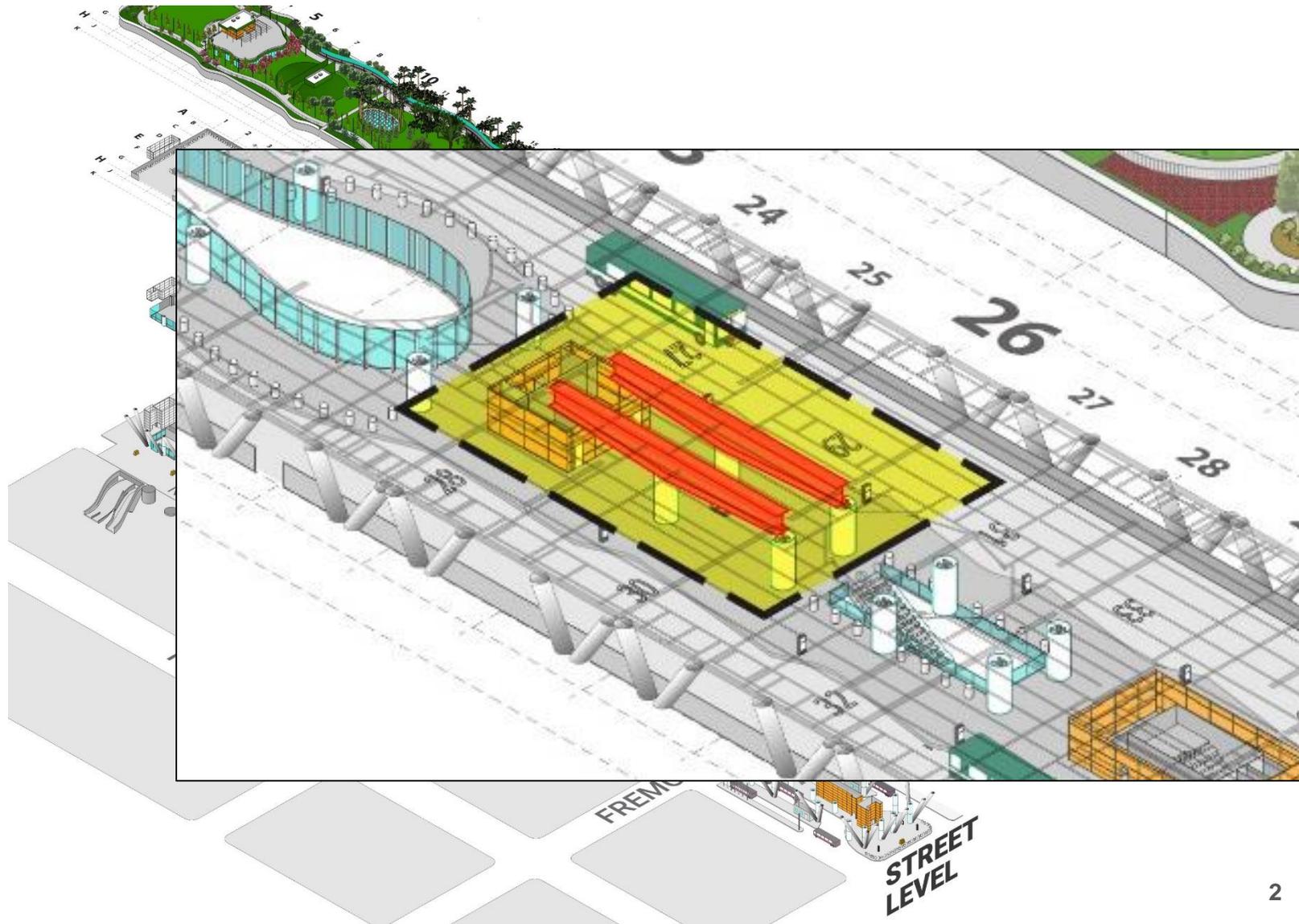


Update on the temporary closure of the Salesforce Transit Center

October 9, 2018



Isometric View



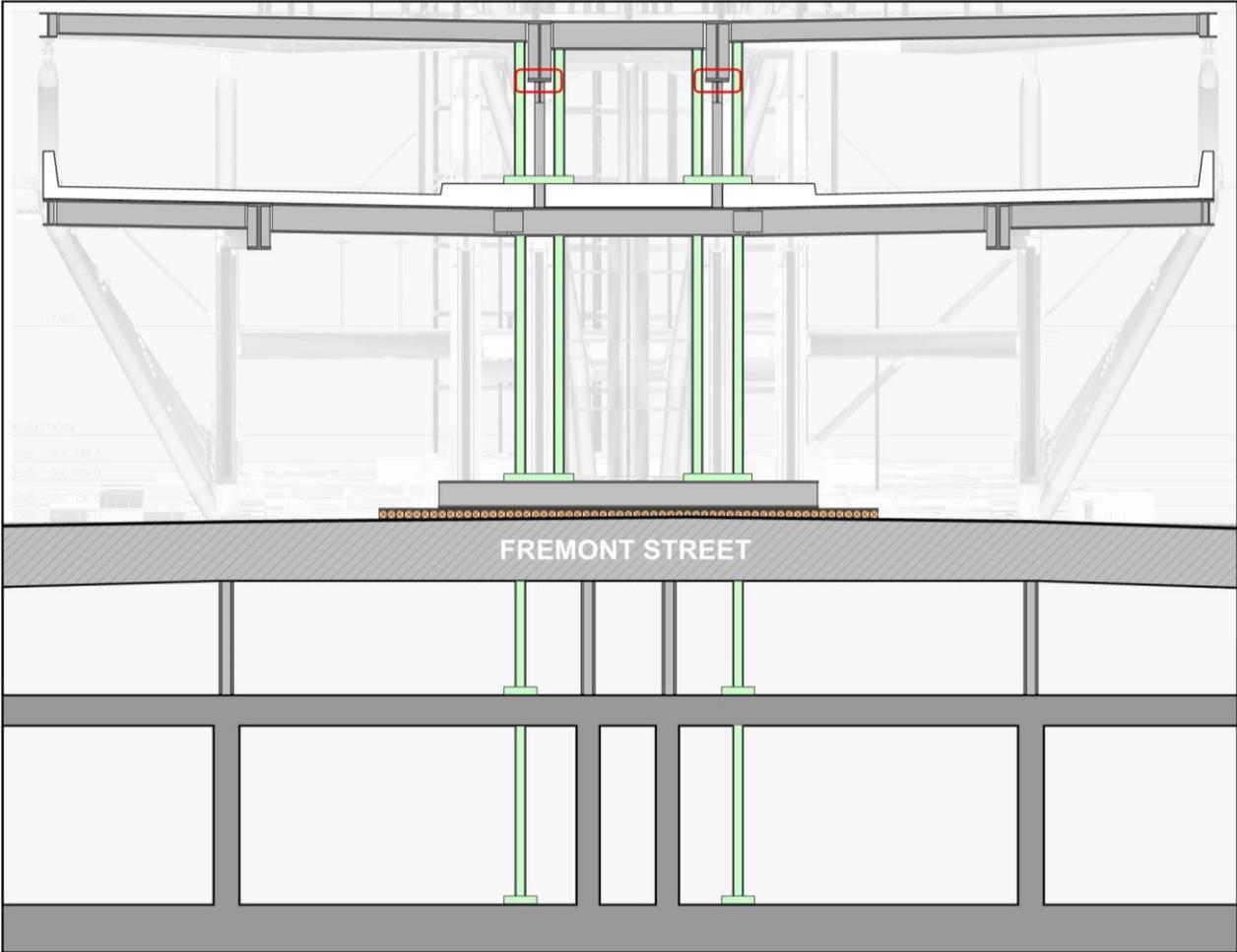
Hanger Beam



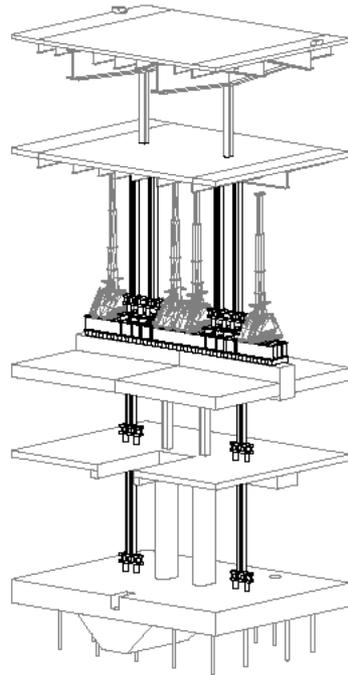
Fremont Street Temporary Support Initial Stabilization Removed - Phase 1



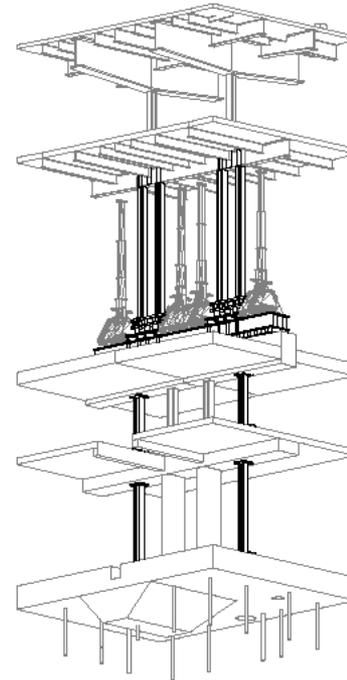
Fremont Street Temporary Support Schematic – Phase 2



Fremont Street Temporary Support Schematic – Phase 2



1 OVERALL 3D
S1-8105 SCALE:



2 OVERALL 3D FROM BELOW
S1-8105 SCALE:

Thornton Tomasetti
307 Wilshire Blvd., Suite 6480
Los Angeles, CA 90017-2018
T 213 390 7000 F 213 630 7001

OVERALL 3D VIEW

TRANSBAY TRANSIT CENTER

PROJECT NUMBER: SS8510.00 DATE: SCALE:

DRAWING NUMBER
S1-8105

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Fremont Street Temporary Support Phase 2 (Ground Level)



Fremont Street Temporary Support Phase 2 (Ground Level)



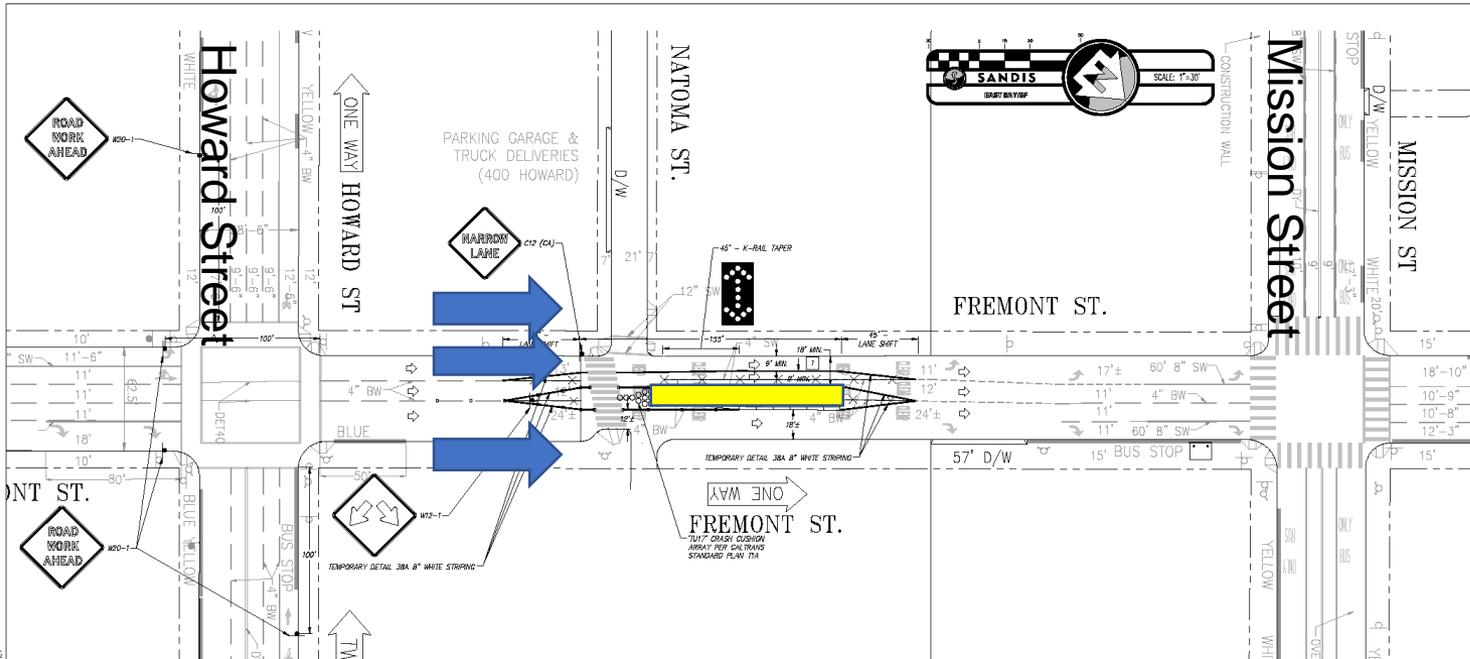
Fremont Street Temporary Support Phase 2 (Ground Level)



Fremont Street Temporary Support Phase 2 (Bus Deck Level)



Fremont Street Temporary Support Traffic Control Plan



GENERAL TRAFFIC CONTROL NOTES

1. CONTRACTOR SHALL PROVIDE EMERGENCY VEHICLE ACCESS AS REQUIRED.
2. CONTRACTOR SHALL POST TOW AWAY NO STOPPING SIGNS (TANS) WHERE APPLICABLE 72 HOURS IN ADVANCE OF IMPLEMENTING THIS TRAFFIC CONTROL PLAN.
3. TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 6 OF THE 2014 CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), CITY AND COUNTY OF SAN FRANCISCO REQUIREMENTS AND THE LATEST 3015 CALTRANS STANDARD PLANS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN DEVICES AS INDICATED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
5. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHOWN ON THIS PLAN SHALL BE RATED FOR NIGHT TIME USE.
6. ALL K-RAIL SHALL BE INSTALLED PER CALTRANS STANDARD PLAN T2A & T30. ALL K-RAIL SHALL BE STAKED PER TRAINING STAKING CONFIGURATION ADJACENT TO EXCAVATION" DETAIL ON CALTRANS STANDARD PLAN T38.

SHEET NOTES

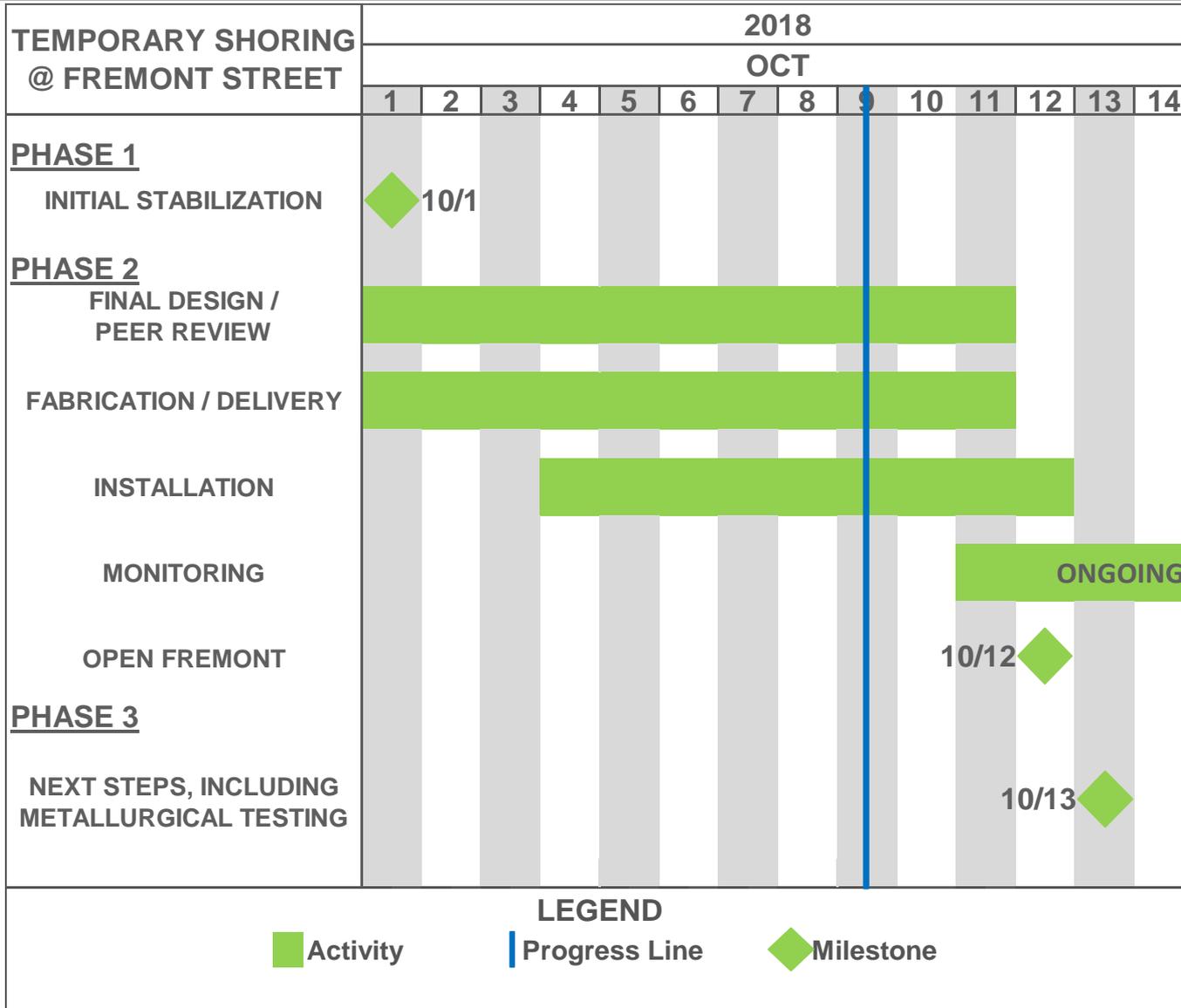
1. CONTRACTOR SHALL VERIFY THAT A MINIMUM OF 10' CLEAR SPACE IS AVAILABLE BETWEEN FACE OF CURB AND FACE OF K-RAIL. IF 10' MINIMUM IS NOT AVAILABLE CONTRACTOR SHALL NOTIFY ENGINEER.

**3 lanes (Same as existing)
2 through lanes on the left
1 through lane on the right**

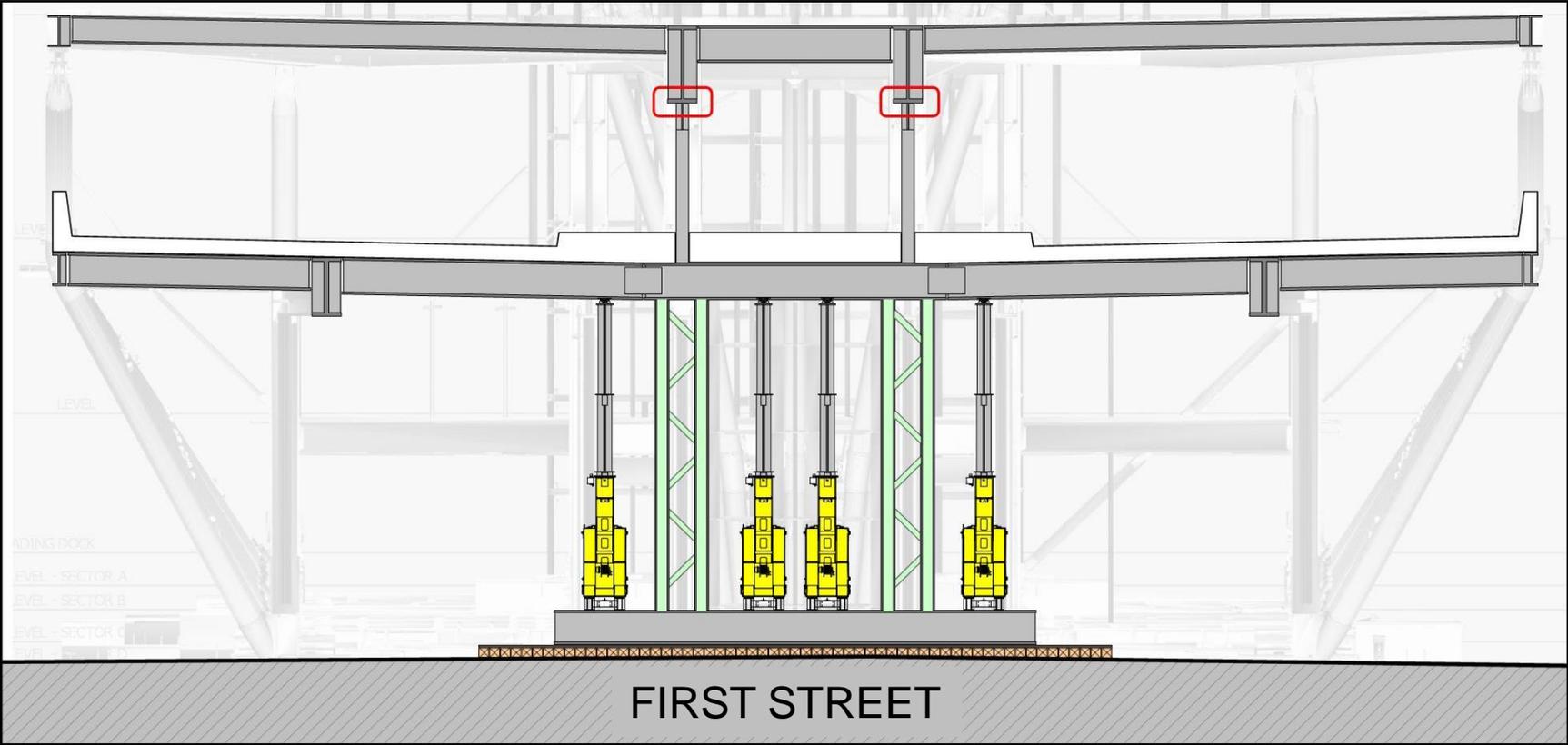
TJPA
 TRANSBAY JOINT POWERS AUTHORITY

 SANDIS
 PROJECT: **FREMONT STREET TRAFFIC CONTROL PLAN**
 APPROVAL: **WEBCOR**
 RECEIVED TO: **SEMA**
 DATE: _____ INITIAL: _____
 REVIEWED BY: _____ DATE: _____ INITIAL: _____
 REVIEWED BY: _____ DATE: _____ INITIAL: _____
 REVIEWED BY: _____ DATE: _____ INITIAL: _____
 DIVISION: _____ DATE: _____
 SCALE: 1"=30'
 DATE: 10/03/18
TRAFFIC CONTROL PLAN
TC-1

Fremont Street Schedule



First Street Temporary Support Schematic



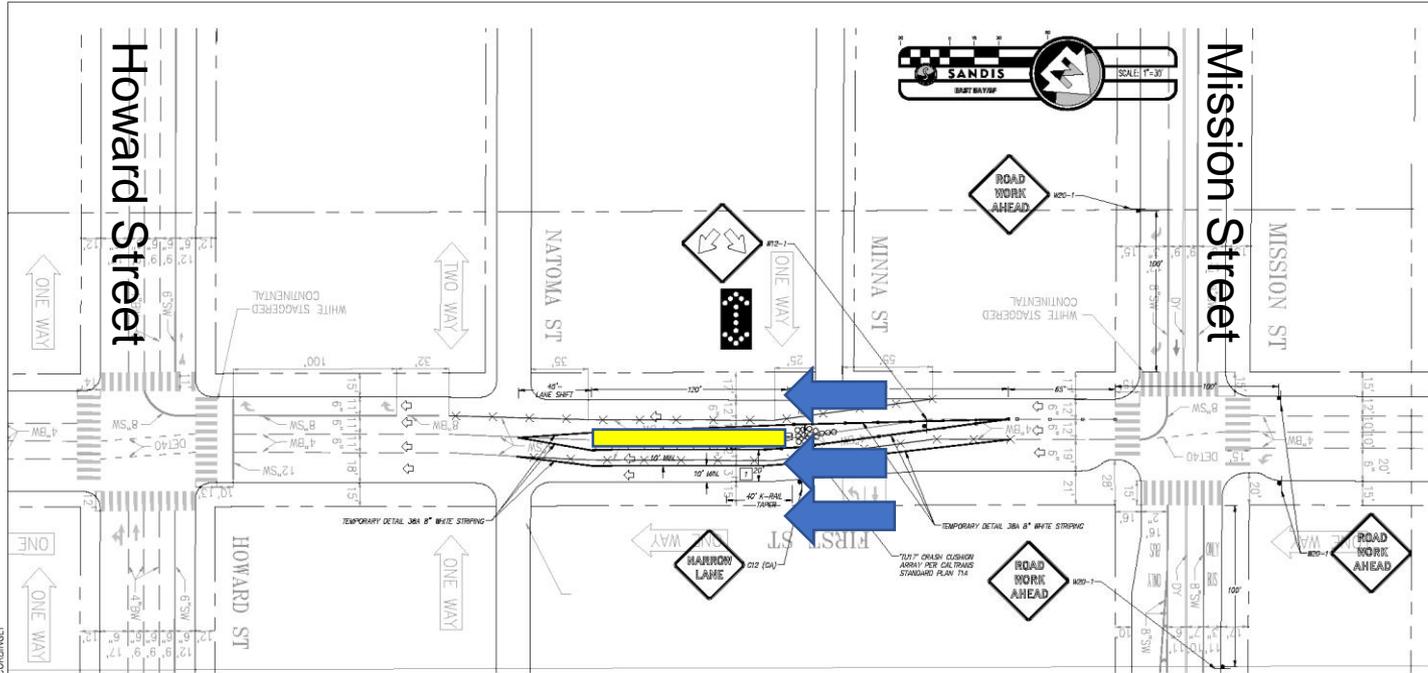
First Street Temporary Support Preparation



First Street Temporary Support Gantry Jacks installed



First Street Temporary Support Traffic Control Plan



IF THIS SHEET IS NOT 22"X34", IT IS A REDUCED PRINT - SCALE ACCORDINGLY

GENERAL TRAFFIC CONTROL NOTES

1. CONTRACTOR SHALL PROVIDE EMERGENCY VEHICLE ACCESS AS REQUIRED.
2. CONTRACTOR SHALL POST TOW AWAY NO STOPPING SIGNS (TAGS) WHERE APPLICABLE 72 HOURS IN ADVANCE OF IMPLEMENTING THIS TRAFFIC CONTROL PLAN.
3. TRAFFIC CONTROL DEVICES, SIGNS, AND METHODS SHALL ADHERE TO SECTION 8 OF 2014 CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), CITY AND COUNTY OF SAN FRANCISCO REQUIREMENTS AND THE LATEST CALTRANS STANDARD PLANS AND SPECIFICATIONS.
4. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN DEVICES AS INDICATED IN THE ENGINEER'S PLAN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
5. ALL TEMPORARY TRAFFIC CONTROL DEVICES SHOWN ON THIS PLAN SHALL BE RATED FOR NIGHT TIME USE.
6. ALL K-RAIL SHALL BE INSTALLED PER CALTRANS STANDARD PLAN T34 & T38. ALL K-RAIL SHALL BE STAKED PER TRAILING STAKING CONFIGURATION ADJACENT TO EXCAVATION DETAIL ON CALTRANS STANDARD PLAN T38.

SHEET NOTES

- 1. CONTRACTOR SHALL VERIFY THAT A MINIMUM OF 20' CLEAR SPACE IS AVAILABLE AT THE FACE OF CURB AND FACE OF K-RAIL IF 20' MINIMUM IS NOT AVAILABLE CONTRACTOR SHALL NOTIFY ENGINEER.

**3 lanes (Same as existing)
2 through lanes on the left
1 through lane on the right**

FIRST STREET TRAFFIC CONTROL PLAN

APPROVAL
WEBCOR

RECEIVED	DATE	INITIAL
TO SFMTA	_____	_____
TO W/O WITH SFMTA APPROVAL	_____	_____

SFMTA

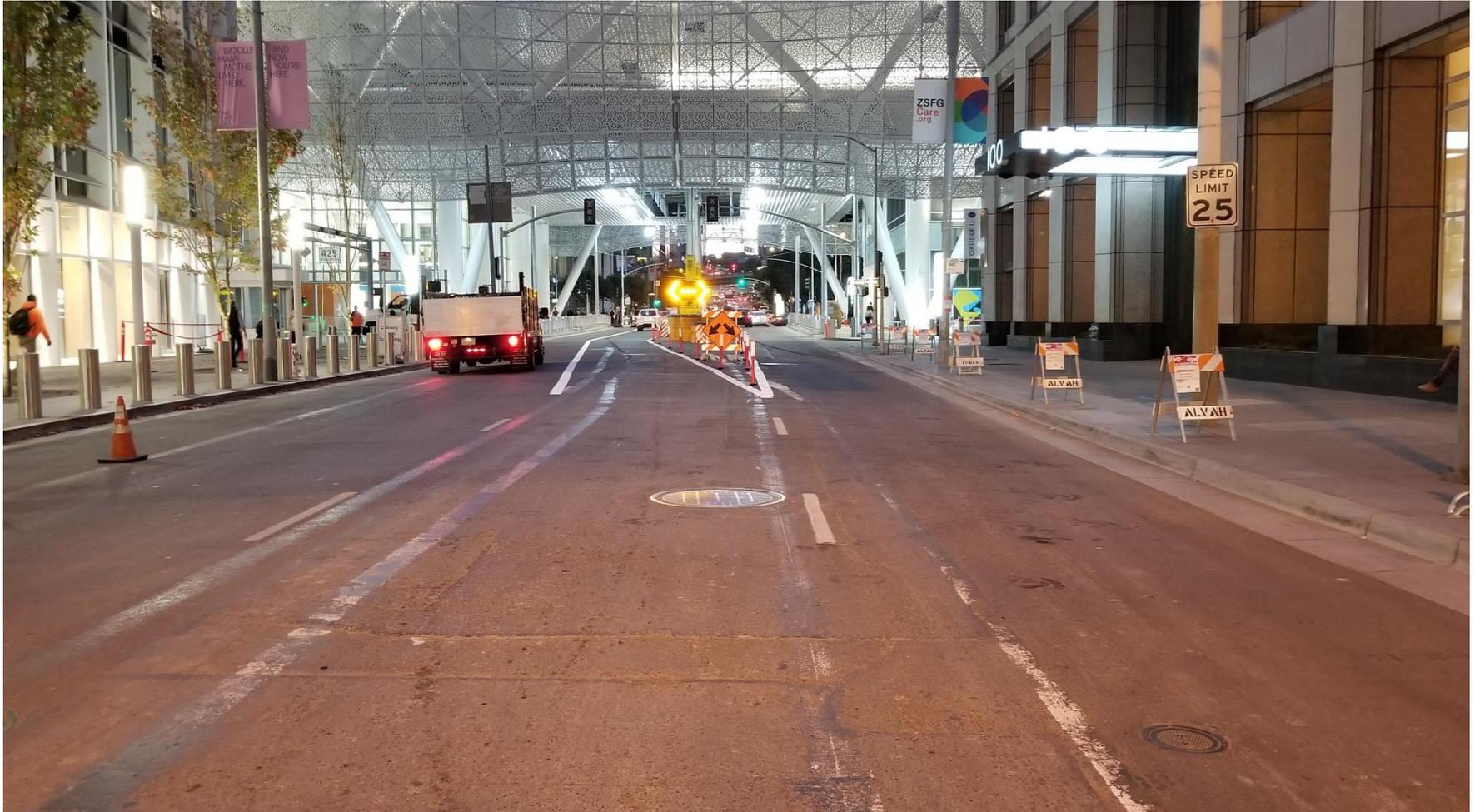
RECEIVED	DATE	INITIAL
ST REVIEW	_____	_____
NO REVIEW	_____	_____
APPROVAL	_____	_____
DATE	_____	_____

SCALE: 1"=30'
DATE: 10/05/18

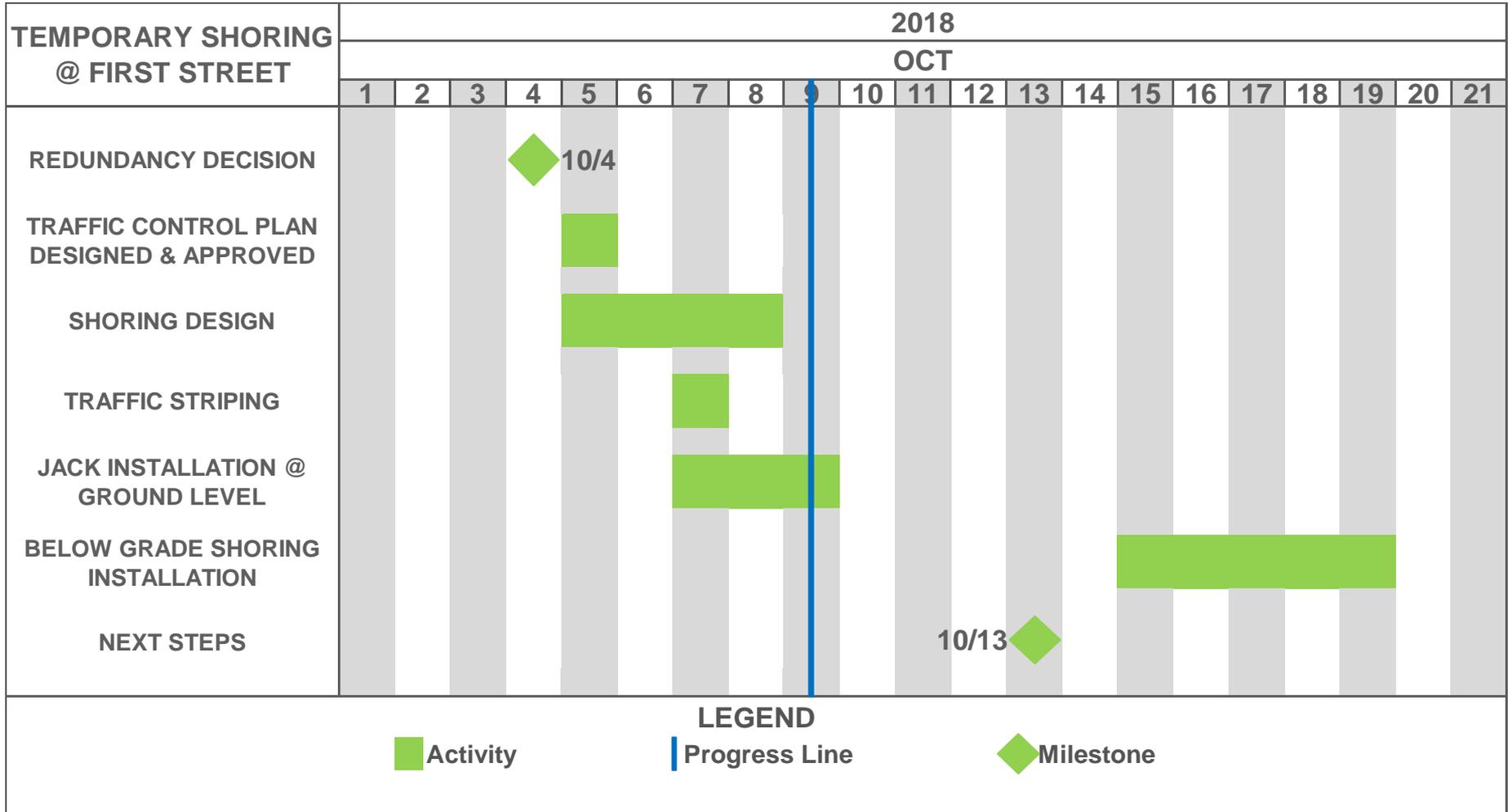
TRAFFIC CONTROL PLAN

TC-2

First Street Temporary Supports and Traffic Control installed



First Street Schedule



Next Steps after Shoring Installation

- Sampling and Testing (2 weeks)
- Determine Cause
- Design of permanent fix
- Peer Review of permanent fix over Fremont
- Install permanent fix
- Open the Facility
- Complete a 2nd Peer Review of the Facility

Oversight Update

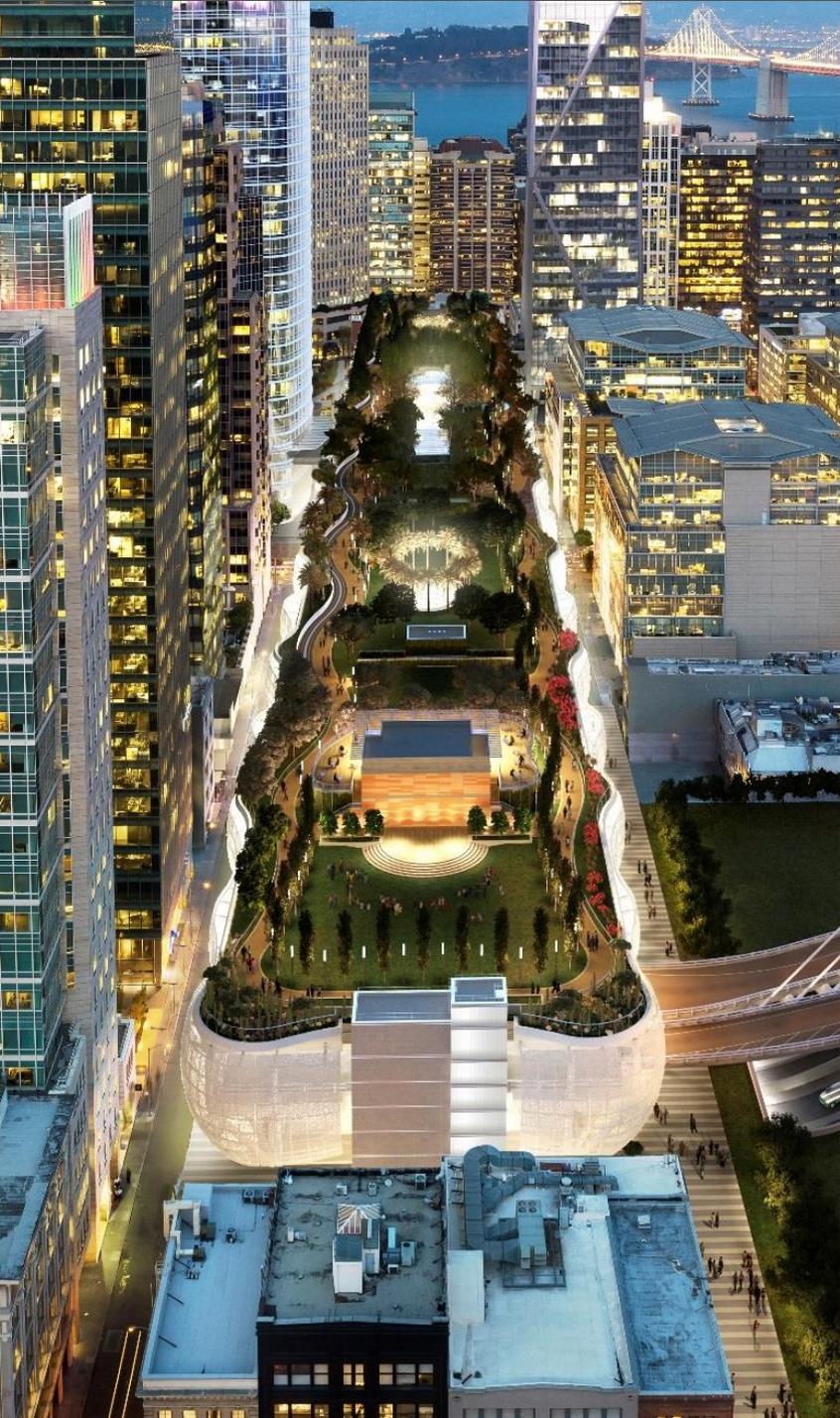
- Proposed 2018 Peer Review Panel
 - Anticipates 7 members
 - Complete review of permanent fix
- Structural and Seismic Review Committee (Peer Review) on original design and pertinent shop drawings

Original Structural and Seismic Review Committee Members

- Loring Wyllie** – Senior Principal, Degenkolb Structural Engineering
- Mason Walters** – Senior Principal, Forell/Elsesser Structural Engineering
- Jack Moehle** – Professor of Structural Engineering, UC Berkeley
- Robin McGuire** – Senior Principal, Lettis Consultants International, Inc.
- Frieder Seible** – Professor Emeritus
Structural Engineering UCSD Jacobs School of Engineering
- Jonathan Bray** – Professor of Geotechnical Engineering,
UC Berkeley Faculty Chair in Earthquake Engineering Excellence

Proposed 2018 Peer Review Team

- **Structural Steel Design and Engineering Expertise**
- **Forensic Expertise**
- **Materials/Metallurgy Expertise**



Thank You

TJPA
TRANSBAY JOINT POWERS AUTHORITY

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