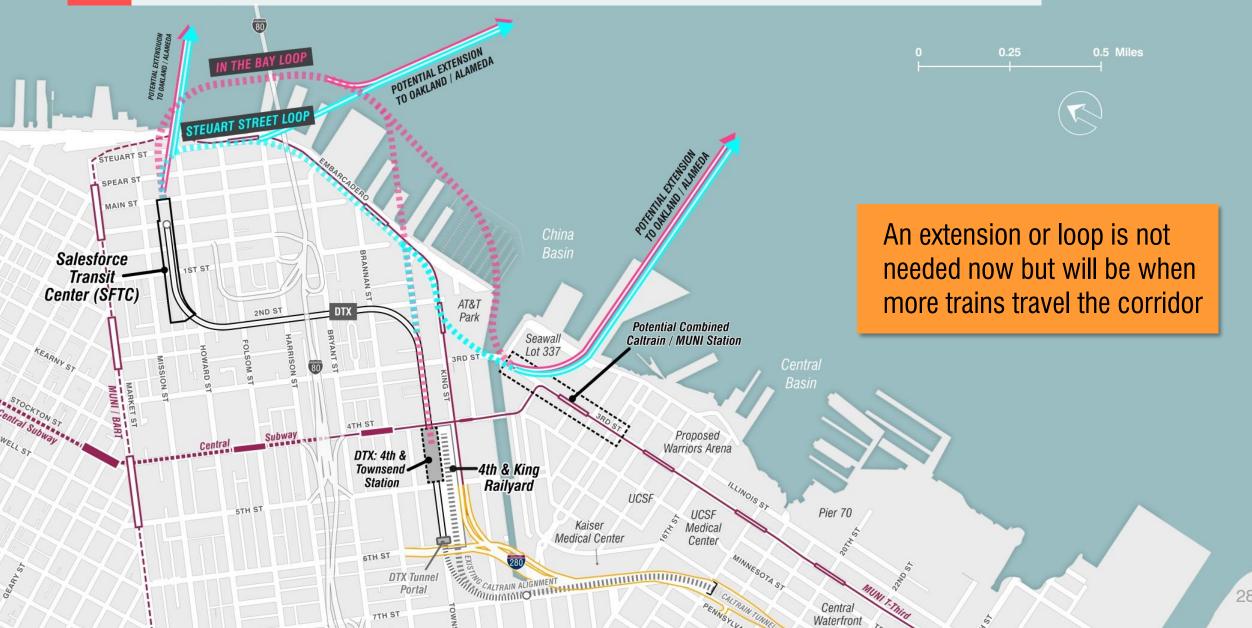




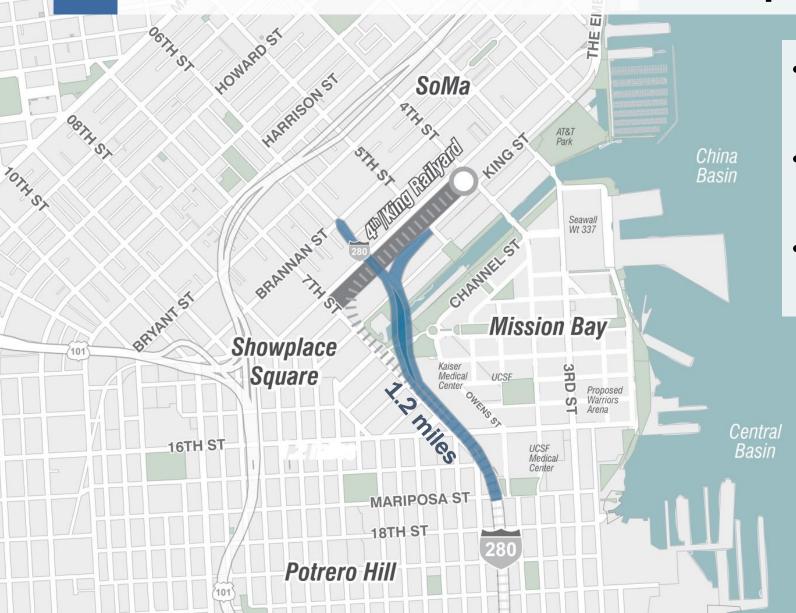


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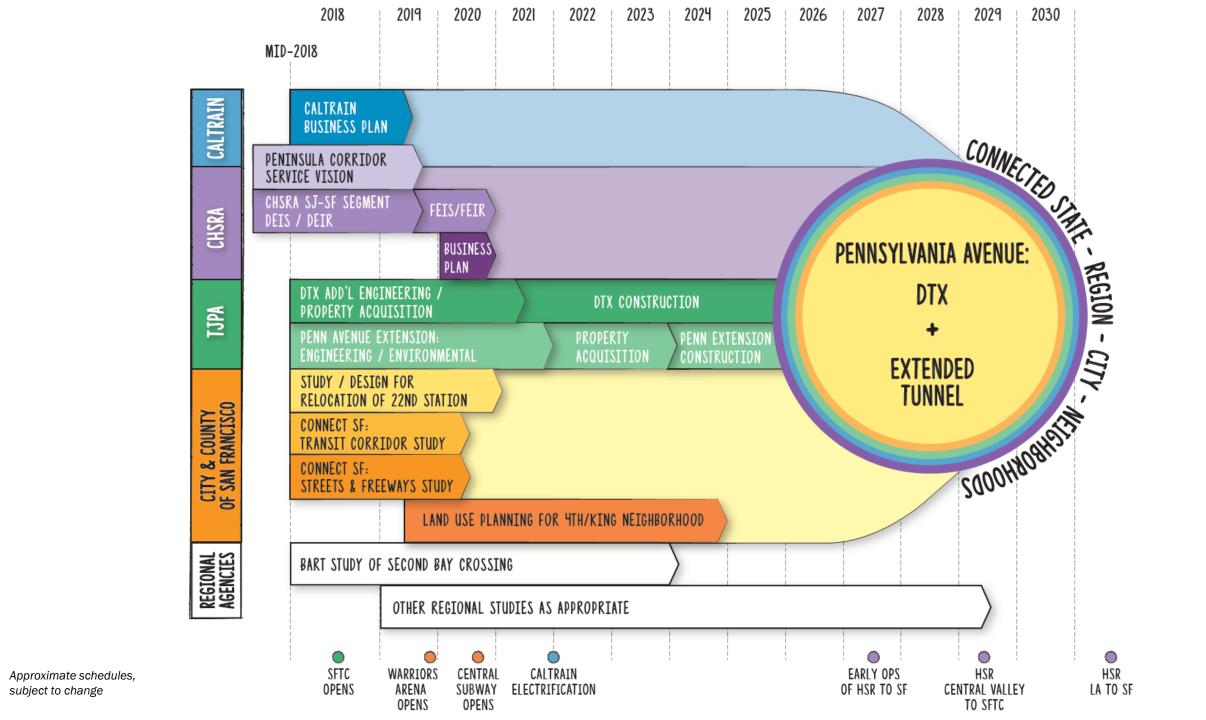
Transit Center (SFTC) Extension/Loop



Boulevard I-280: Does not Impact Rail Alignments



- Removing I-280 does not create new opportunities for rail
- No physical relationship to other components
- Removing I-280 requires much longer conversation with Caltrans



Problem: Megaprojects that Fail to Offer the Full Range of Mobility, Economic Development, and Placemaking Benefits that they Could

Possible solutions

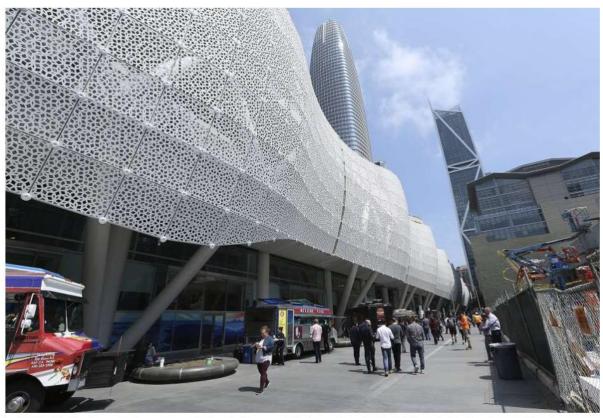
- A bigger role for one or more of the following:
 - Cities
 - Regional government
 - State government
- Creation of project-specific entities that are set up to foster multimodal integration and maximize both transportation and city-building benefits

San Francisco Chronicle

OPINION // OPEN FORUM

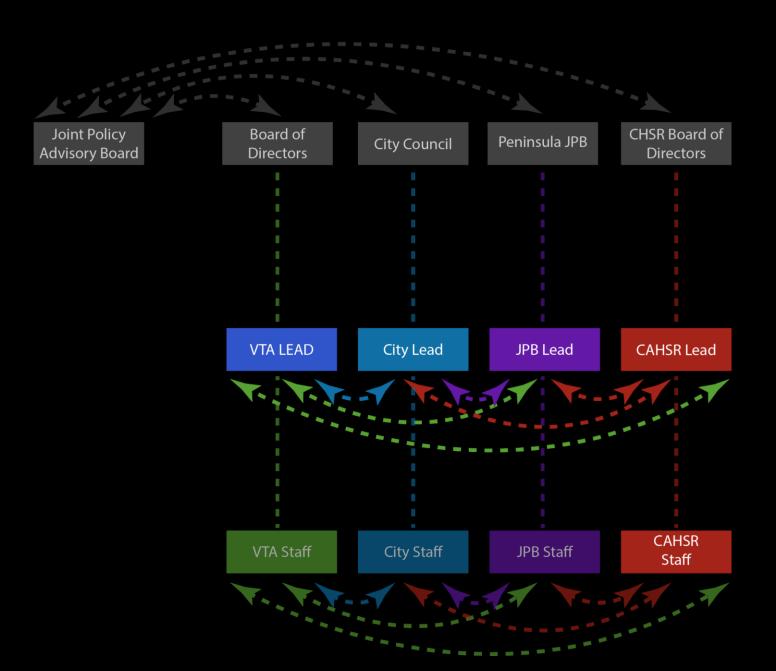
Don't despair over Transbay Transit Center cracks: Fix how we do megaprojects

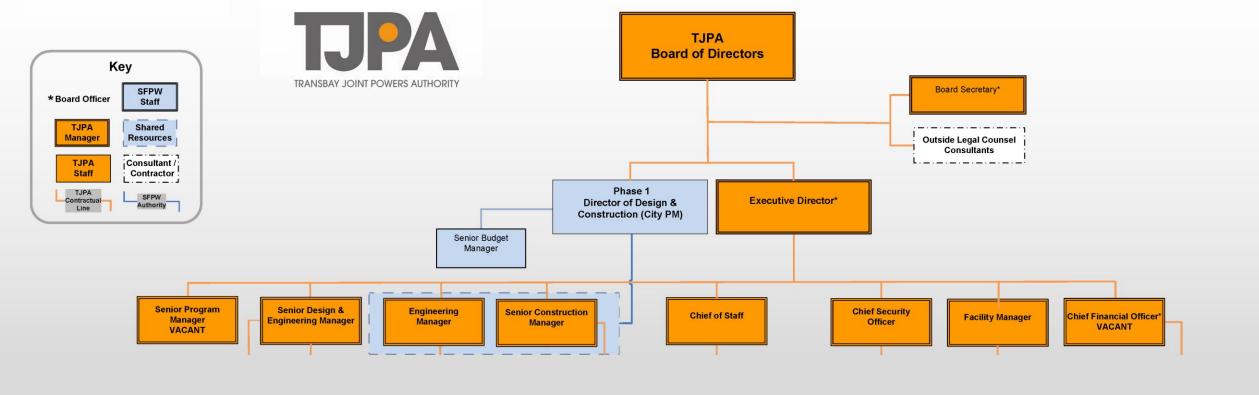
By Gabriel Metcalf and Ratna Amin Oct. 4, 2018



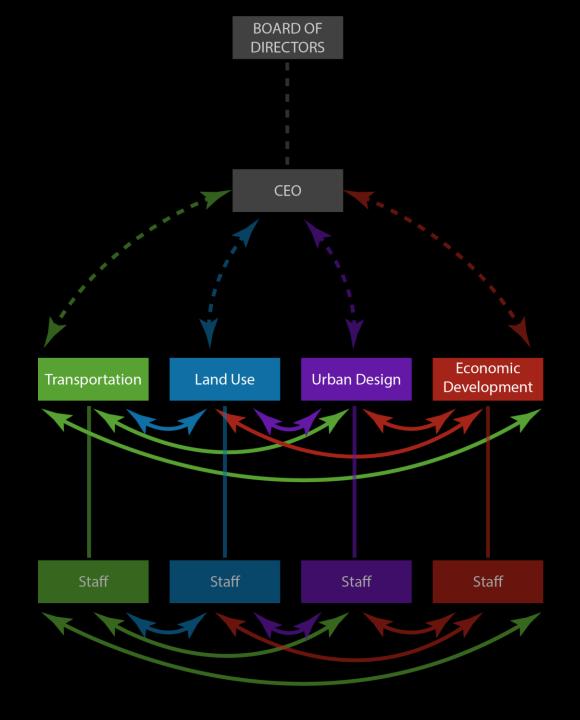
FILE - In this file photo taken Aug. 15, 2018, food trucks line up outside the new Transbay Transit Center in San Francisco. San Francisco officials shut down the city's \$2.2 billion transit terminal Tuesday, Sept. 25, 2018, after a crack was found in a steel beam. (AP Photo/Lorin Eleni Gill, File)

The way in which we currently work together





French Station Area Governance Entities



Questions

- How can cities focus both on the needs of global investors and local residents (i.e. have a 'glocal' focus)?
- How can projects serve the needs of broad geographies (i.e. region or state) while also furthering the place-making goals of cities?
- What would an ideal governance entity for urban megaprojects look like?
 - How would it attract the necessary talent and have the wide array of inhouse skills that are necessary for building integrated "urban" projects?
 - What changes would need to be made to the model that has been employed until now for these types of projects in California, the JPA?

