



SFMTA

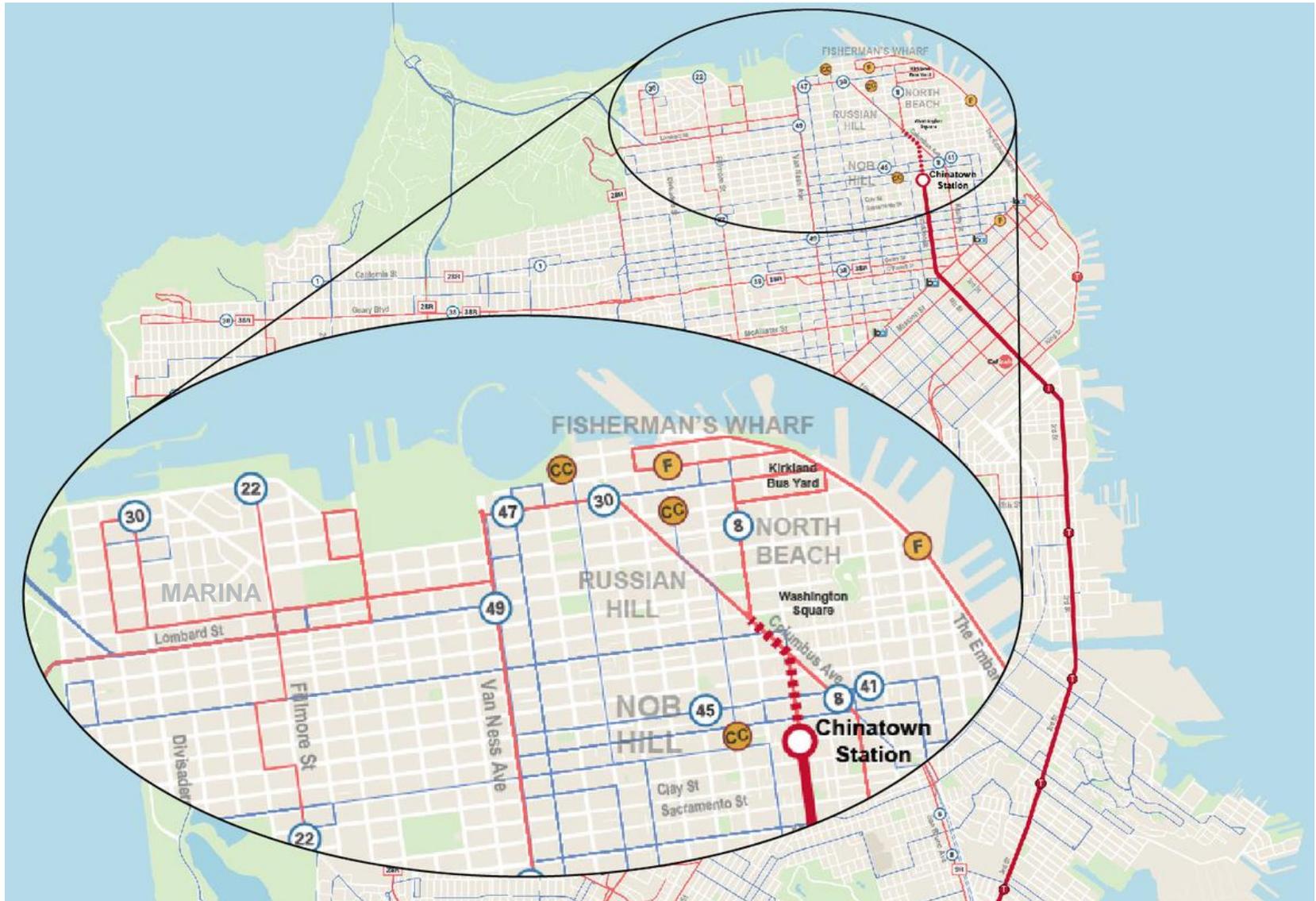
# Central Subway Extension Alternatives Study

Kickoff Meeting – Joe DiMaggio Community Room  
September 27, 2018

# Presentation Overview

1. Reasons for studying a subway extension
2. Recap prior 2015 Concept Feasibility Study
3. Goals and process for the current Alternatives Study
4. Group survey, discussion, questions

# Project Study Area



# Why Study a Subway Extension?

- Heavy Muni demand in corridor
- Dense neighborhoods, lots of surface activity
- Tunnels to North Beach already constructed
- Supported by prior studies
  - Four Corridor Plan (1994)
  - SPUR Study Session (2013)
  - T-Third Extension Concept Feasibility Study (2015)

# 2015 Concept Feasibility Study

- Evaluated constructability and operational issues
- Studied routes along Columbus, Powell, and Beach to Fisherman's Wharf
- Subway and surface alignments studied
- Most alignments and station locations found to be feasible
- Cost: \$367M - \$1.4B in 2014 dollars

The image shows the cover of a report titled "T-Third – Phase 3 Concept Study". At the top, there are logos for SFMTA (San Francisco Municipal Transportation Agency), San Francisco County Transportation Authority, and the San Francisco Planning Department. The title "T-Third – Phase 3 Concept Study" is prominently displayed in the center. Below the title, it says "FINAL" and "January 2015". There is a photograph of the Fisherman's Wharf sign, a black sign with a red "T" and the text "THIRD STREET To Fisherman's Wharf", and a photograph of three modern light rail trains. At the bottom, it says "SUSTAINABLE STREETS DIVISION – Strategic Planning and Policy".

**SFMTA**  
Municipal  
Transportation  
Agency

**SAN FRANCISCO COUNTY**  
TRANSPORTATION AUTHORITY

**SAN FRANCISCO**  
PLANNING  
DEPARTMENT

## T-Third – Phase 3 Concept Study

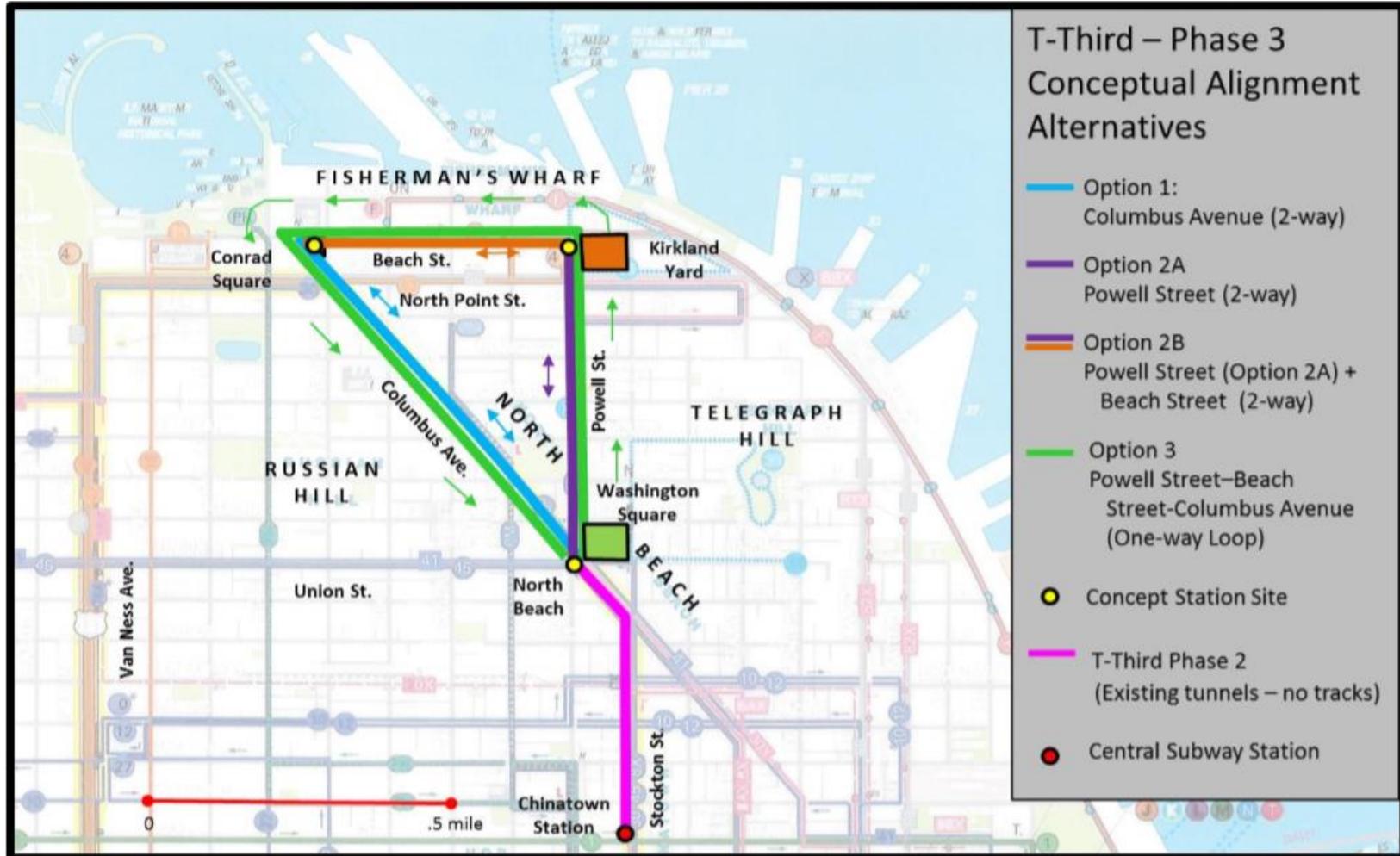
**FINAL**  
January 2015

**T** **THIRD STREET**  
To Fisherman's Wharf

SUSTAINABLE STREETS DIVISION – Strategic Planning and Policy

# Feasibility Study – More Details

Conceptual Alternatives Studied – to Fisherman’s Wharf



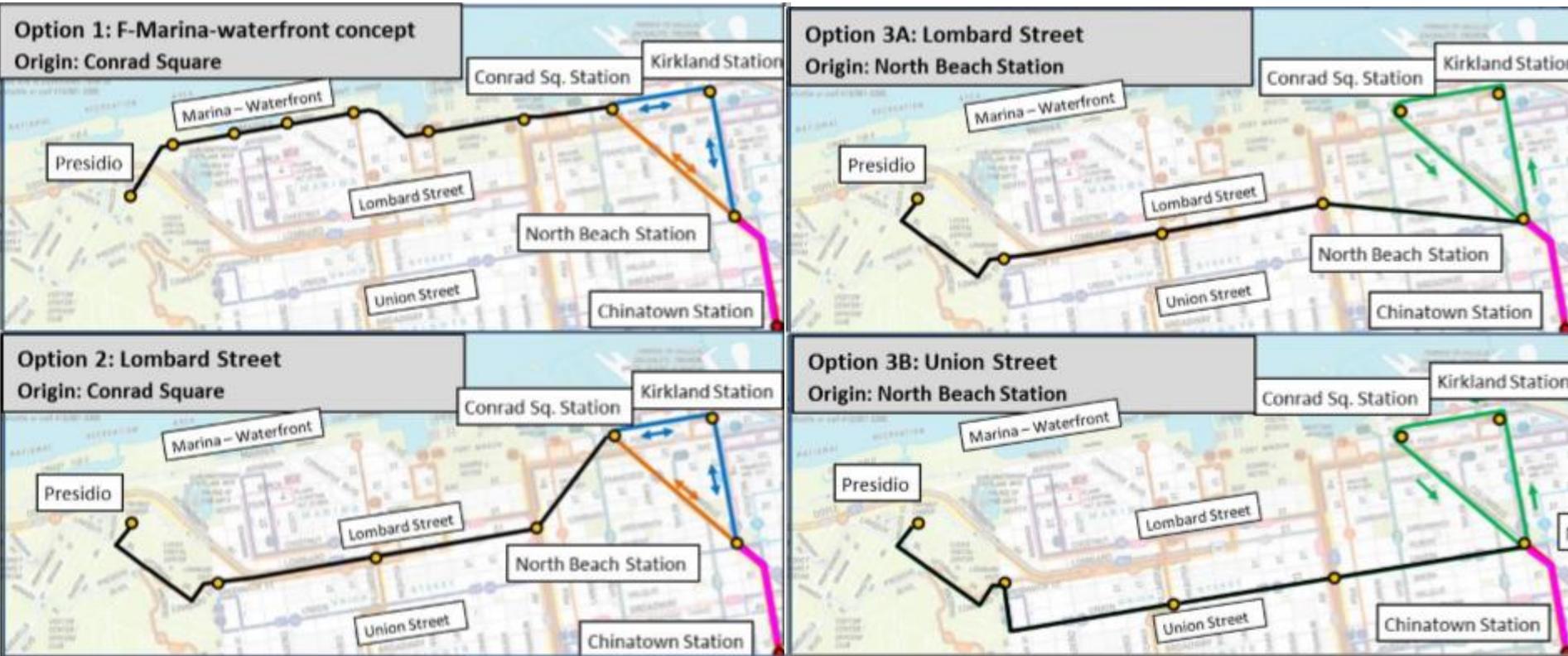
# Feasibility Study – More Details

## Conceptual Alternatives Comparison

	Columbus Ave. Subway-Surface	Columbus Ave. Subway	Powell St. Subway-Surface	Powell St. subway	Powell St. Subway-Surface w/ surface short loop	Powell St. Subway w/ surface short loop	Powell St. Subway-Surface w/surface F-Line loop	Powell St. Subway w/ surface F-Line loop	Powell St. + Beach St. Subway-Surface	Powell St.+ Beach St. Subway	Powell St. + Beach St. Surface-Subway	Powell St. + Beach St. Subway-Surface	One-Way Loop (Powell-Beach-Columbus) Subway-Surface	One-Way Loop (Powell-Beach-Columbus) Subway
Passenger Experience	0	+	0	+	-	-	-	-	-	+	NF	NF	0	+
Operational Efficiency	-	+	-	+	-	0	-	-	-	+	NF	NF	+	+
System Performance	0	+	0	+	0	+	-	-	0	+	NF	NF	+	+
Local Operations Considerations	-	+	-	+	-	0	-	-	-	+	NF	NF	-	+
Infrastructure Resiliency	+	+	0	+	0	-	0	-	0	+	NF	NF	0	0
Construction Disturbance	-	0	-	0	-	-	-	-	-	-	NF	NF	-	-
Capital Construction Cost and Risk	+	0	+	0	+	0	+	0	+	-	NF	NF	+	0
<b>Total</b>	<b>-1</b>	<b>5</b>	<b>-2</b>	<b>5</b>	<b>-3</b>	<b>-2</b>	<b>-4</b>	<b>-6</b>	<b>-3</b>	<b>3</b>	<b>NF</b>	<b>NF</b>	<b>1</b>	<b>3</b>
Capital Cost (\$ millions in 2014 Dollars)	407-482	848-933	367-442	837-912	406-480	875-950	454-529	924-999	443-518	1,333-1,408	NF	NF	496-571	1,087-1,139
Constructability Rating	4	5	3/4	4	3/4	2	3/4	2	3/4	4	1	2	3	3/4

# Feasibility Study – More Details

Conceptual Alternatives Studied – Further West



# Technical Considerations

- North Beach Station Location and Connection to Existing Tunnels
- Constructability (including staging)
- Capacity
- Subway vs Surface
  - Faster, more reliable travel time vs. construction impacts and costs

# Current Work Overview

- Alternatives Study is kicking off
- Study timeline: Now through late 2019
- Builds off of the 2015 Concept Feasibility Study
- End result: Alternatives (routes and stations) recommended for future environmental review
- Current step: Gathering input from small group meetings to confirm goals and develop preliminary alternatives to study



# ConnectSF

- Long range plan, multi-agency partnership
- Will develop a prioritized list of transit projects for future implementation, based on public input and technical analysis
- Transit Corridors Study completion expected in July 2020
  - Central Subway Extension will be among the projects analyzed
  - Timing for advancement into Environmental Review is contingent upon prioritization in the Transit Corridors Study



Concept Feasibility Study (2015)



Alternatives Study (2018-19)



Environmental Review



Design/Engineering



Construction

Future - Unfunded

# Alternatives Study Topics

Alternatives will be studied and compared based on:

- Community Needs and Acceptability
- Technical/Engineering Feasibility
- Cost
- Transportation Benefits (Meeting Project Goals)
- Construction Effects
- Operational Considerations (i.e. Capacity, Service Efficiency)
- ... and additional criteria based on feedback

# Alternatives Study Steps

## Step 1: Confirm Goals (Purpose and Need)

★ We are here!

Outreach Round 1: What transportation improvements are desired?  
Where should routes and stations be considered? (*Summer-Fall 2018*)

## Step 2: Develop Preliminary Alternatives

Outreach Round 2: Do the alternatives address the needs expressed in Round 1? What criteria should we use to screen them? (*Early 2019*)

## Step 3: Analyze and Screen Alternatives in Draft Study

Outreach Round 3: Based on the draft study results, which alternatives should we carry forward? (*Mid-Late 2019*)

## Step 4: Finalize Study, Recommend Alternatives for Environmental Review Phase



# Recap

1. Existing transportation and land use conditions support consideration of a subway extension
2. Prior 2015 Concept Feasibility Study showed several routes to be feasible
3. Current Alternatives Study will develop a few route concepts (alternatives) in more detail
4. Community will play a major role in the development and screening of alternatives, and deciding whether to advance the project

# Questions?

Thank you for your time and participation.

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