RAILYARD ALTERNATIVES & I-280 BOULEVARD (RAB) FEASIBILITY STUDY PHASE I: PRELIMINARY OPTIONS ANALYSIS







WHAT IS THIS STUDY ABOUT?

CONSOLIDATE MULTIPLE STUDIES

COORDINATE PARTNER EFFORTS

PREPARE FOR UPCOMING PROJECTS

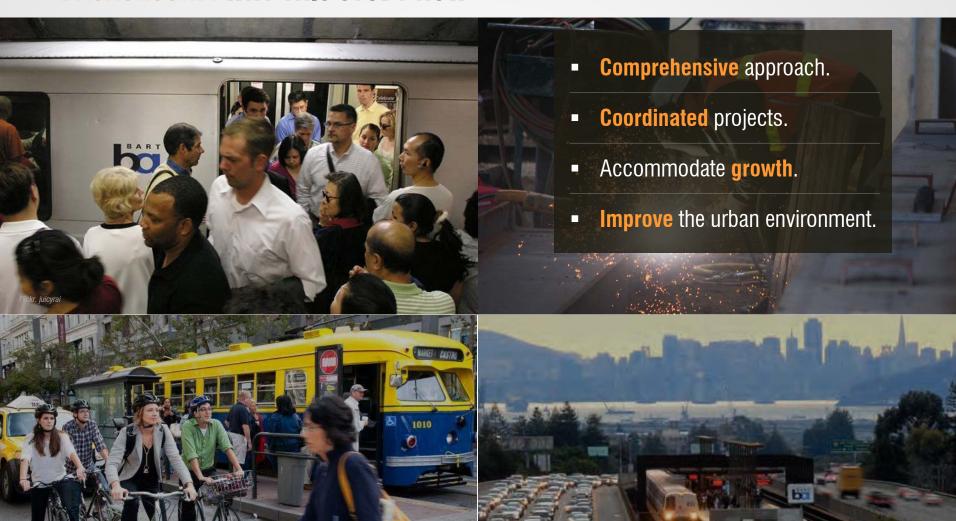
WHY IS IT IMPORTANT?

REGIONAL GROWTH

NEW INFRASTRUCTURE PLANNED

IMPROVE REGIONAL CONNECTIONS

BACKGROUND: WHY THIS STUDY NOW



BACKGROUND: WHY THIS STUDY NOW - MAJOR PIECES OF NEW INFRASTRUCTURE PLANNED





Potential Grade-Separation of 16th Street

Potential Grade-Separation of Mission Bay Drive



Source: CHSRA, 2010

CHALLENGES THAT FACE SAN FRANCISCO

COORDINATE PARTNER EFFORTS

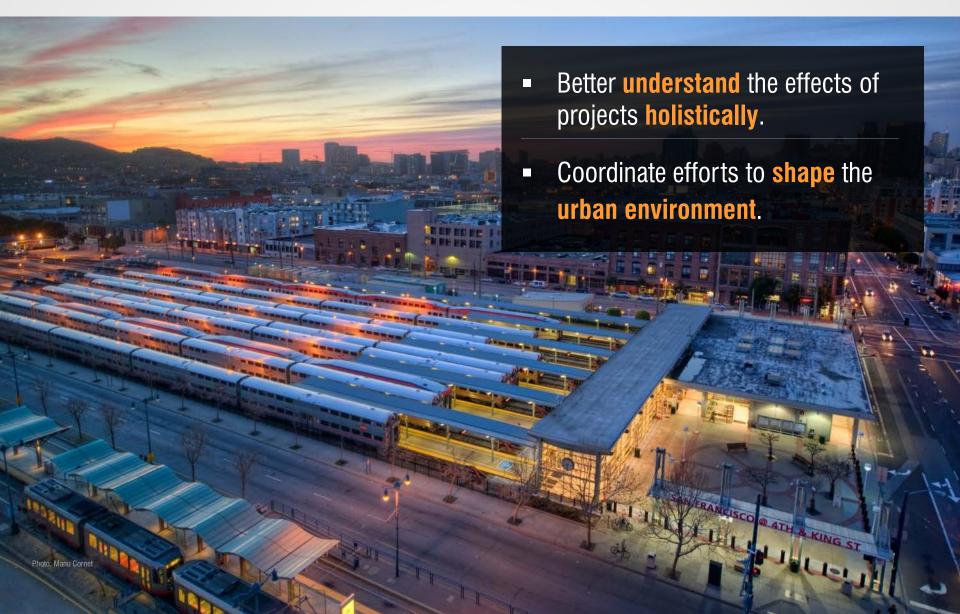
KNIT TOGETHER CITY FABRIC

IMPROVE LOCAL AND REGIONAL CONNECTIONS

CONSIDERATION OF BENEFITS/IMPACTS

OPPORTUNITIES FOR HOUSING, OPEN SPACE, AND JOBS

STUDY GOALS





RAB STUDY COMPONENTS

- 1. DOWNTOWN RAIL EXTENSION (DTX) ALIGNMENT
- 2. TRANSBAY TRANSIT CENTER LOOP
- 3. RAILYARD RECONFIGURATION/RELOCATION
- 4. BOULEVARD I-280
- 5. OPPORTUNITIES FOR THE PUBLIC'S BENEFIT



DOWNTOWN RAIL EXTENSION (DTX) VALUE ENGINEERING

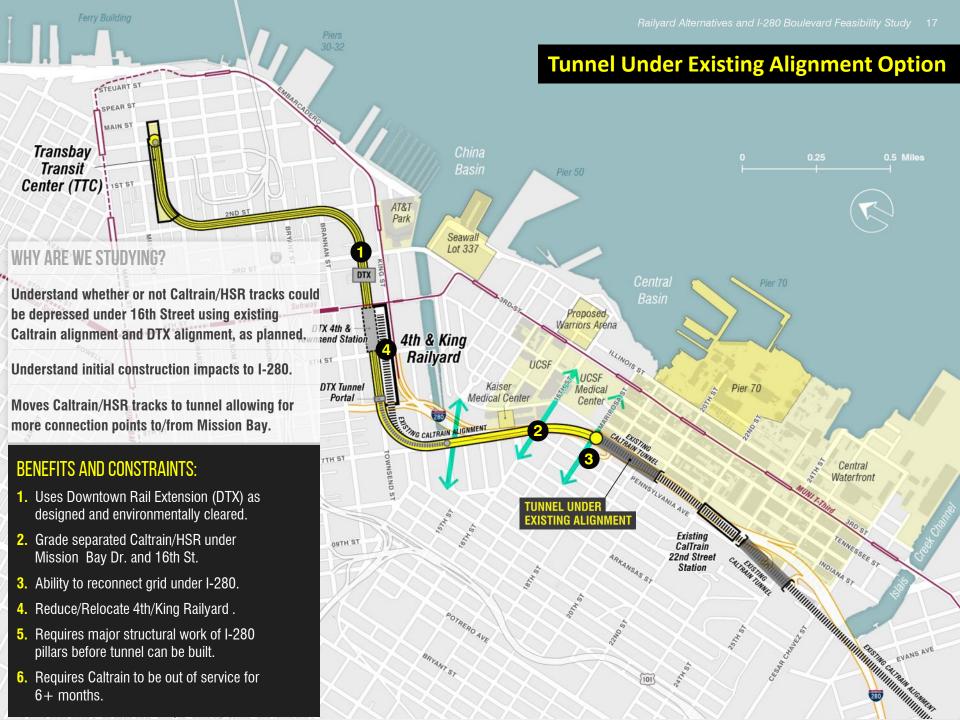


DOWNTOWN RAIL EXTENSION (DTX) VALUE ENGINEERING

OPTIONS FOR ALIGNMENT

- A. Baseline: Existing Alignment Plus Environmentally Cleared DTX A.2 SubOption: Reduced 4th/King footprint
- **B.** Tunnel Under Existing Alignment
- C. Pennsylvania Avenue
- D. Mission Bay (Third Street)

operations/storage/maintenance.



Mission Bay (Third Street) Alignment Option

Transbay Transit Center (TTC) STEUART ST MISSION BAY (3RD ST) Transit AND ST WHY ARE WE STUDYING?

Understand potential improvements to MUNI and other alternative mode connections

Understand how moving Caltrain/HSR tracks to tunnel could affect reconnection of street grid for more connection points to/from Mission Bay.

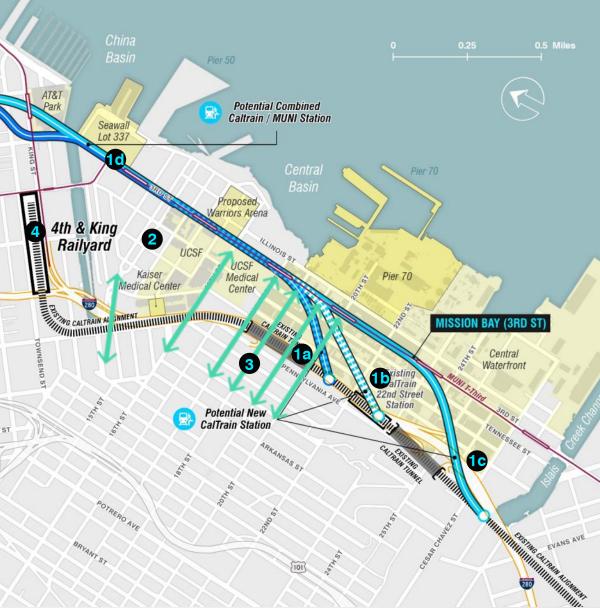
Serves new development in Mission Bay and Central Waterfront.

Can construct off-line of Caltrain operations.

Potential station locations/alignments are subject to further study. Station locations are shown for representation only and could be located anywhere along the line meeting design criteria (including tangent track lengths)

BENEFITS AND CONSTRAINTS:

- 1. New station(s) south of Mission Creek.
- 2. Access to Mission Bay.
- 3. Ability to reconnect grid under I-280.
- 4. Reduce/Relocate 4th/King Railyard.
- 5. Construct offline of Caltrain operations

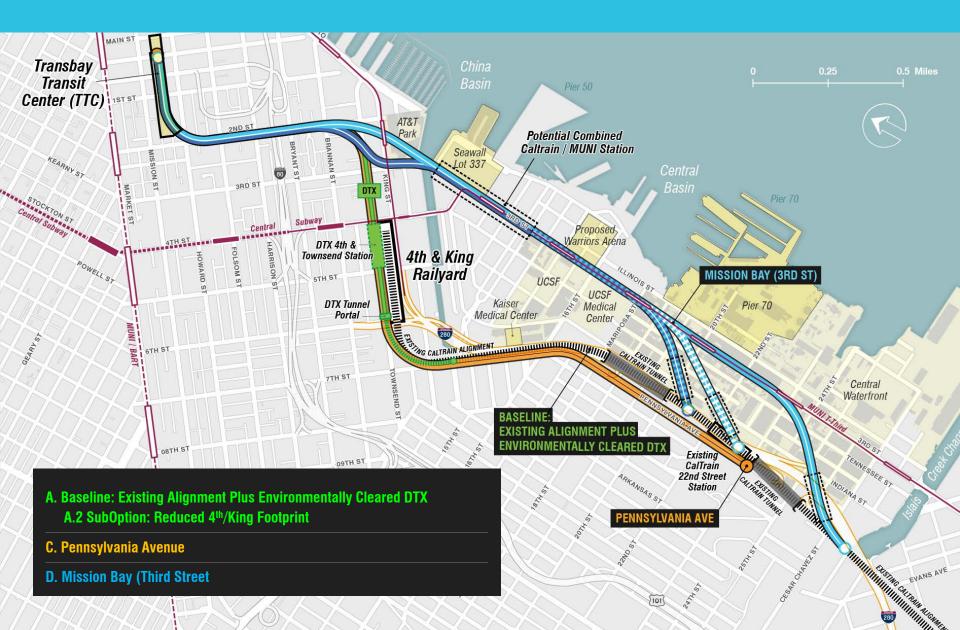


DOWNTOWN RAIL EXTENSION (DTX) VALUE ENGINEERING

SUMMARY: OPTIONS FOR ALIGNMENT MOVING FORWARD TO PHASE II

- A. Baseline: Existing Alignment Plus Environmentally Cleared DTX
 - A.2 SubOption: Reduced 4th/King footprint
- C. Pennsylvania Avenue
- **D. Mission Bay (Third Street)**

OPTIONS FOR ALIGNMENT MOVING FORWARD TO PHASE II



TRANSBAY TRANSIT CENTER LOOP

OPTIONS

- 1. Main Street Caltrain only
- 2. Spear Street Caltrain only
- 3. Steuart Street Caltrain & HSR
- 4. In the Bay Caltrain & HSR

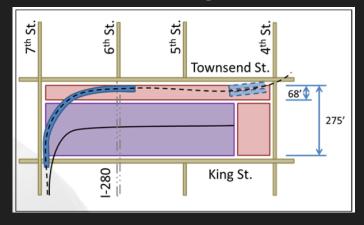
TRANSBAY TRANSIT CENTER LOOP

SUMMARY: OPTIONS MOVING FORWARD TO PHASE II

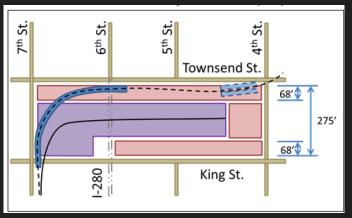
- 1. Main Street Caltrain only removed from further consideration
- 2. Spear Street Caltrain only removed from further consideration
- 3. Steuart Street Caltrain & HSR
- 4. In the Bay Caltrain & HSR

RAILYARD RECONFIGURATION/RELOCATION

If maintenance, storage, and operations remained at 4th/King after electrification



If maintenance and storage were relocated, but operations remained at 4th/King after electrification



2013 Caltrain completed a preliminary assessment of possible modified footprints at 4th/King at the request of San Francisco

Starting point for analysis

Assumes only Caltrain use of 4th/King.

Based on anticipated maintenance, storage, and operations AFTER electrification of Caltrain (anticipated December 2020).

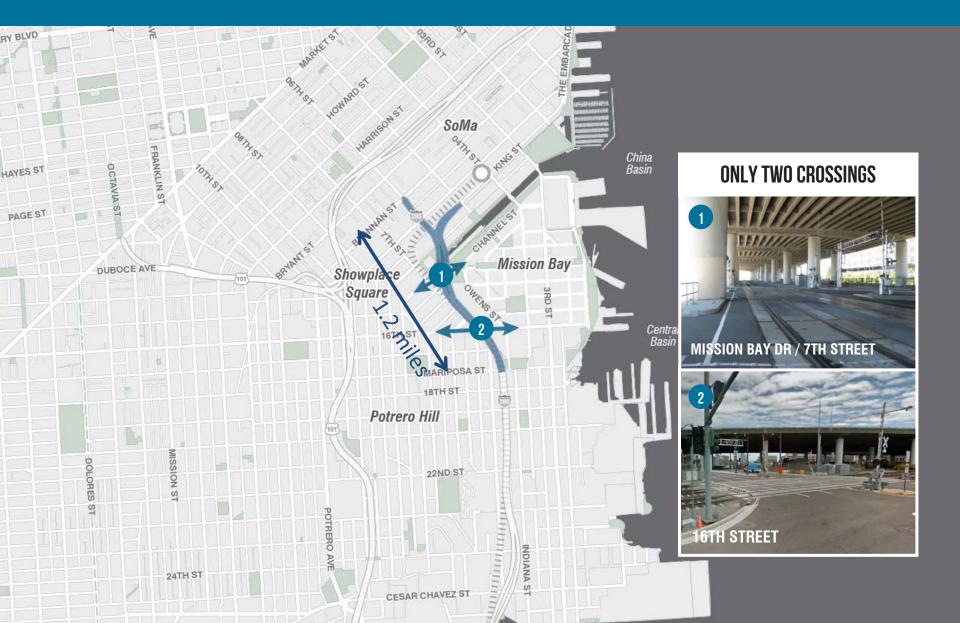
- Blue denotes the DTX alignment (in 2013)
- Purple denotes areas that would be needed for Caltrain use (min)
- Pink denotes areas that could be repurposed for other uses
- DTX alignment (in 2013)
- Minimum area needed for Caltrain use
- Available area for repurpose or other use

Source: Caltrain, 2013

RAILYARD RECONFIGURATION/RELOCATION



BOULEVARD I-280: EXISTING CONDITIONS



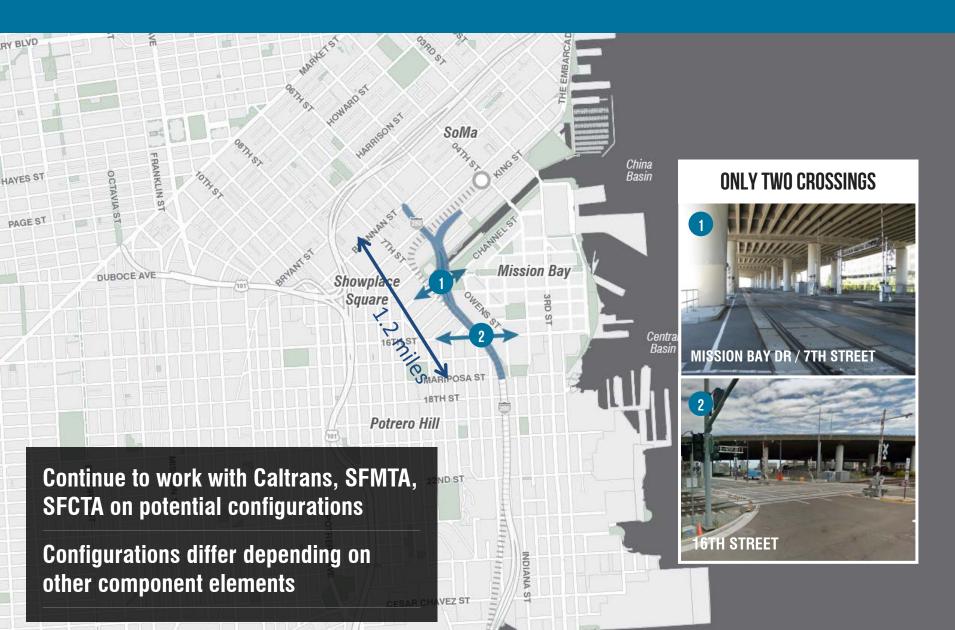
4. BOULEVARD I-280: WHY WOULD WE TAKE DOWN A FREEWAY







4. BOULEVARD I-280: SUMMARY



SUMMARY OF OPTIONS TO BE STUDIED IN PHASE II

1. DOWNTOWN RAIL EXTENSION (DTX) ALIGNMENT

- Three of the four alignments options moving forward
- Removed the "Tunnel under Existing Alignment" option

2. TRANSBAY TRANSIT CENTER LOOP

- Two of the four loop track options moving forward
- Removed the Main Street and Spear Street options

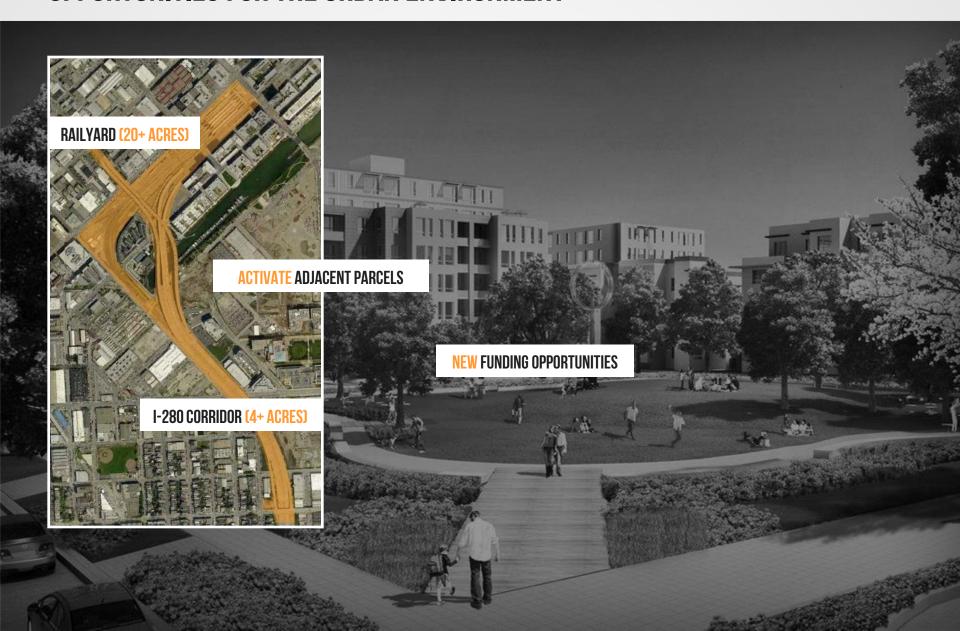
3. RAILYARD RECONFIGURATION/RELOCATION

 Continue to work with Caltrain and California High Speed Rail Authority (CHSRA) on possible reconfiguration/ relocation options

4. BOULEVARD I-280

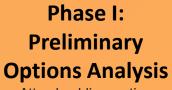
Continue to work with Caltrans, San Francisco Municipal Transportation Agency (SFMTA),
 San Francisco County Transportation Agency (SFCTA) on traffic operations

OPPORTUNITIES FOR THE URBAN ENVIRONMENT





COMMUNITY ENGAGEMENT — HOW CAN YOU PARTICIPATE?



Attend public meeting Fill out survey **Review handouts** Check website for updates www.sf-planning.org/rab

Completing Feb 2016

Combine Phase I options to analyze up to three refined options

Phase II: **Preliminary Alternatives**

Attend public and neighborhood meetings Creation of Citizen Advisory Group (CAG) Stay involved

9-12 months

WE ARE HERE



FOLLOW-ON PHASES

TIMELINE & NEXT STEPS

PHASE I -

Preliminary Options Analysis
June 2014-Feb 2016

PHASE II –

Alternatives Development 9-12 months

STAKEHOLDER BRIEFINGS UPON REQUEST

PUBLIC MEETING – Feb 2016
Preliminary Options Analysis
Public Input

PUBLIC MEETING – Anticipated Winter 2016 Finalize Alternatives Public Input

PUBLIC MEETING – Anticipated Fall 2016 Draft Alternatives Public Input

PHASE III –

Preferred Alternative 12-18 months

PHASE IV -

Environmental Phase (could be semi-concurrent with Phase III)

PHASE V – Funding and Implementation

STAKEHOLDER BRIEFINGS UPON REQUEST

PUBLIC MEETINGS at key milestones

THANK YOU

www.sf-planning.org/rab

Study Manager Susan Gygi, PE



