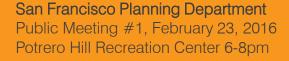
# RAILYARD ALTERNATIVES & I-280 BOULEVARD (RAB) FEASIBILITY STUDY PHASE I: PRELIMINARY OPTIONS ANALYSIS







#### WHAT IS THIS STUDY ABOUT?

**CONSOLIDATE MULTIPLE STUDIES** 

**COORDINATE PARTNER EFFORTS** 

PREPARE FOR UPCOMING PROJECTS

#### WHY IS IT IMPORTANT?

**REGIONAL GROWTH** 

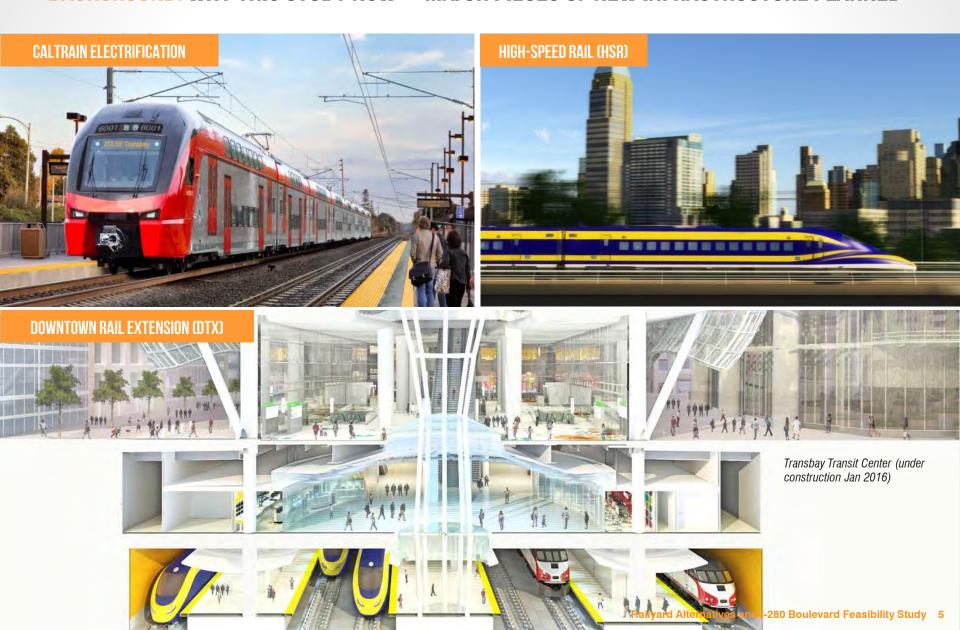
NEW INFRASTRUCTURE PLANNED

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** 

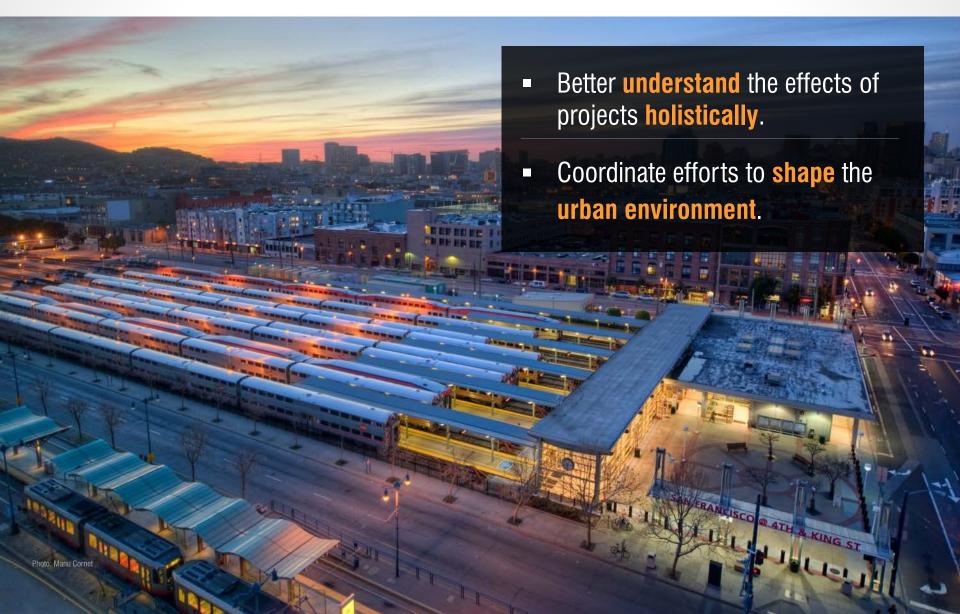
KNIT TOGETHER CITY FABRIC

IMPROVE LOCAL AND REGIONAL CONNECTIONS

CONSIDERATION OF BENEFITS/IMPACTS

OPPORTUNITIES FOR HOUSING, OPEN SPACE, AND JOBS

#### **STUDY GOALS**

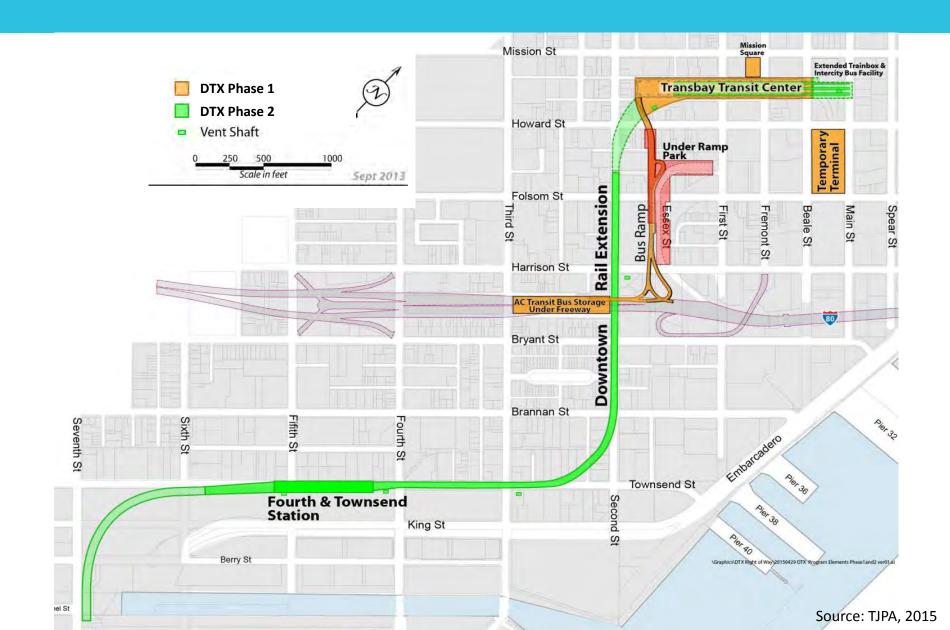




#### RAB STUDY COMPONENTS

- 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





- 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)

- 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)**

The state of the s

Existing

CalTrain 22nd Street

Understand if 4th/King railyard could operate on smaller

Provide baseline to compare other options with

Understand functions and needs at 4th/King railyard

ENVIRONMENTALLY CLEARED DTX

AT&T Park

> Seawall Lot 337

> > UCSF

Kaiser

Medical Center

4th & King

Railyard

Tracks at grade

south of this location

#### **BENEFITS AND CONSTRAINTS:**

STEUART ST

SPEAR ST

Transbay

Transit

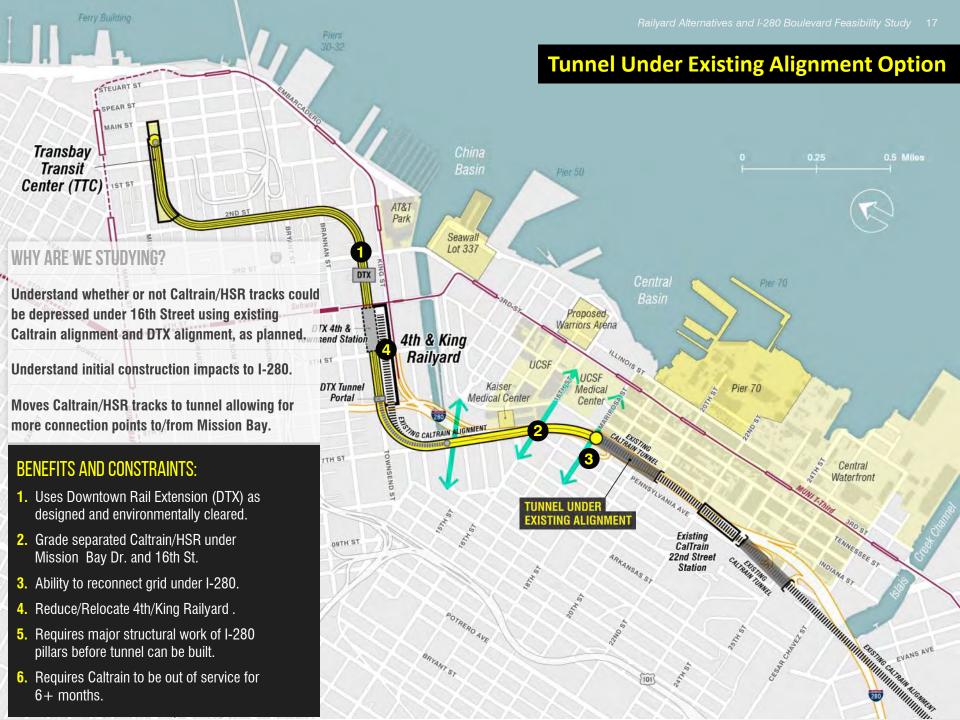
Center (TTC)

footprint.

WHY ARE WE STUDYING?

- 1. Uses Downtown Rail Extension (DTX) as designed and environmentally cleared.
- 2. Uses existing surface electrified Caltrain tracks under I-280 south of 18th St.
- 3. Allows for grade-separated Mission Bay Dri. and 16th St. with lowered streets in future.
- 4. Suboption: reduced use of 4th/King Railyard for operations/storage/maintenance.

- A. Baseline: Existing Alignment Plus Environmentally Cleared DTX
- **B. Tunnel Under Existing Alignment**
- C. Pennsylvania Avenue
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#### STEUART ST SPEAR ST ISSION BAY (3RD ST Transbay Transit Center (TTC) 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.

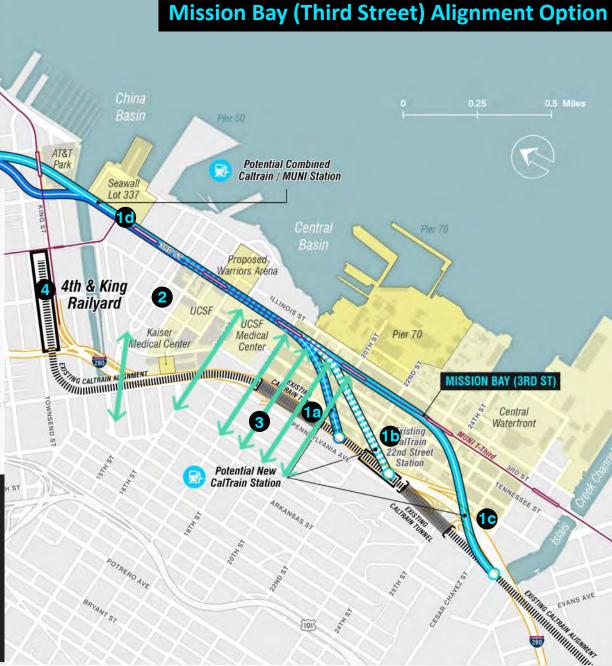
Serves new development in Mission Bay and Central Waterfront.

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:**

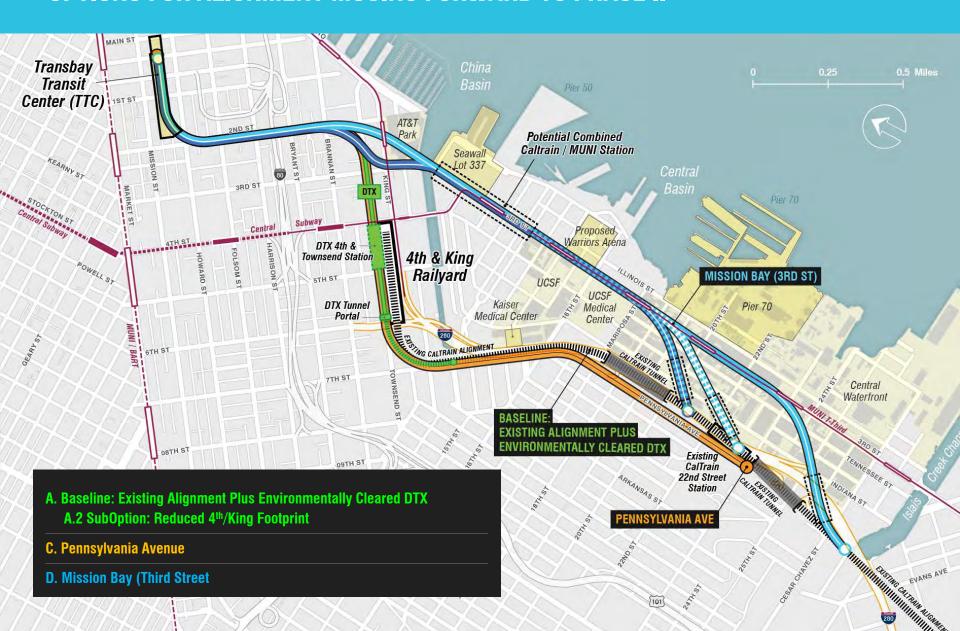
- 1. New station(s) south of Mission Creek.
- 2. Access to Mission Bay.
- 3. Ability to reconnect grid under I-280.
- 4. Reduce/Relocate 4th/King Railyard.
- **5.** Construct offline of Caltrain operations



#### 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)**

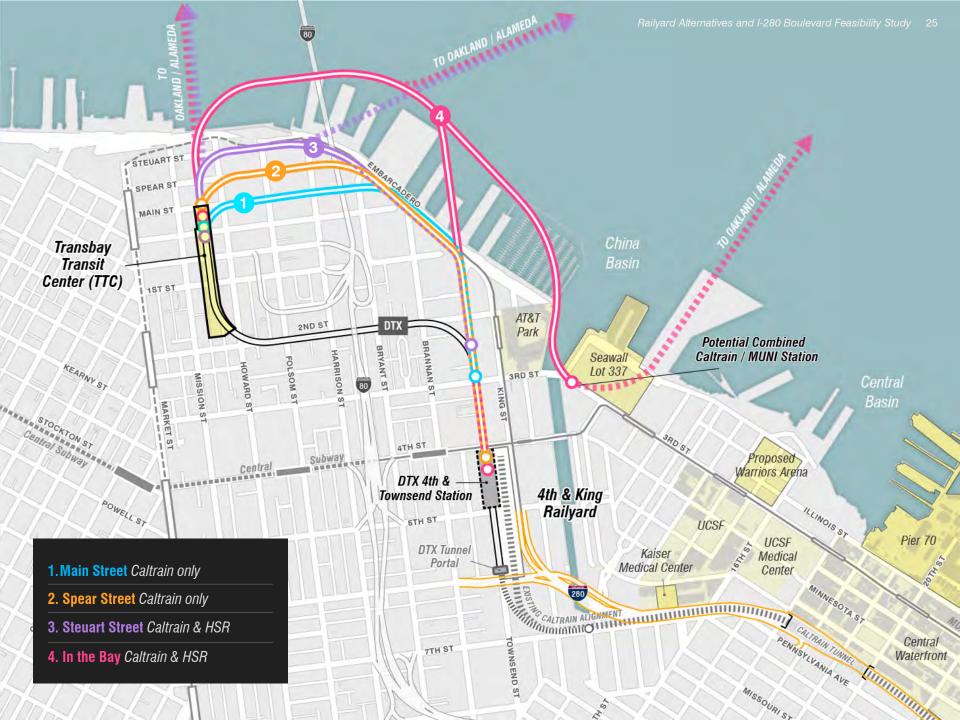
#### **OPTIONS FOR ALIGNMENT MOVING FORWARD TO PHASE II**



#### TRANSBAY TRANSIT CENTER LOOP

#### **OPTIONS**

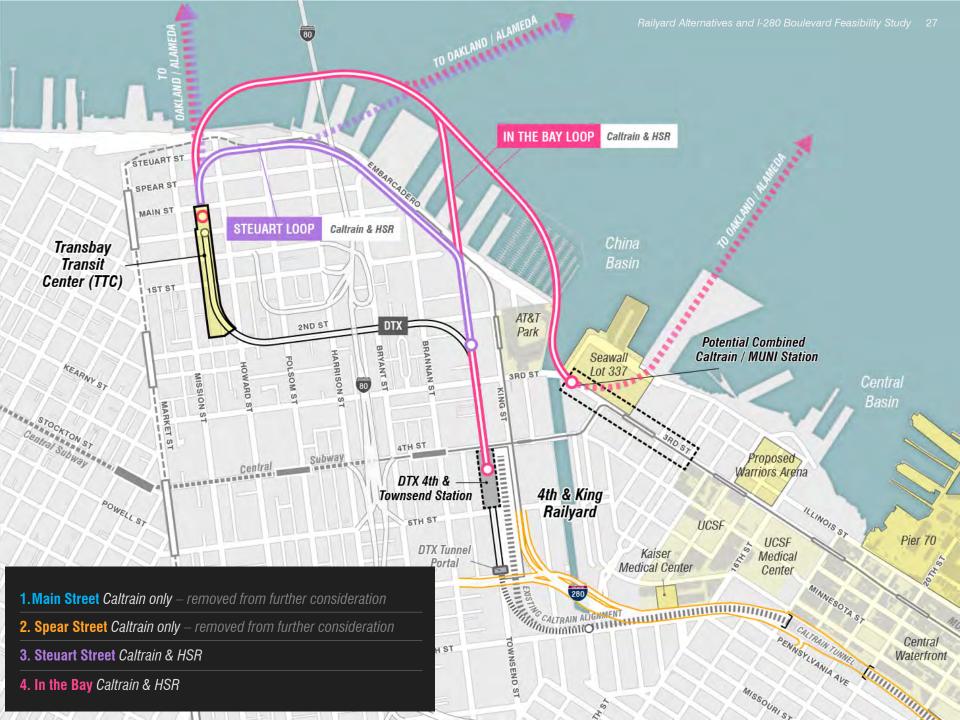
- 1. Main Street Caltrain only
- 2. Spear Street Caltrain only
- 3. Steuart Street Caltrain & HSR
- 4. In the Bay Caltrain & HSR



#### TRANSBAY TRANSIT CENTER LOOP

#### SUMMARY: OPTIONS MOVING FORWARD TO PHASE II

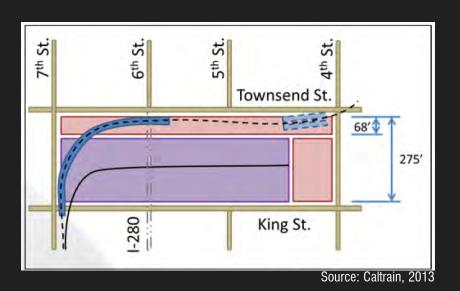
- 1. Main Street Caltrain only removed from further consideration
- 2. Spear Street Caltrain only removed from further consideration
- 3. Steuart Street Caltrain & HSR
- 4. In the Bay Caltrain & HSR



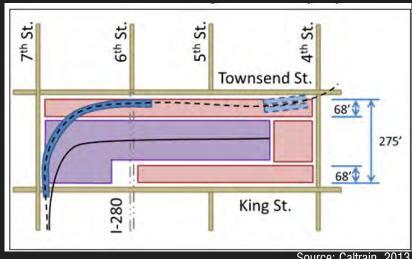
#### RAILYARD RECONFIGURATION/RELOCATION

#### PRELIMINARY OPTIONS

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



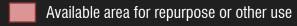
2. If maintenance and storage were relocated, but operations remained at 4th/King after electrification



Source: Caltrain, 2013

DTX alignment (in 2013)

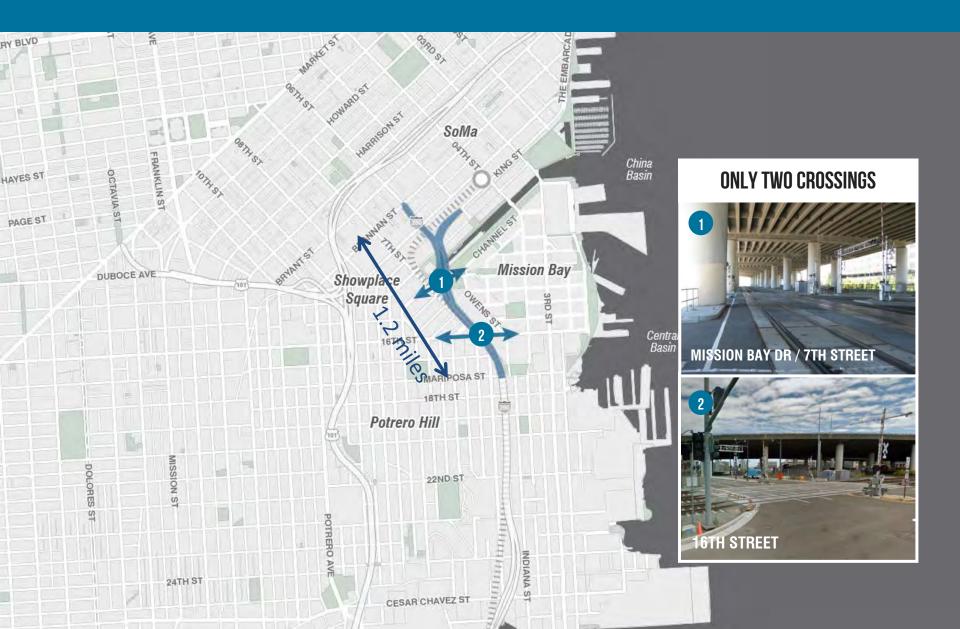
Minimum area needed for Caltrain use



#### RAILYARD RECONFIGURATION/RELOCATION



#### **BOULEVARD I-280: EXISTING CONDITIONS**



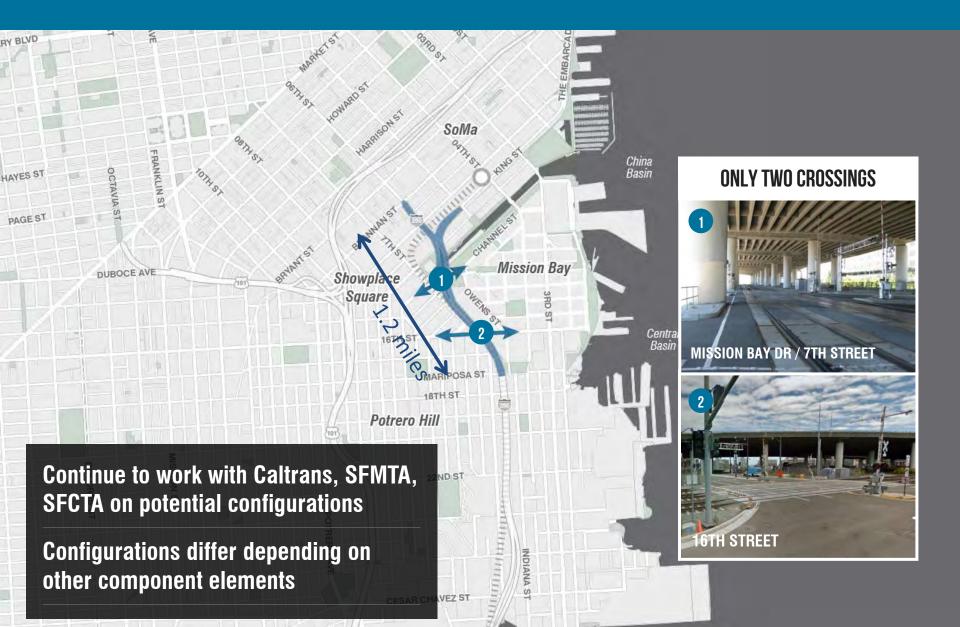
#### 4. BOULEVARD I-280: WHY WOULD WE TAKE DOWN A FREEWAY







#### 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

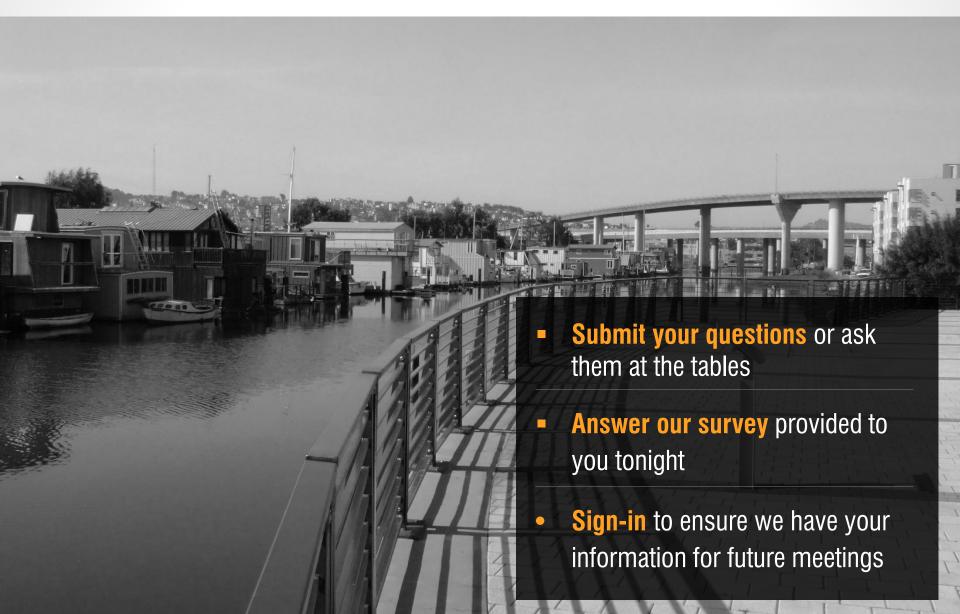
Continue to work with Caltrans, San Francisco Municipal Transportation Agency (SFMTA),
 San Francisco County Transportation Agency (SFCTA) on traffic operations

#### **OPPORTUNITIES FOR THE URBAN ENVIRONMENT**

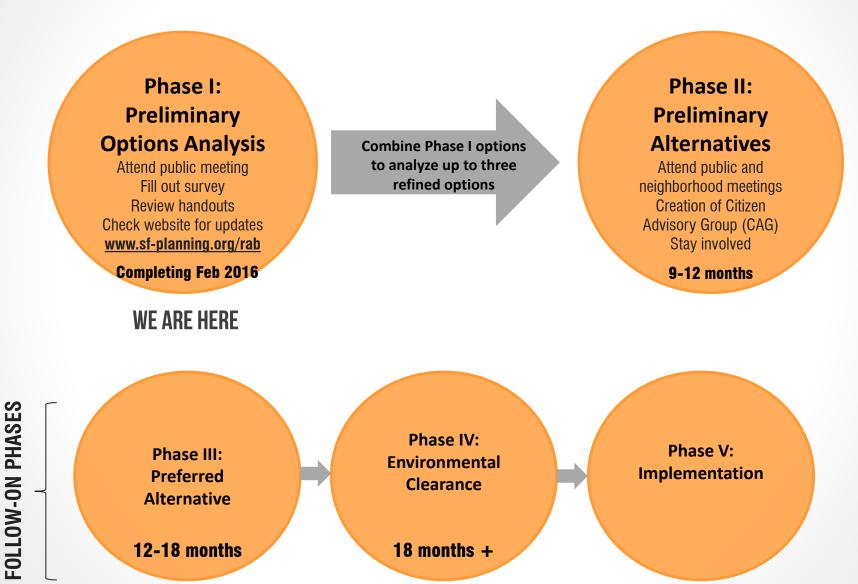




#### **WE NEED YOUR FEEDBACK**



#### **COMMUNITY ENGAGEMENT — HOW CAN YOU PARTICIPATE?**



## 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 Fall 2016
Draft Alternatives
Public Input

PUBLIC MEETING – Anticipated Winter 2016 Finalize 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



