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
Feasibility Study – More Details

Conceptual Alternatives Studied – to Fisherman’s Wharf

T-Third – Phase 3
Conceptual Alignment Alternatives

- Option 1: Columbus Avenue (2-way)
- Option 2A: Powell Street (2-way)
- Option 2B: Powell Street (Option 2A) + Beach Street (2-way)
- Option 3: Powell Street–Beach Street-Columbus Avenue (One-way Loop)

- Concept Station Site
- T-Third Phase 2 (Existing tunnels – no tracks)
- Central Subway Station
# Feasibility Study – More Details

## Conceptual Alternatives Comparison

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Feasibility Study – More Details

Conceptual Alternatives Studied – Further West

Option 1: F-Marina-waterfront concept
Origin: Conrad Square

Option 3A: Lombard Street
Origin: North Beach Station

Option 2: Lombard Street
Origin: Conrad Square

Option 3B: Union Street
Origin: North Beach Station
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


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

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? \(\text{(Early 2019)}\)

Step 3: Analyze and Screen Alternatives in Draft Study
Outreach Round 3: Based on the draft study results, which alternatives should we carry forward? \(\text{(Mid-Late 2019)}\)

Step 4: Finalize Study, Recommend Alternatives for Environmental Review Phase
Outreach Round 1 Survey Test Drive

Key Question Topics

- What transportation improvements are needed?
- What other neighborhood goals are priorities?
- Should a subway extension be pursued?
- Where should potential routes and stations be considered?
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.

Project team:

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