

San Francisco Long Range Transportation Planning Program

SFMTA Engineering, Maintenance, and Safety
Committee



January 27, 2016

OVERVIEW

San Francisco's Long-range Transportation Planning Program (LRTPP) is a multi-agency collaborative to tackle San Francisco's transportation challenges today and into the future.

Why do we need a Long-range Transportation Planning Program?



...to meet our current and future demand while also channeling growth.



San Francisco Long Range Transportation Planning Program

Transportation Vision – 2016/17

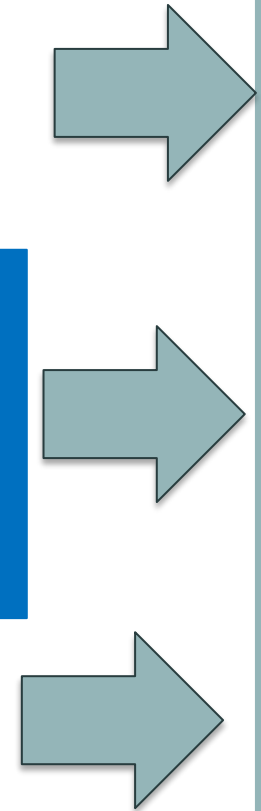
- 50-year time horizon – where are we aiming?
- Understand long term capacity needs
- Develop land use alternatives and transportation networks

Transit Modal Concept Study - 2017

- 25 Year timeframe
- Identify and prioritize corridor investments to achieve the established Vision
- Identify key issues and potential regional coordination opportunities to advance projects

SFTP Update – 2018

- Coordinate and integrate the findings from modal studies, including regional transit
- Develop financially constrained investment plan



Major Investment Studies
incl. Subway Master Plan

Vision (2017 anticipated completion)

- ▶ **To look at:**
- ▶ **key trends impacting SF's future**
 - ▶ Existing conditions and needs assessment
 - ▶ Land Use + Transportation
- ▶ **Outcomes:**
- ▶ **travel corridor identification**
- ▶ **transit expansion concepts - feeding into and fed by other sub studies**



Efforts Already Underway

BART Metro Vision Update

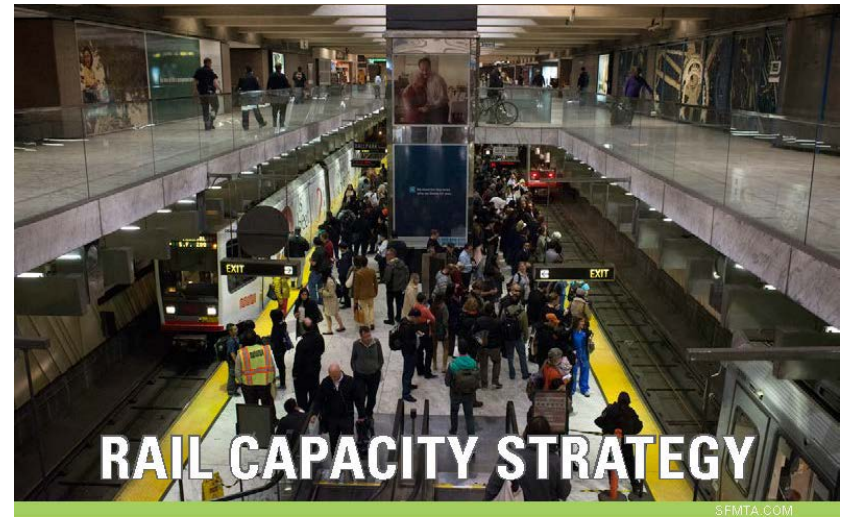
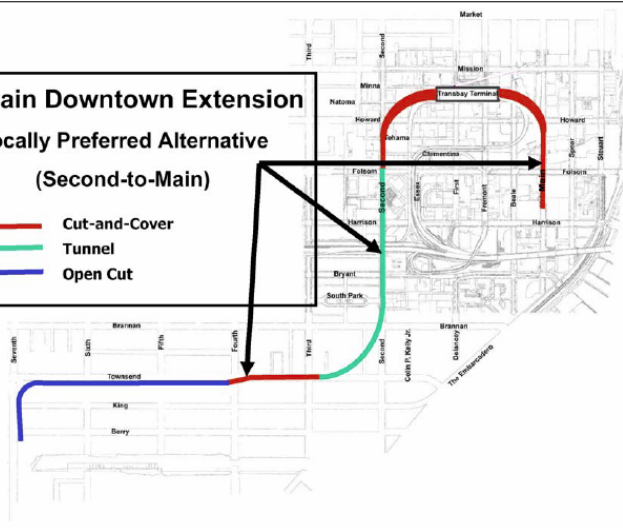
Enhancing Service, Capacity and Coverage



Caltrain Downtown Extension

Locally Preferred Alternative
(Second-to-Main)

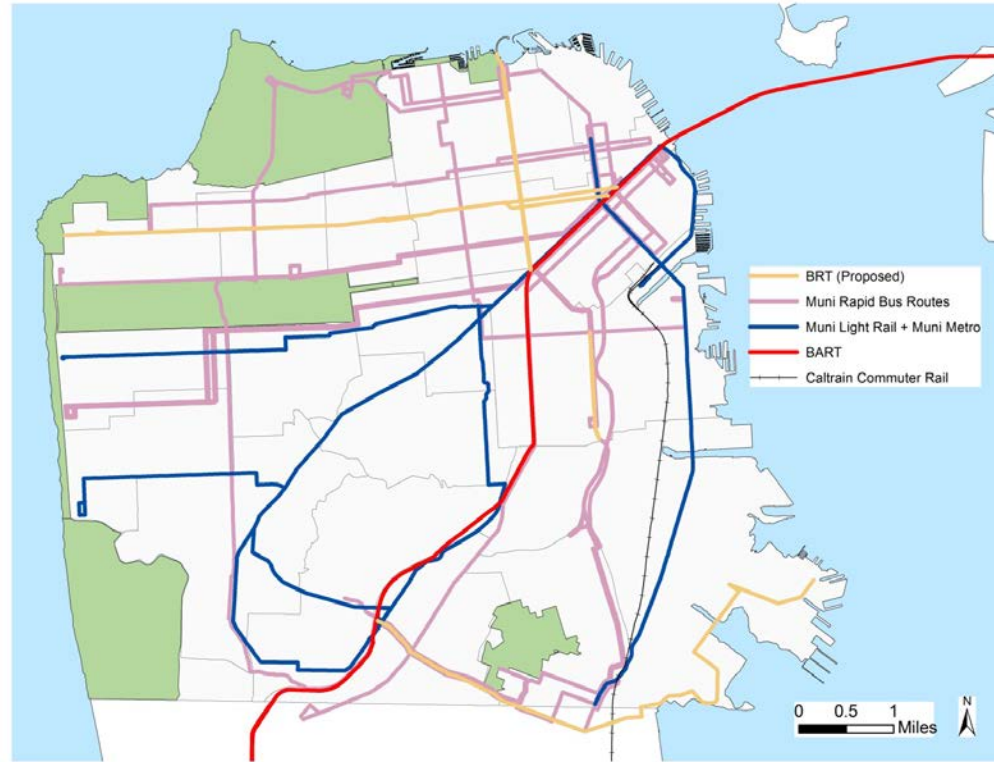
- Cut-and-Cover
- Tunnel
- Open Cut



Elements of a Subway Master Plan

2016 -17

- ▶ City Vision Setting, Land Use Projections
- ▶ Transit Demand and System Needs Assessment
- ▶ Major Investment Analysis by Corridor
- ▶ Identify Priority Rail/Subway Network



Source: SFCTA

Future Phases (2017 and beyond)

- ▶ Project Alternatives Analysis (Costs, Benefits, Public Input)
- ▶ Transit Master Plan (incl. Subway Master Plan)
- ▶ Incorporate Transit/Subway Master Plan into SFTP (2018)

Phases of a Subway Master Planning Process

Scope of Analysis

In the initial phases of the study, many alternatives are subject to a high-level analysis.

high-level analysis

high-level design and
detailed analysis

design

many alternatives

shortlist alternatives

preferred alternative

As the study progresses, the number of alternatives decreases as the level of analysis increases.

PHASE 1 ▶

PHASE 2 ▶

PHASE 3 ▶

2015 -16

2016-18

2018-19→

Notional Timeline



Subway Master Plan - Identify Options & Study Alternatives

Identify Goals and Objectives, such as:



SHAPE TRAVEL DEMAND

Meet, shift and help shape travel demand through improved transit service quality.



SHAPE LAND USE

Shape future land use in keeping with the Regional Growth Strategy and municipal plans.



RAISE TRANSIT RIDERSHIP, LOWER EMISSIONS

Help achieve mode share and emissions targets.

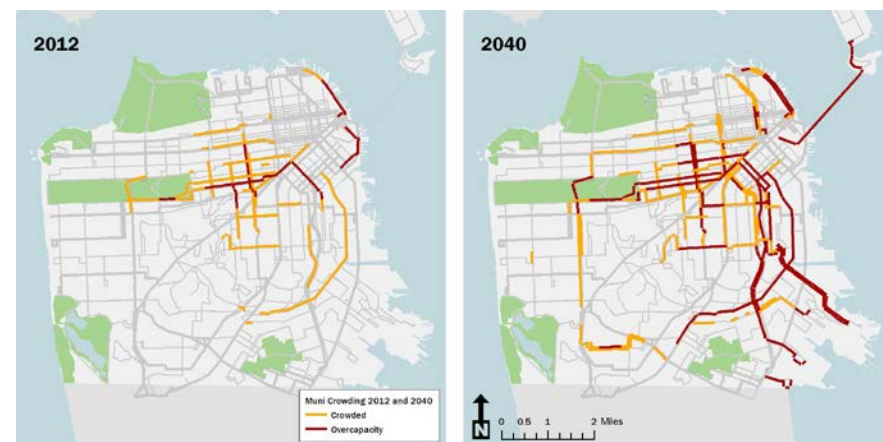
Sample Evaluation Criteria -

- ▶ Land Use Vision compatibility, Engineering Feasibility
- ▶ Transit crowding/delay reduction, increase in Ridership
- ▶ Vehicle trip and congestion reduction, GHG reduction
- ▶ Equity, Public Input
- ▶ Cost (capital and operating)

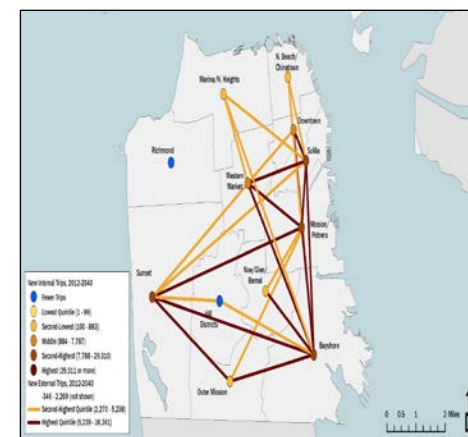
Detailed Planning – work underway

- ▶ Elements from the Vision – identify growth corridors for potential rail/subway investment
- ▶ Elements from Core Capacity
- ▶ Identify corridors warranting major investment between key development centers (Vision)
 - ▶ Corridors previously identified/studied (e.g. Caltrain Downtown extension, Market, Geary, Central Subway III, M-Line, Geneva)
 - ▶ New Corridors emerging from analysis (Transbay Core Capacity)
 - ▶ Public Input

Transit Crowding,



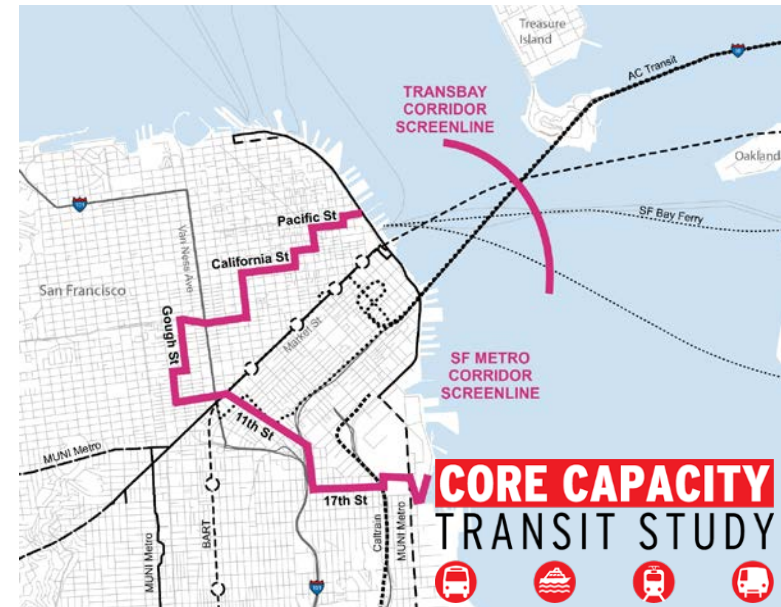
Local Vehicle Trip Growth Markets (2040)



Source: SFCTA 2013 SFTP

Example: Core Capacity Transit Study:

Laying out coordinated, long-term vision possibilities and guiding near-term priorities



- ▶ Coordinating planning by the multi-agency transit network serving San Francisco core
- ▶ Investigating transit solutions to address present-day capacity issues due to strong economic growth
- ▶ Bundling long-term network visions into 3+ representative packages of projects and policies for evaluation to inform policymakers and stakeholders
 - ▶ For example, some packages may have different new transbay tube alignment concepts with complementary Muni, AC Transit, and ferry improvements
- ▶ Short-term and medium-term projects and policies will be guided and prioritized, informed by the sharpened long-term options

Addressing the Challenges

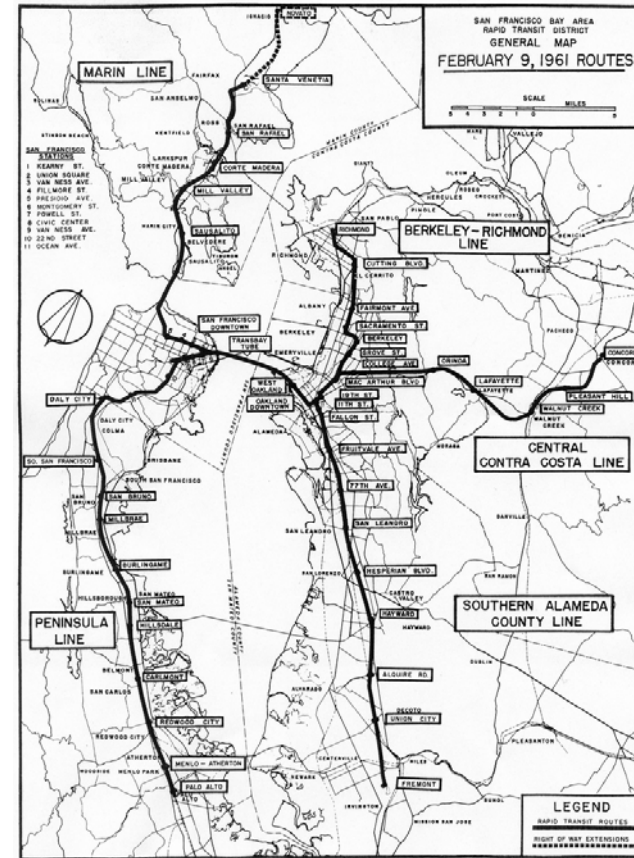
- ▶ **Timeline: Ambitious but will advance as elements from the L RTPP are completed**
- ▶ **Strong, collaborative leadership approach; solid consultant team with “all hands on deck”**
- ▶ **Further L RTPP work on long-term funding strategies and approach to fund all of the transportation investment needs:**
 - ▶ **E.g. leverage new local revenues, and mechanisms such as development-based value capture and public private partnership strategies**

LRTTP Near Term Schedule and Budget

- ▶ **RFP for Consultant Services (\$1.15M)**
- ▶ **Agencies begin near term tasks during procurement**
- ▶ **Award contract/consultant kickoff in early 2016**
- ▶ **First stakeholder outreach spring 2016**

What will it take? How can you help?

- ▶ Vision
- ▶ Funding
- ▶ Land Use
- ▶ Inclusionary process
- ▶ Enhanced Project Delivery
- ▶ Champions



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