



# **BART SILICON VALLEY**

## Program and Project Update

Sierra/Lundy Construction Activities

May 26, 2011

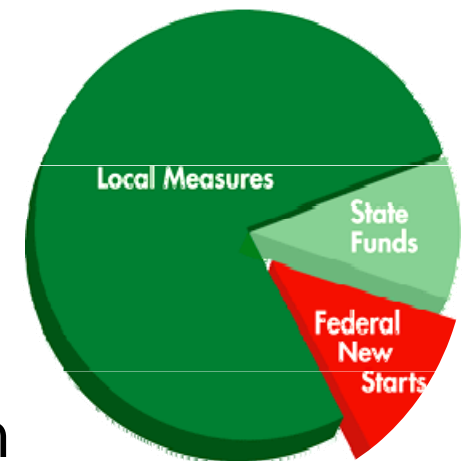
# Enhancing Regional Connectivity



- BART Silicon Valley 16-mile extension from Fremont to Santa Clara
  - Phase 1 – Berryessa Extension (10 miles)
  - Phase 2 – Santa Clara Extension (6 miles)
- Diridon Station becomes largest transportation hub in northern California
  - Local VTA connections
  - Regional rail connections
  - Future High Speed Rail
- Connection to north San Jose jobs
- Milpitas to San Francisco - 50 minutes
- Berryessa to San Francisco - 60 minutes

# Support and Funding for Program

- Local Support
  - 2000 Measure A (70.3% approval) – Capital Funding
  - 2008 Measure B (66.78% approval) – Operating Funding
  - Designated Priority Project by VTA Board
- MTC Regional Support
- State – \$639 million commitment
- Federal – Recommended for FFGA (\$900 million anticipated)



# BART Silicon Valley Program

- Received state and federal environmental clearance
- Acquiring real estate and right-of-way
- Conducting community outreach and education
- Restoring habitats
- Coordinating multi-jurisdictional outreach
  - VTA designs, funds and builds
  - BART operates and maintains

# Phase 1: Berryessa Extension

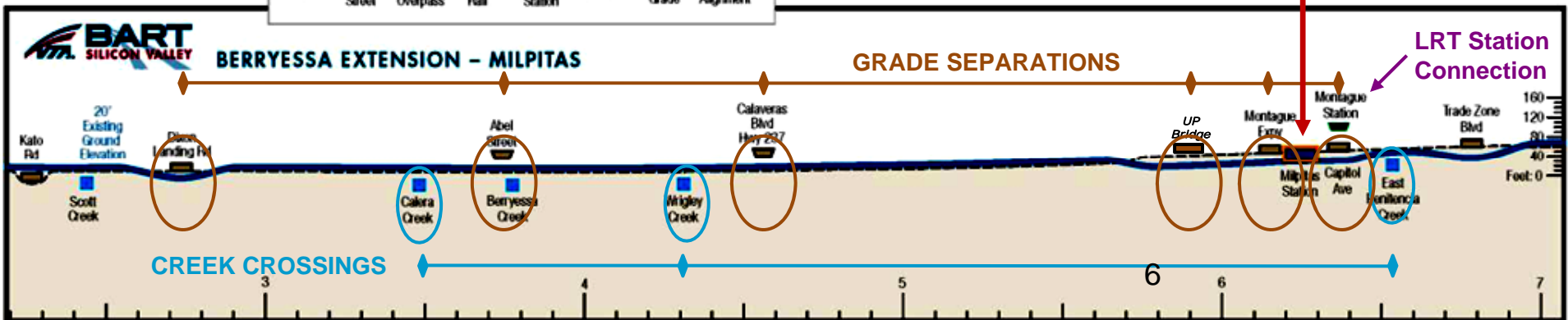
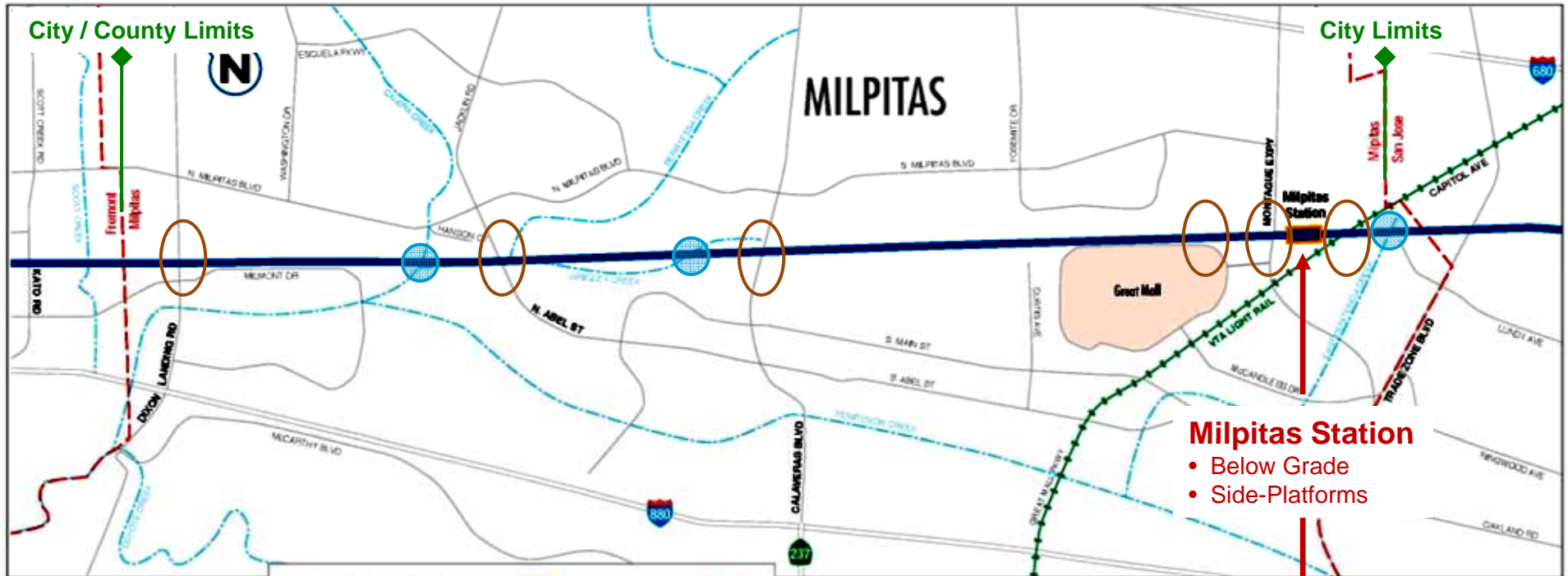


- Extends BART System 10 miles to Santa Clara County
- \$2.1 billion
- Two Stations:
  - Milpitas, near the Great Mall
  - Berryessa, near the San Jose Flea Market
- Design Build Delivery – Two Major Contracts
  - Line, Tracks, Systems and Stations (LTSS)
  - Station Areas and Parking



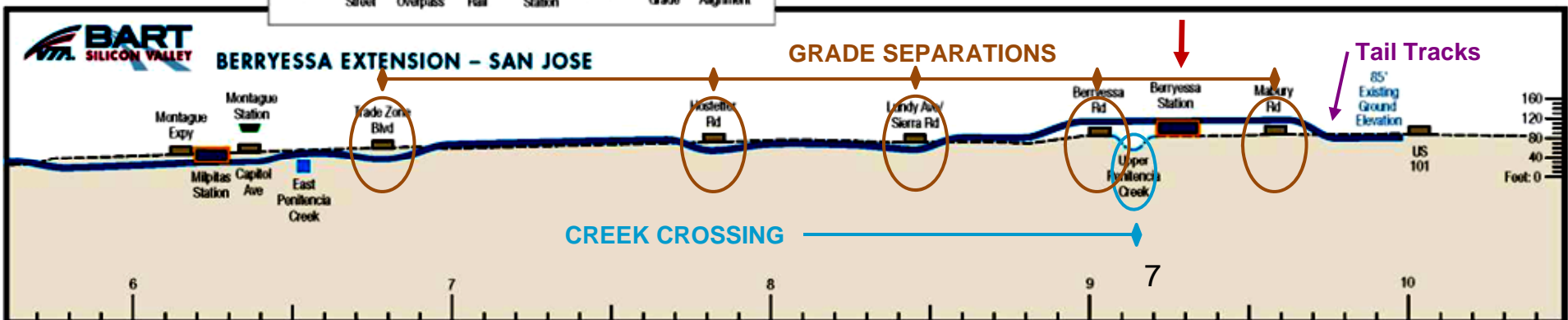
# Project Alignment – City of Milpitas

Santa Clara County



# Project Alignment – City of San Jose

Santa Clara County



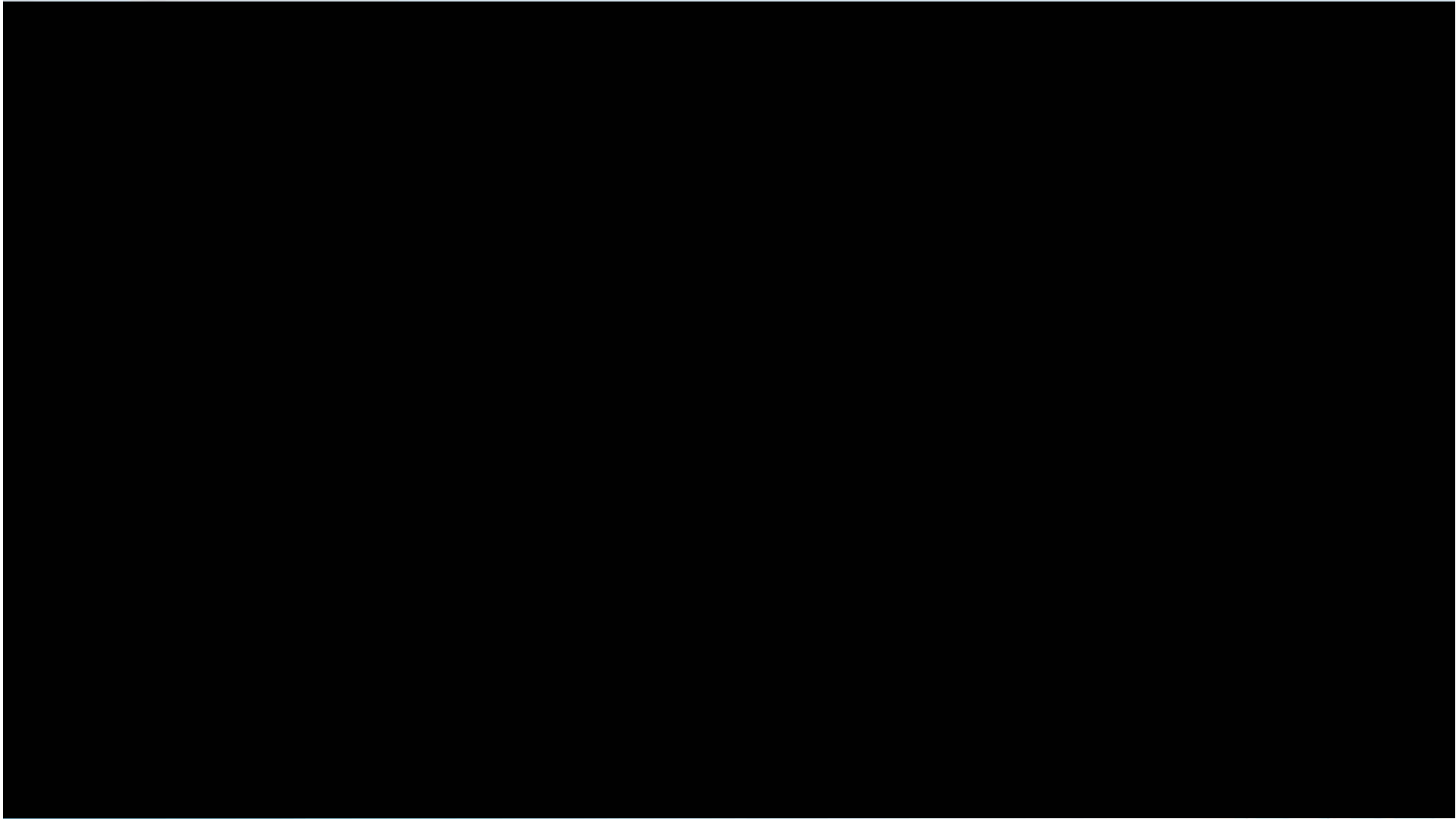
# Milpitas Station



- Ground level concourse, below ground boarding platforms
- Seamless connection to VTA's Montague Light Rail Station
- Multi-story parking garage next to station
- Convenient private shuttle and "Kiss-and-Ride" loading areas
- VTA bus transit center
- On-site bicycle storage room



# Milpitas Station Video



# Berryessa Station



- Street level concourse, above-ground boarding platform
- Multi-story parking garage next to station
- Convenient private shuttle and “Kiss-and-Ride” loading areas
- VTA bus transit center with Express Bus service to Downtown San Jose
- On-site bicycle paths and indoor bicycle storage room

# Berryessa Station Video

# Current and Near Term Project Activities

- Corridor Preparation Activities
- Kato Road Grade Separation
- Mission Warren Grade Separation
- Residential Noise Insulation Program
- Design Build Contract – Line, Track, Systems, Stations
  - Request for Proposal (RFP)
  - Contract Award – November
  - Begin Construction – 2012

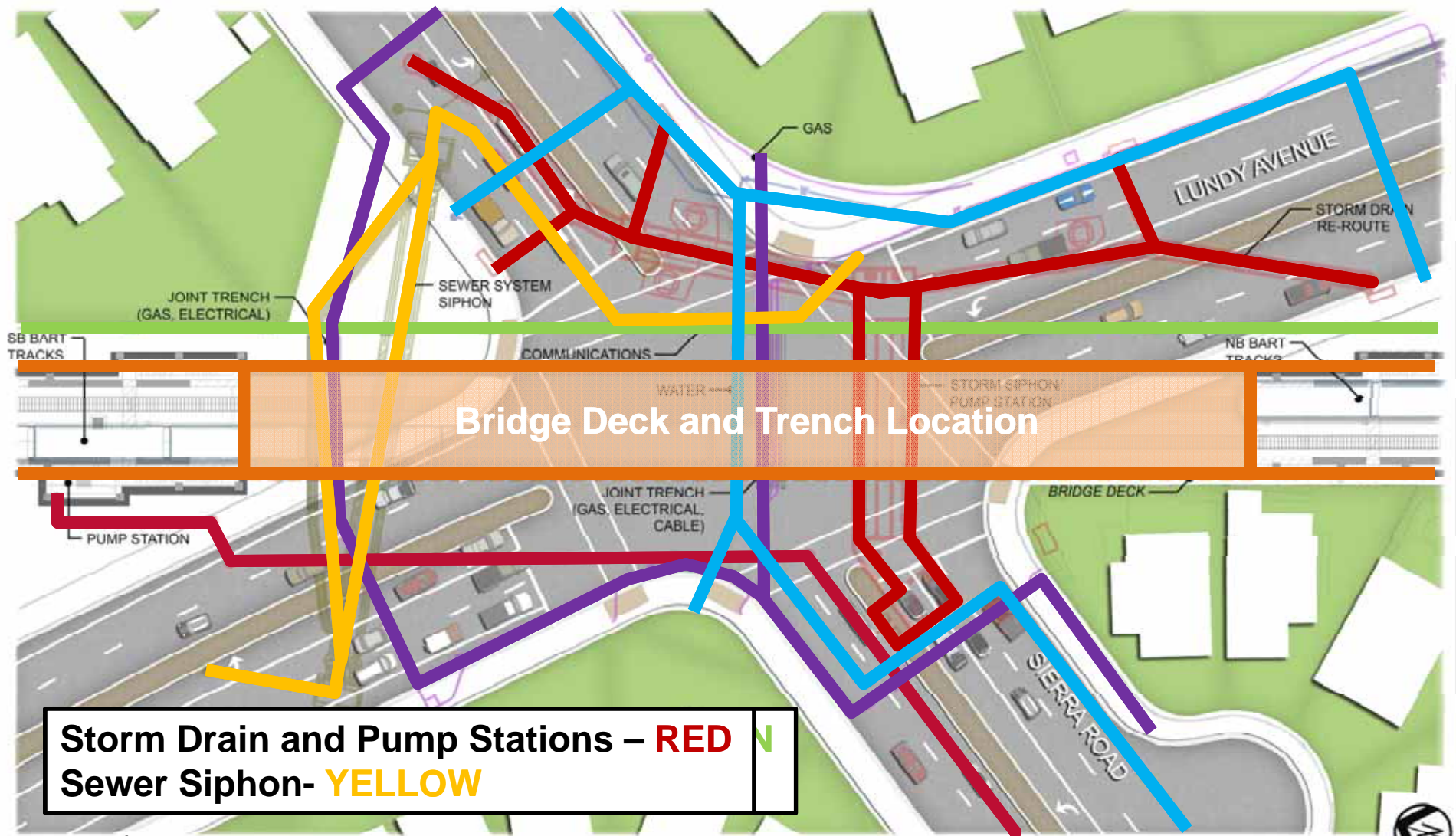


# Community Interest

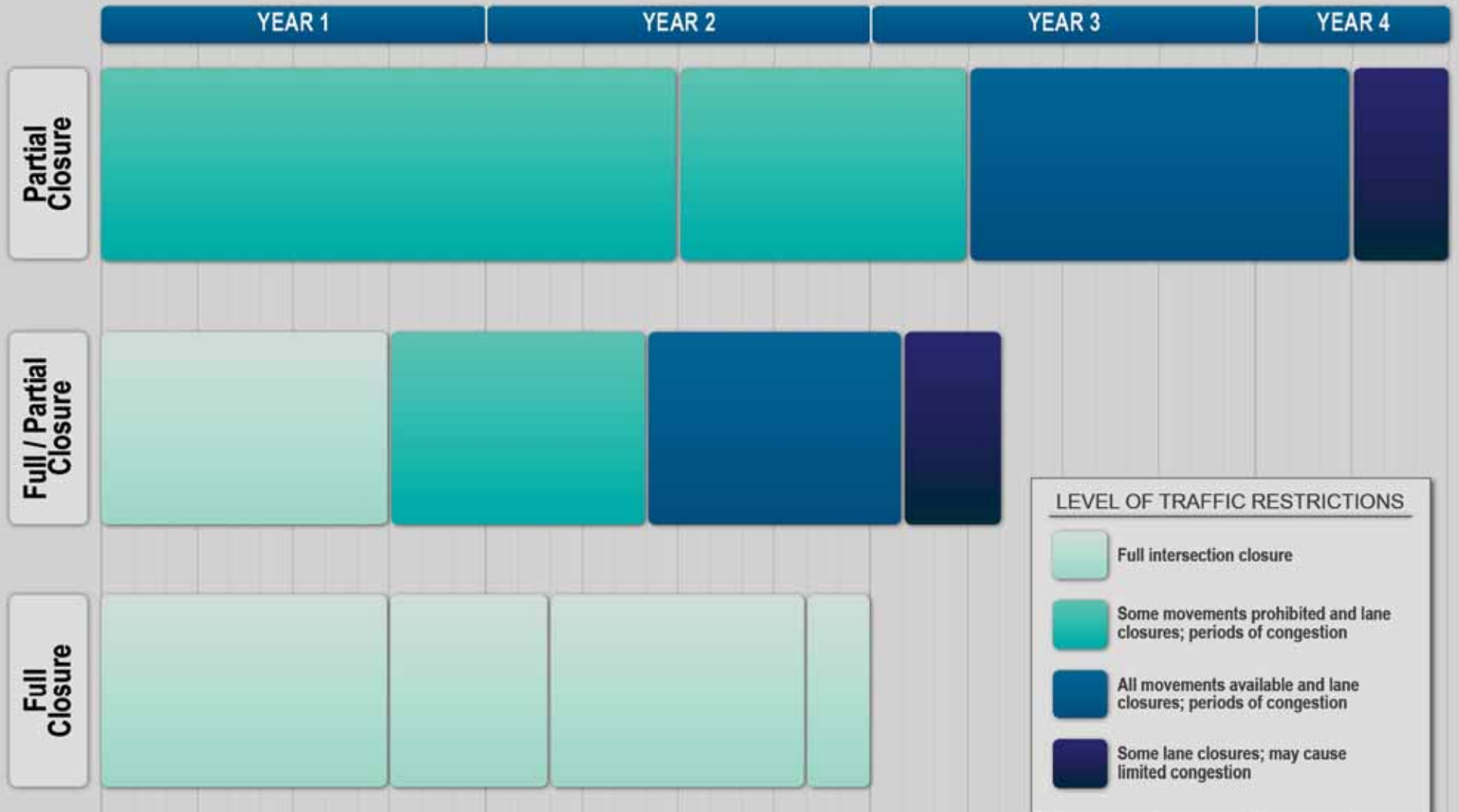
- Sierra/Lundy overview
- Noise, vibration and dust mitigation
- Residential Noise Insulation Program



# Sierra/Lundy Construction Update



# Sierra/Lundy Construction Comparison



# Traffic and Emergency Access

VTA's requirement for Design Build Contractor:

- Signal modifications
- Traffic plan and detours will be developed in coordination with city
- Emergency access will be coordinated between contractor and city
- Access to adjacent businesses and/or residences will be maintained throughout construction

# Noise/Vibration Mitigation Process

Measure existing noise/vibration levels

Determine FTA noise/vibration thresholds

Estimate Project noise/vibration levels

Compare to FTA Noise/Vibration Criteria

Determine if mitigation is warranted



# Noise/Vibration/Dust and Mitigation

## Construction Source

- Heavy equipment activity
- Trench excavation and construction
- Demolition
- Construction dust

## Construction Mitigation

- Construction time periods
- Temporary noise barriers
- Periodic monitoring
- Construction area watering
- Street sweeping



Example: Temporary noise barrier



# Noise/Vibration and Mitigation

## Operations Source

- Train operations
- Station Transit Centers

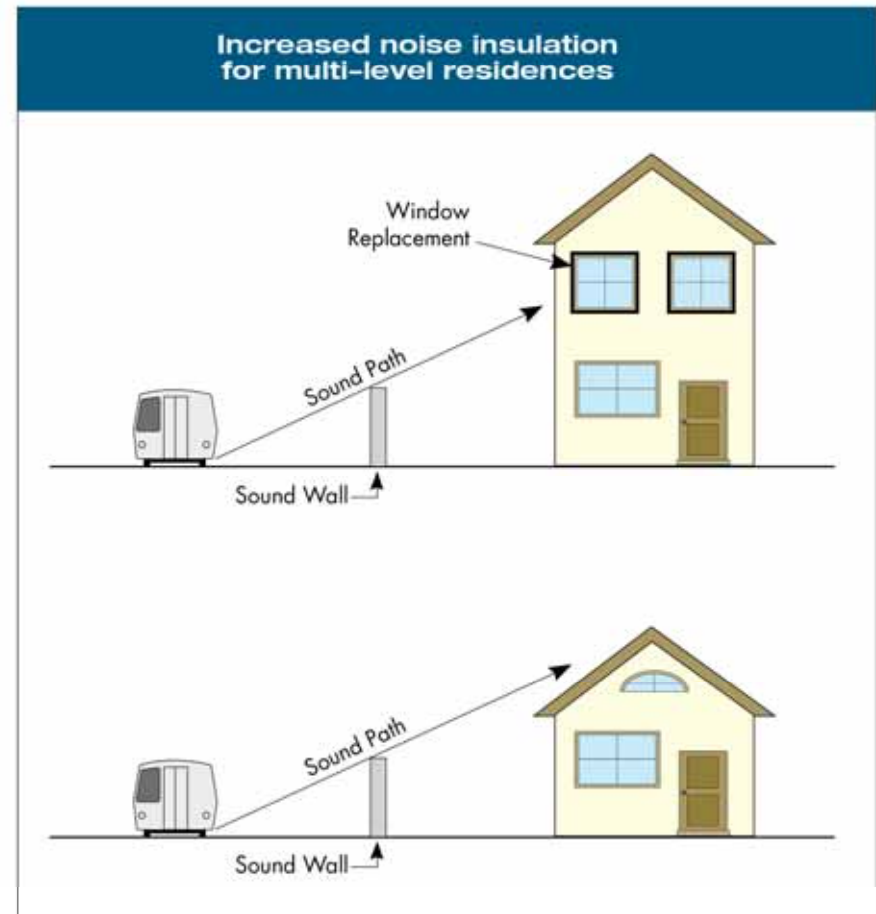
## Operations Mitigation

- Sound walls
- Track bed vibration control
- Residential Noise Insulation Program



# Residential Noise Insulation Program

- Provide noise insulation improvements for multi-story residences
- Eligible residences will be identified through noise studies
- Program steps:
  - Outreach and noise measurements (**Current**)
  - Determine eligibility
  - Design insulation improvements
  - Owner approval
  - Contractor installation



# Visit Open House Stations

Community Outreach/Ambassadors  
Residential Noise Insulation Program  
Environmental  
Engineering and Construction  
Real Estate  
Station Areas



Questions?

Community Outreach Hotline:  
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