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





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



# **BACKGROUND: CALIFORNIA HIGH SPEED** RAIL AUTHORITY (CHSRA) — **2016 DRAFT BUSINESS PLAN**

- Silicon Valley to Central Valley
  - Operational by 2025
  - San Jose North of Bakersfield
  - \$20.7Billion Fully Funded
- Extension to San Francisco and Bakersfield
  - Operational by 2025
  - Additional \$2.9Billion
- San Francisco LA/Anaheim
  - Operational by 2029





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



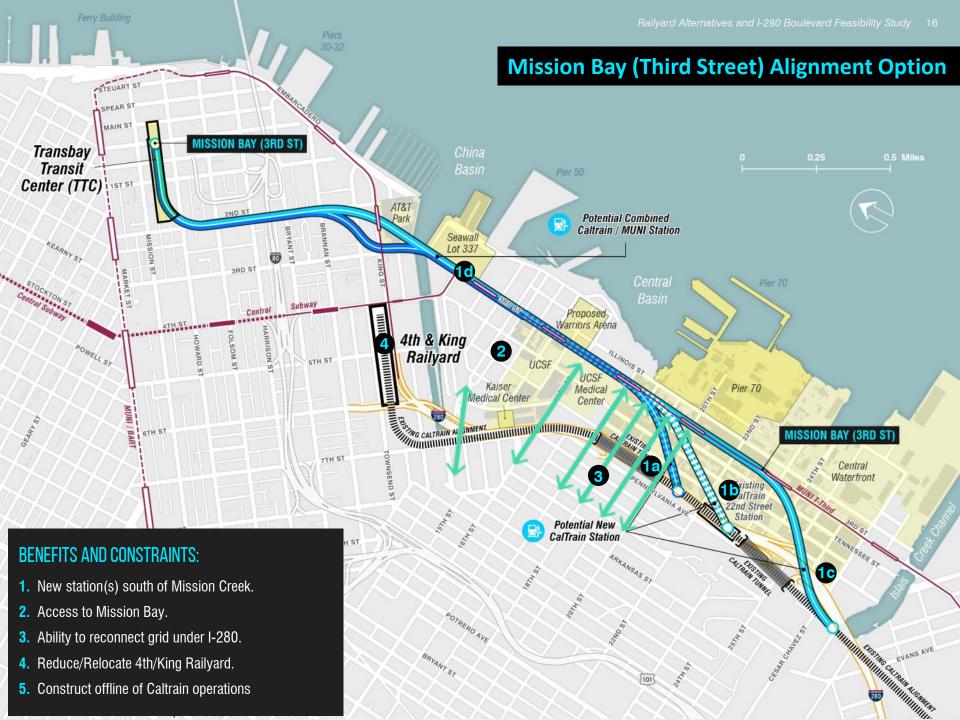
# 1. DOWNTOWN RAIL EXTENSION (DTX) ALIGNMENT - EXISTING



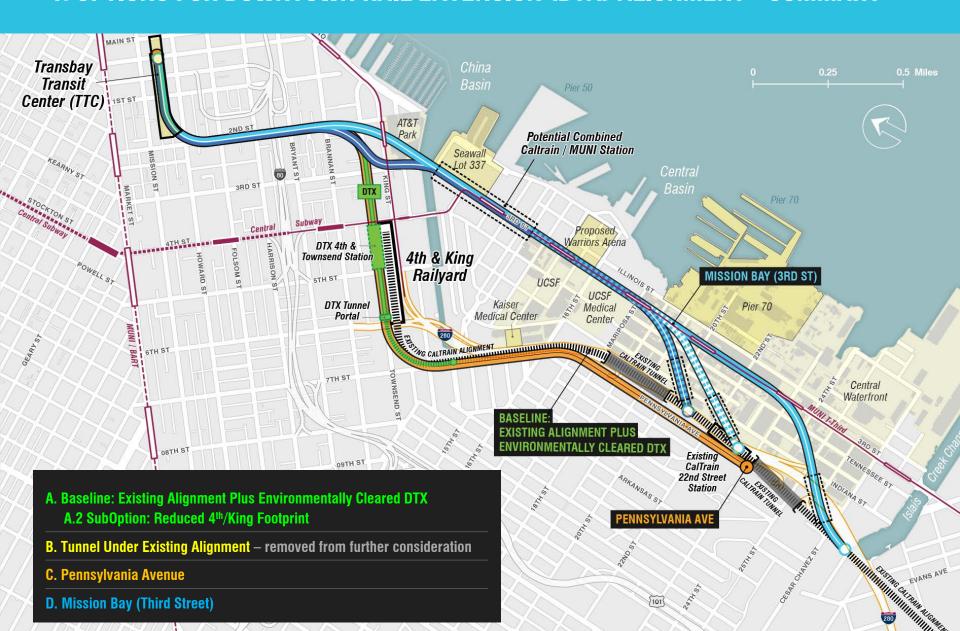
### 1. DOWNTOWN RAIL EXTENSION (DTX) ALIGNMENT

# OPTIONS FOR ALIGNMENT

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



# 1. OPTIONS FOR DOWNTOWN RAIL EXTENSION (DTX) ALIGNMENT - SUMMARY

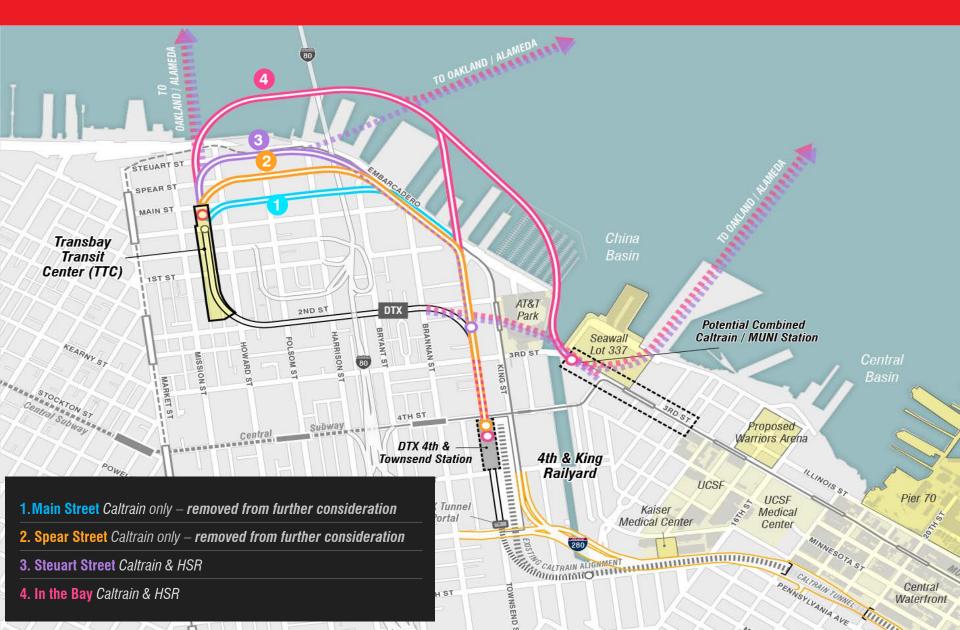


# 2. TRANSBAY TRANSIT CENTER LOOP

# **OPTIONS**

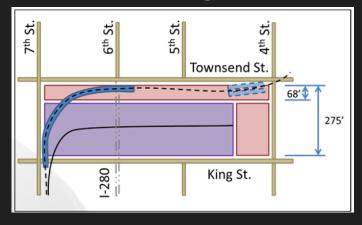
- 1. Main Street Caltrain only
- 2. Spear Street Caltrain only
- 3. Steuart Street Caltrain & HSR
- 4. In the Bay Caltrain & HSR

# 2. TRANSBAY TRANSIT CENTER LOOP - SUMMARY

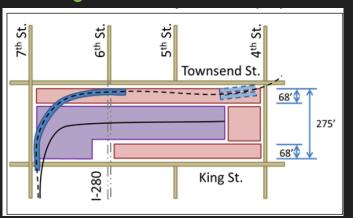


# 3. RAILYARD RECONFIGURATION/RELOCATION

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



If maintenance and storage were relocated, but operations remained at 4<sup>th</sup>/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)

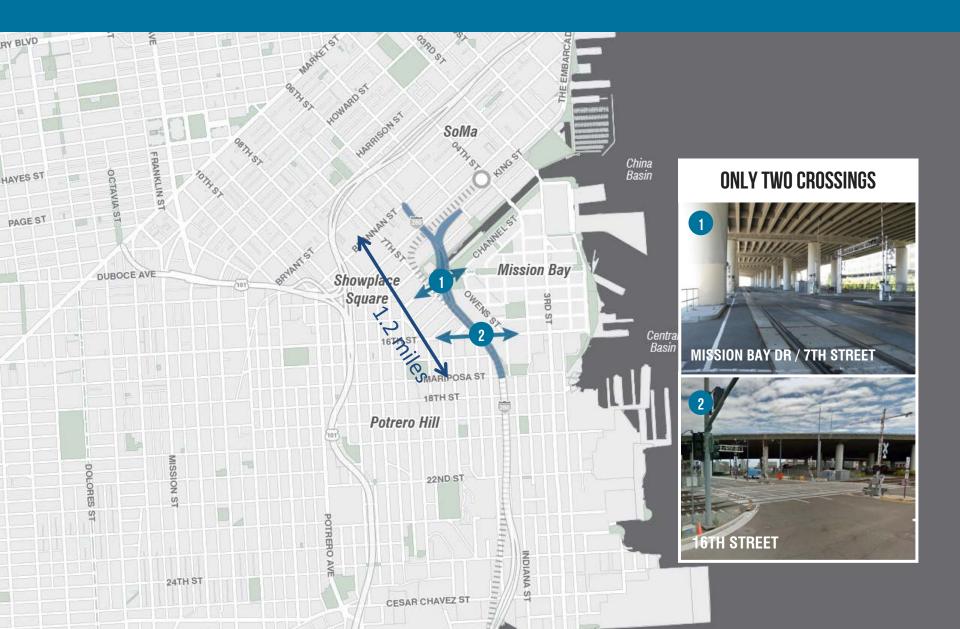
- Blue denotes the DTX alignment (in 2013)
- Purple denotes areas that would be needed for Caltrain use (min)
- Pink denotes areas that could be repurposed for other uses
- DTX alignment (in 2013)
- Minimum area needed for Caltrain use
- Available area for repurpose or other use

Source: Caltrain, 2013

# 3. RAILYARD RECONFIGURATION/RELOCATION



# 4. BOULEVARD I-280: EXISTING CONDITIONS



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







# 4. BOULEVARD I-280: SUMMARY

#### WHY ARE WE STUDYING?

Prioritize different modes on different streets.

Better connectivity.

Better urban form.

Continue to work with Caltrans, SFMTA, SFCTA on potential configurations

Configurations differ depending on other component elements



## SUMMARY OF OPTIONS TO BE STUDIED IN PHASE II

#### 1. DOWNTOWN RAIL EXTENSION (DTX) ALIGNMENT

- Three of the four alignment 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

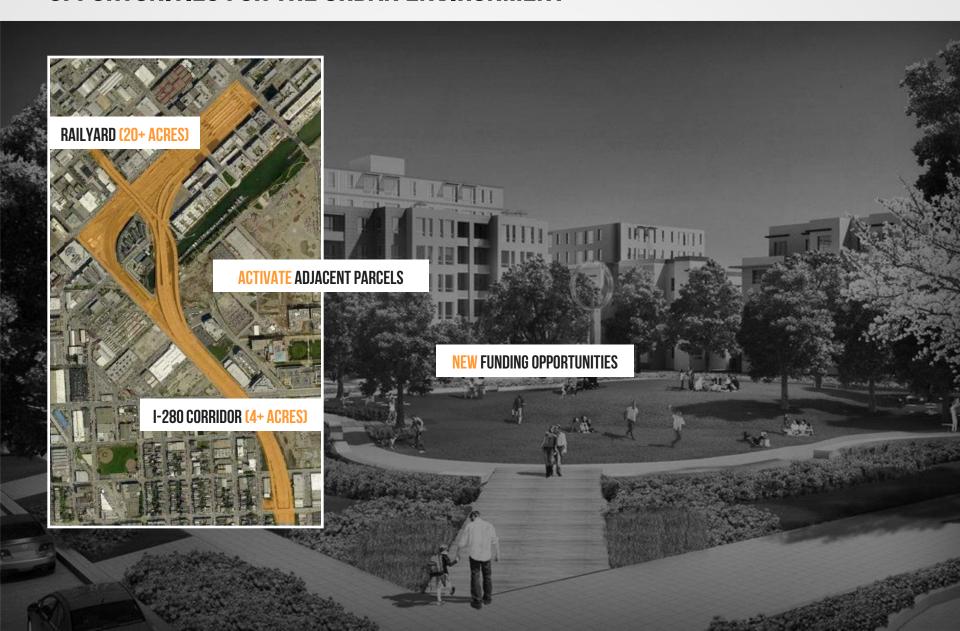
#### 3. RAILYARD RECONFIGURATION/RELOCATION

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

#### 4. BOULEVARD I-280

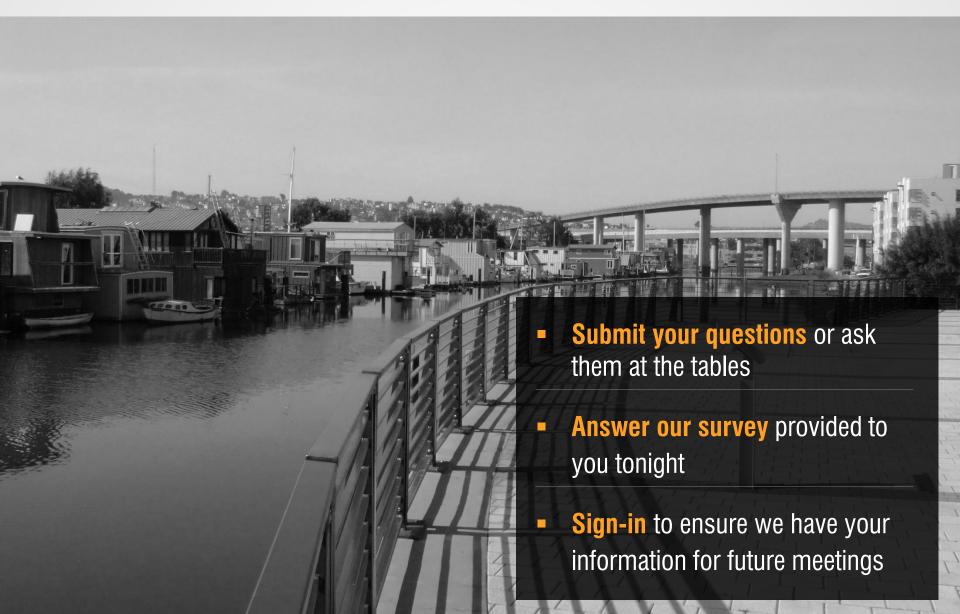
Continue to work with Caltrans, San Francisco Municipal Transportation Agency (SFMTA),
 San Francisco County Transportation Agency (SFCTA) on traffic operations

# **OPPORTUNITIES FOR THE URBAN ENVIRONMENT**





# **WE NEED YOUR FEEDBACK**



# **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 alternatives

#### 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** 

**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

**PUBLIC MEETING -**

#### STAKEHOLDER BRIEFINGS UPON REQUEST

**PUBLIC MEETINGS at key milestones** 

# THANK YOU

www.sf-planning.org/rab

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