

# VTA's BART Silicon Valley Phase II Extension

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## Santa Clara Community Working Group Orientation

May 14, 2015



## Agenda

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- Welcome and Introductions
- Introduction to CWG Process
- Overview of VTA's BART Silicon Valley Program
  - Financial Update
  - Environmental Update
- Discussion
- Next Steps

## Welcome

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- Introductions
- Meeting format
  - Presentation on various topical areas
  - Round table discussion
  - No public comments

3



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## CWG Process

Eileen Goodwin, Facilitator

4

## **Role of the CWG**



- Be project liaisons
- Receive briefings on technical areas
- Receive project updates
- Build an understanding of the project
- Collaborate with VTA
- Contribute to the successful delivery of the project

5

## **Your Role as a CWG Member**



- Attend CWG meetings
  - Bring your own binder (BYOB)
- Be honest
- Provide feedback
- Get informed
- Disseminate accurate information
- Act as conduits for information to community at large

6

## Role of the CWG Team



CWG Team Member	Role
Eileen Goodwin	Facilitator
Erica Roecks	Primary Outreach Contact & Technical Lead
Leyla Hedayat	Phase II Project Manager
Debby Fernandez	City of Santa Clara – Planning Liaison
Dennis Ng	City of Santa Clara – Engineering Liaison

7

## CWG Meetings



- No alternates
- Commitment dates for 2015:
  - June 11, 2015 (4-6 PM)
  - August 13, 2015 (4-6 PM)
  - October 15, 2015 (4-6 PM)

8

## **CWG Proposed Work Plan**

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- Ridership/modeling
- Connectivity/land use
- City & VTA related projects in BART corridor
- Development and station areas
- Economic analysis update
- Financial gap analysis
- FTA process/New Starts Project Development
- Envision project update
- Construction methods
- Environmental process

9



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## **Overview of Project**

**Leyla Hedayat,  
Phase II Project Manager**

10

## VTA's BART Silicon Valley Program



11

## Ridership and Funding



### Phase I — Berryessa Extension

<b>Opening Day Ridership</b>	<b>24,000</b>
<b>Project Cost</b>	<b>\$ 2.3 billion</b>
Local Funding	\$ 1.179 billion
State Funding	\$ 251 million
Federal Funding	\$ 900 million

### Phase II Extension

<b>Year 2035 Ridership</b>	<b>55,000</b>
<b>Project Cost</b>	<b>\$ 4.7 billion*</b>
Local/State Funding	\$ 3.59 billion*
Federal Funding	\$ 1.1 billion

*\*Costs above are in year-of-expenditure dollars and includes a full maintenance facility at Newhall.*

*\*Sources to be determined*

12

## Phase I – Berryessa Extension



- 10-mile extension under construction
- Two Stations:
  - **Milpitas**, near the Great Mall
  - **Berryessa**, near the San Jose Flea Market
- Forecast opening date is Fall 2017
- \$2.3 billion total project cost
- Anticipated daily ridership for Phase I: 24,000 opening day (doubles in 15 years)

13

## Phase I – Berryessa Extension



- |  |            |
|--|------------|
| • Federal Funding Secured                  | March 2012 |
| • Groundbreaking                           | April 2012 |
| • Substantial Construction Complete        | 2016       |
| • Start Systems and Pre-Revenue Operations | Early 2017 |
| • Forecast Opening Date                    | Fall 2017  |

14

## Phase I – Construction Milestones



View into Milpitas Station platform

15

## Phase I – Construction Milestones



Trench at Hostetter Road with systems facility adjacent to alignment

16



**Phase I – Construction Milestones**



Berryessa Station canopy

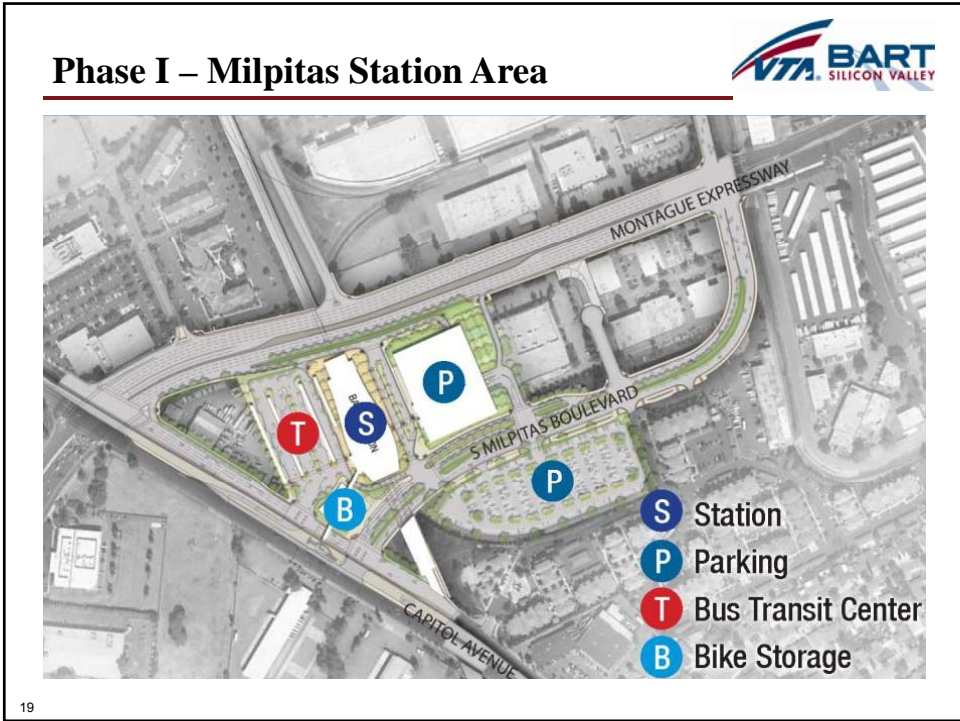
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**Phase I – Construction Milestones**



Mechanically Stabilized Earth (MSE) wall construction south of Mabury Road In San Jose

18



## Phase II Extension Project

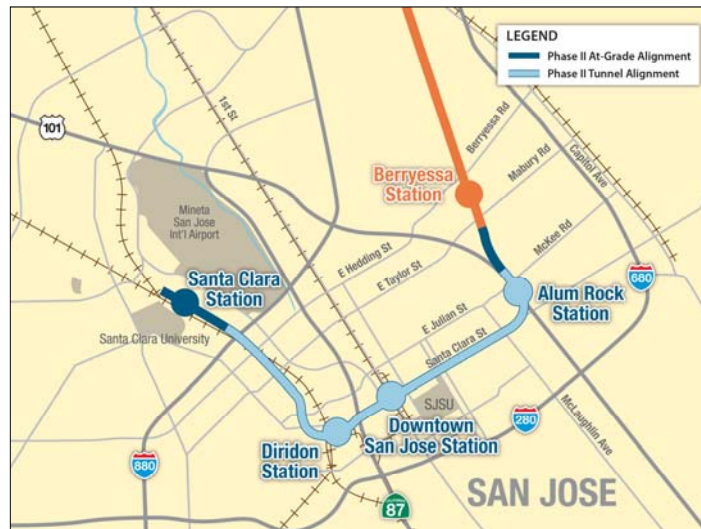


- 6-mile extension
- 4 stations
  - Alum Rock (underground)
  - Downtown San Jose (underground)
  - Diridon (underground)
  - Santa Clara (at-grade)
- Maintenance facility in San Jose/Santa Clara
- Anticipated ridership of 55,000 in 2035 (based on 2012 model)



21

## Phase II – Overview



22

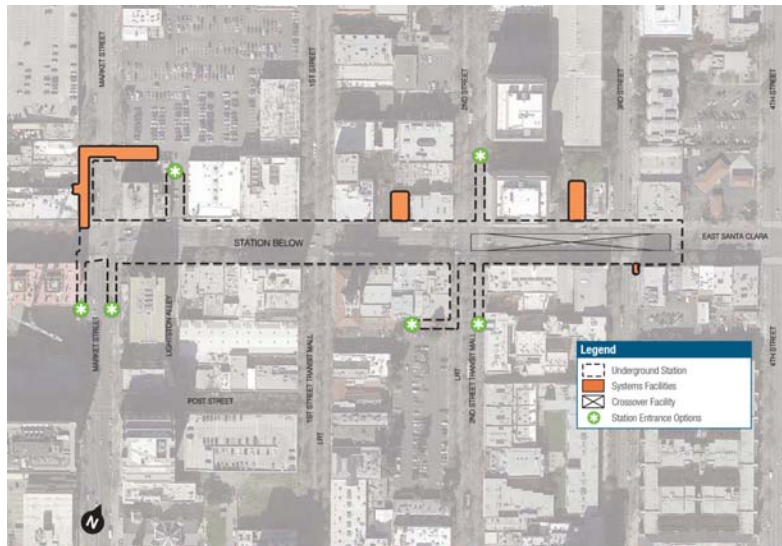
# Alum Rock Station



Alum Rock Station Conceptual Site Plan  
Phase II Extension Project



# Downtown San Jose Station – West Option



Downtown Station West Option Conceptual Site Plan  
Phase II Extension Project



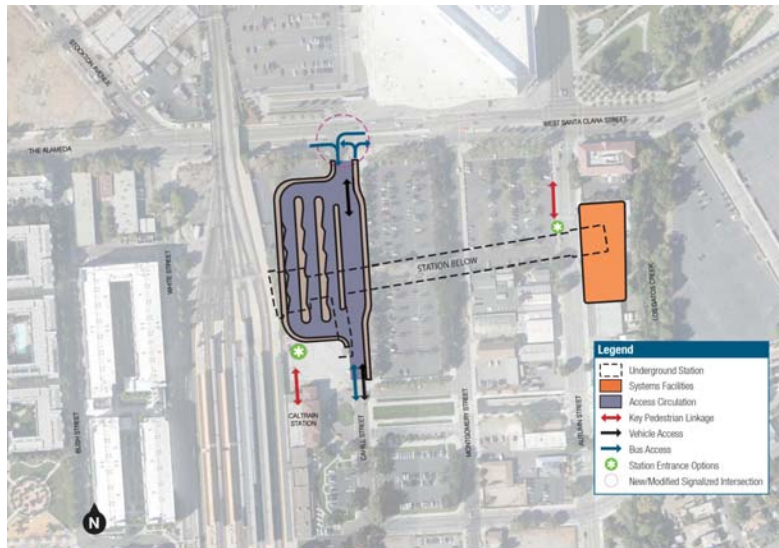
## Downtown San Jose Station – East Option



Downtown Station East Option Conceptual Site Plan  
Phase II Extension Project

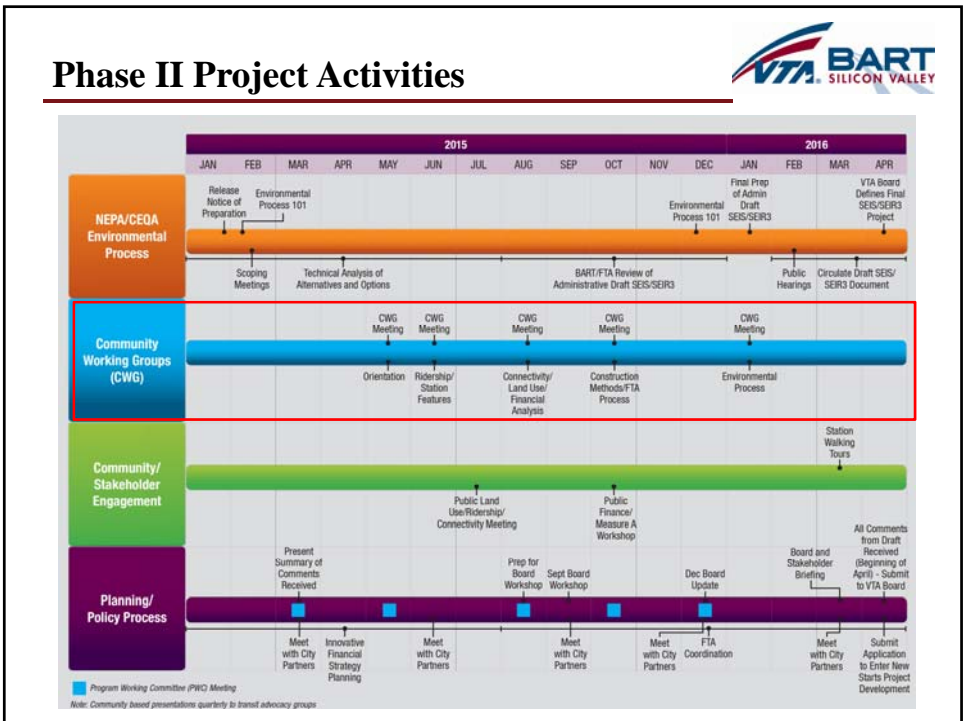
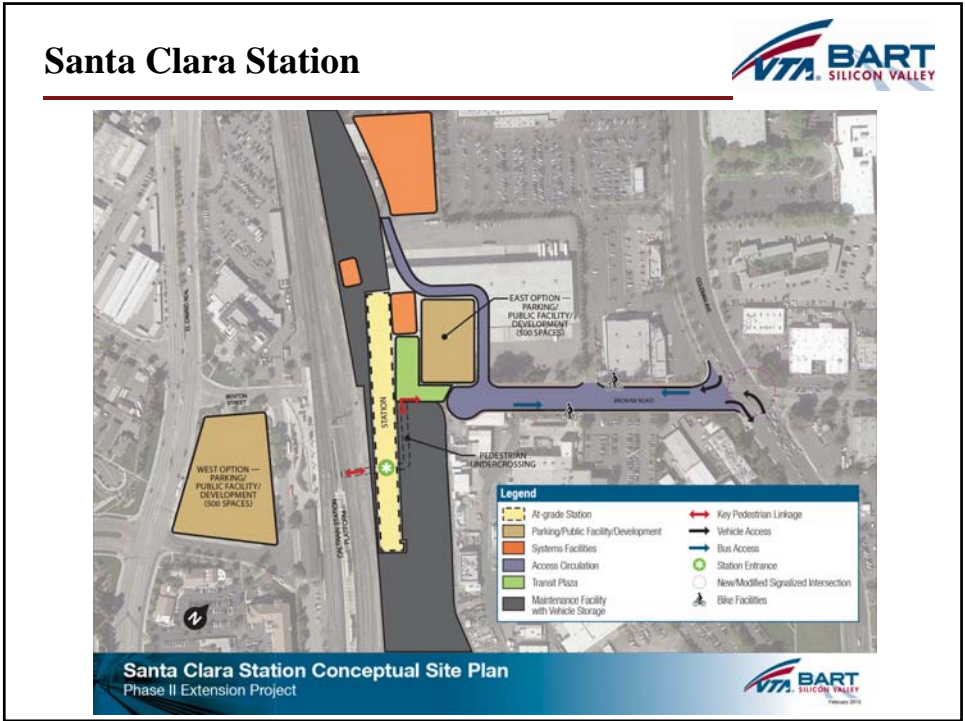


## Diridon Station



Diridon Station Conceptual Site Plan  
Phase II Extension Project





## **Phase II – Community Engagement**



- Land use/ridership/connectivity workshop
- Finance/Measure A workshop
- Station walking tours
- Construction methods workshop

29

## **Phase II – Relevant Projects**



- City staff updates on Specific Plans associated with BART station areas
- City projects within BART corridor
- VTA projects within BART corridor
- Station multi-modal access planning process

30

## Funding Status

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- Measure A funds constrained
- Additional funding needed to build Phase II
- VTA will pursue federal funding from the Federal Transit Administration's (FTA) New Starts Program
  - New Starts rating for projects is based on two criteria:
    - Project Justification (50%)
    - Local Financial Commitment (50%)

31



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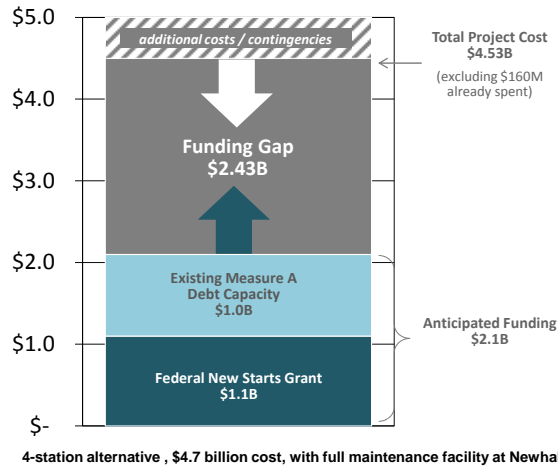
## Financial Update

Raj Srinath, Chief Financial Officer  
&  
Mike Smith, Fiscal Resources  
Manager

32



## Phase II – Funding

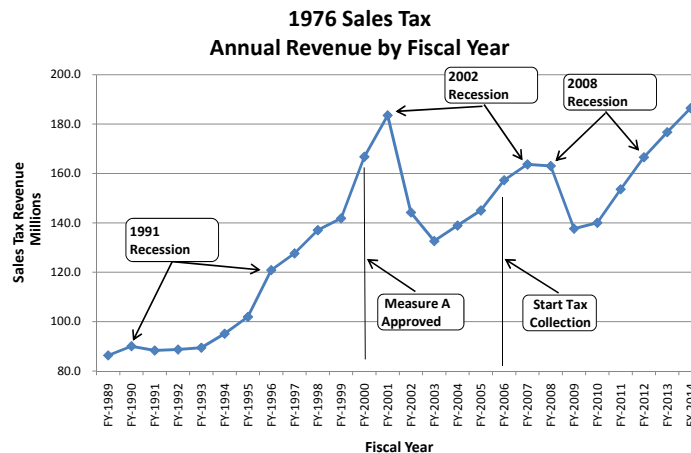


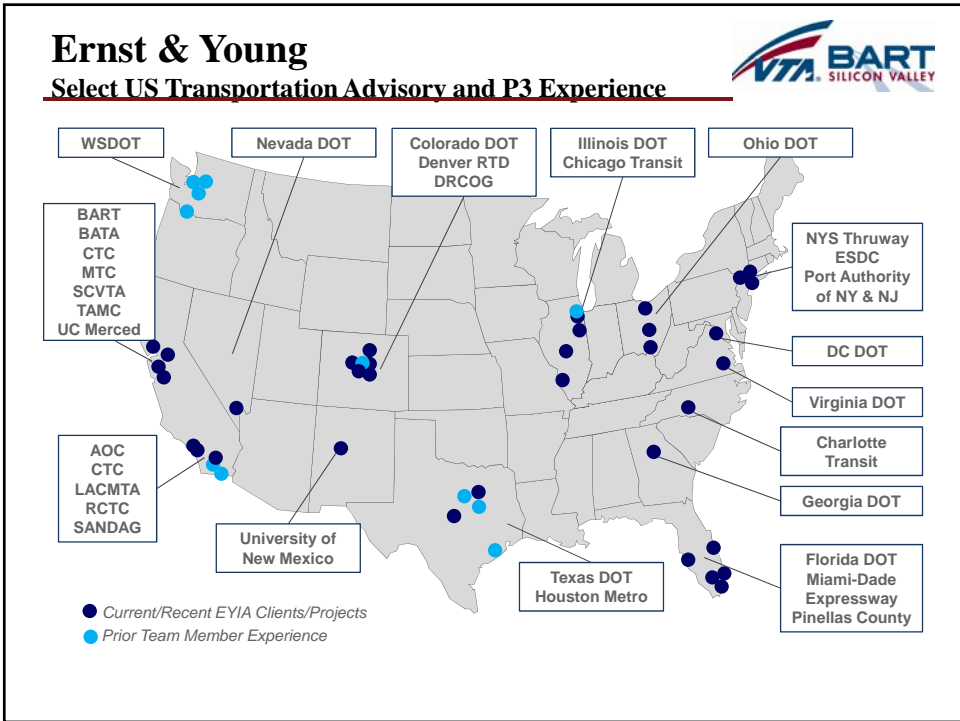
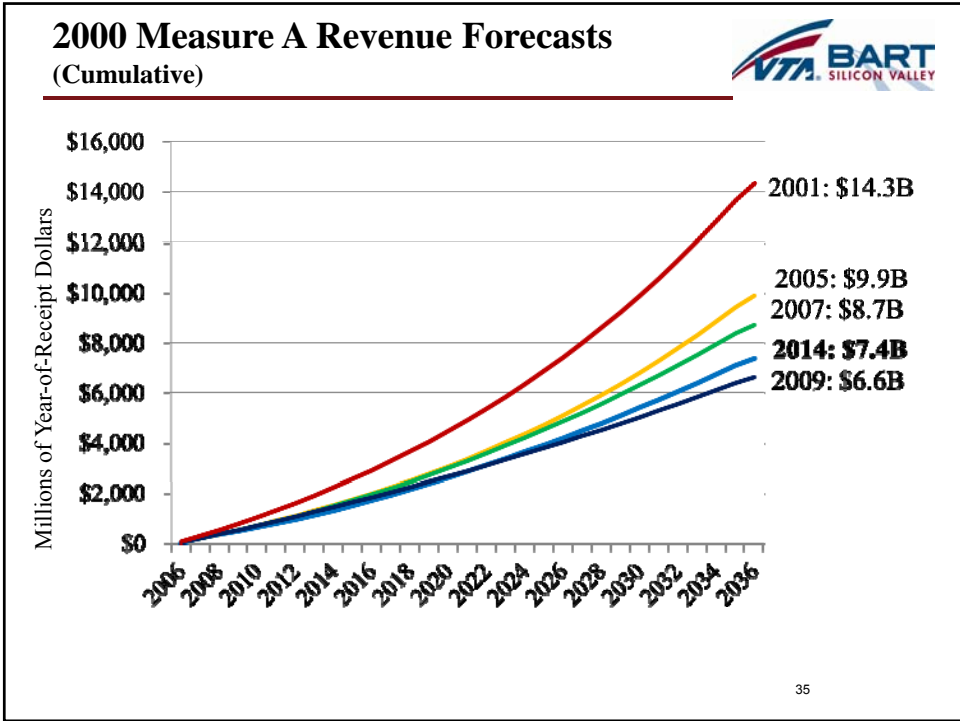
- Successful mega projects focus on strategies that address both revenue generation and cost management

## 2000 Measure A



- The Measure A tax was intended to deliver the 16 mile BART Extension
  - So, why is Measure A not sufficient?





## Ernst & Young



- A leading transportation infrastructure advisor
- 400 EY professionals across a global infrastructure network
- 700+ EY projects since 1996 (250+ reached financial close)
- \$20 billion of new and potential US transportation projects
- Focus on alternative delivery strategy, finance and policy
  - *Pioneered hybrids of PPPs and innovative finance methods*
  - *8 Federal TIFIA loans closed (4 in last 18 months)*
- VTA's team can seamlessly leverage other skillsets
  - *Real estate market valuations and development*
  - *Construction management, oversight and controls*
  - *Transactional tax and accounting services specialized in PPP-related issues*
  - *Economic Impact Analysis*
- EY provides US infrastructure advisory services through its affiliate Ernst & Young Infrastructure Advisors, LLC (EYIA)

## Scope of Services



Ernst & Young Infrastructure Advisors, LLC will identify, research, analyze and implement a range of financial and cost management alternatives and strategies to fund Phase II

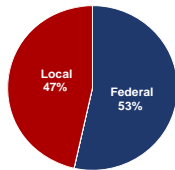
- Identify new funding sources
  - Federal grants
  - State grants
  - Local funding
- Identify ways to increase borrowing capacity
  - Federal and state infrastructure loan programs
  - Use of interim and short-term borrowing

## Examples of Funding Splits

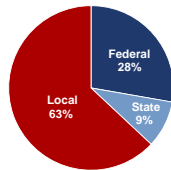


### Various Large Transit Capital Investment Program Projects

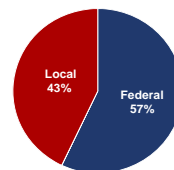
RTD Eagle P3



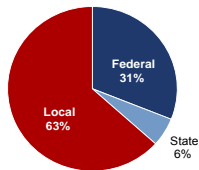
MTA Second Avenue Subway



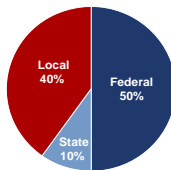
Houston N./S.E. Corridor LRT



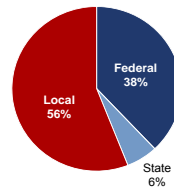
WMATA-Dulles Corridor



Minneapolis LRT



Aggregate of 5 Projects



- Breakdown by Funding Source for Comparable Transportation Projects  
Source: U.S. Department of Transportation; Federal Transit Administration



## Environmental Update

Tom Fitzwater,  
Environmental Program Manager

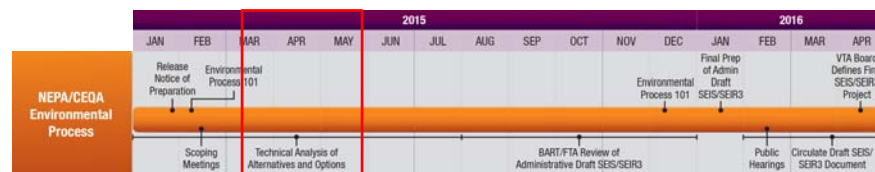
## Environmental Process



- 2004 – State clearance (CEQA) on Final Environmental Impact Report (EIR): 16-miles
- 2007 – CEQA clearance on Final Supplemental EIR (SEIR): 16-miles
- 2010 – Federal clearance (NEPA) on Final Environmental Impact Statement (EIS): 10-miles
- 2011 – CEQA clearance on 2<sup>nd</sup> SEIR: 10-miles
- 2015 – Joint CEQA and NEPA document (SEIS/SEIR3): 6-miles

41

## Phase II – Environmental Process



State (CEQA) and Federal (NEPA) Environmental Process Timeline

42

## **Phase II – Environmental Activities**



- Scoping period ended on March 2, 2015 (92 comments were received)
- Scoping Report documents and consolidates comments received on the project scope, alternatives to be considered, and environmental issues to be addressed
- Consideration of comments received
  - Topics/concepts that have already been analyzed
  - Topics/concepts that are not feasible and/or outside of scope of environmental process
  - New topics/concepts that are feasible and warrant analysis
- Currently conducting technical analysis for development of draft document

43



## **Discussion**

**Eileen Goodwin, Facilitator**

44

## Discussion

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What else would you like  
to learn about?

45

## Next Steps

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- Next meeting: Thursday, June 11, 2015 ~ 4:00-6:00 PM,  
Santa Clara Senior Center ~ BYOB
- Action Items

46