



# Route 1/17 Merge Lanes Project



# Hwy 1/17 Widening for Merge Lanes Project



## Caltrans Presenters

**Luis Duazo - Project Manager**

**Bryan Parker - Landscape Architecture**

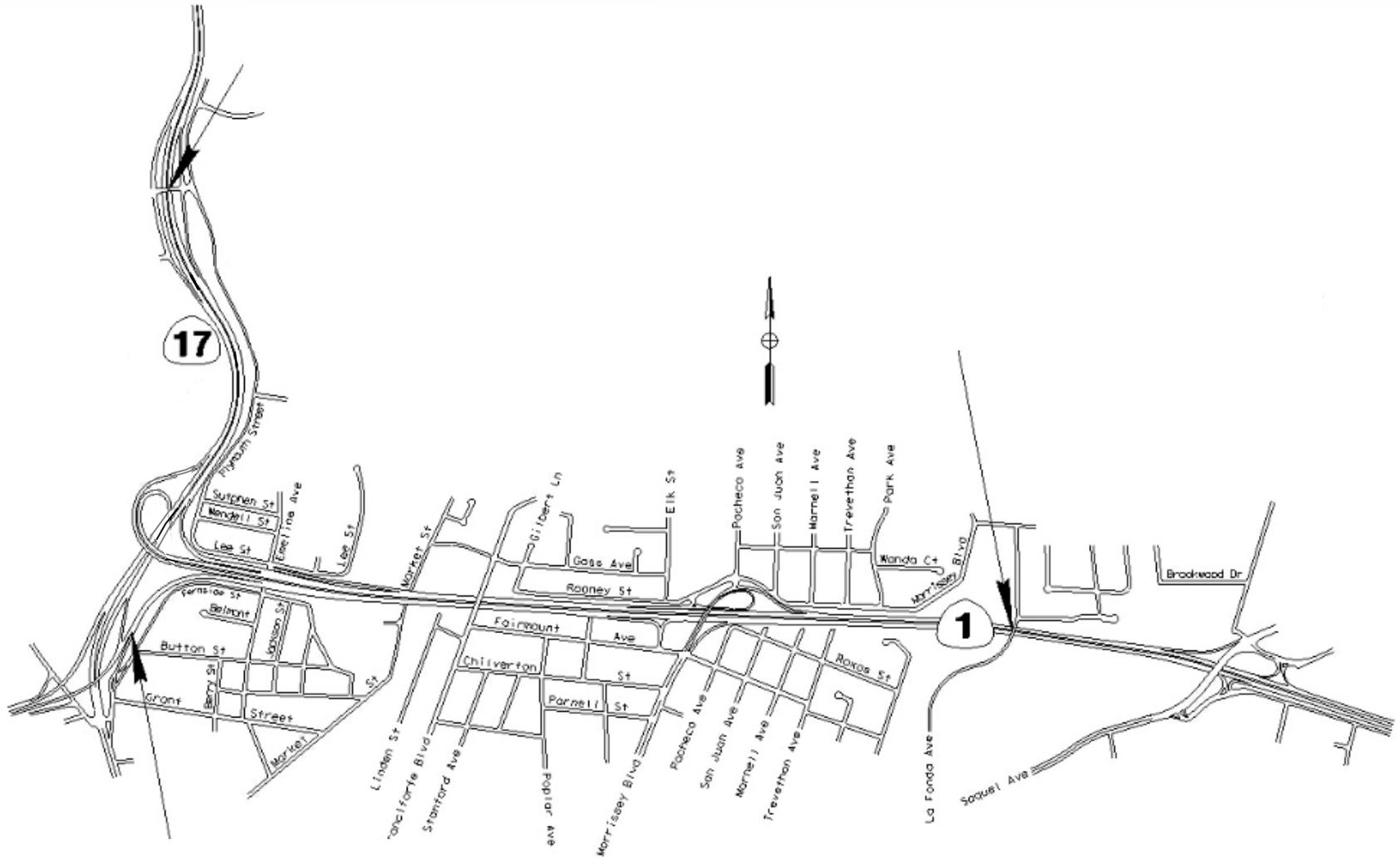
**Mike Lim - Design**



# Project Management

- ◆ **Project Location**
- ◆ **Purpose and Need**
- ◆ **Funding and Schedule**
- ◆ **Project Features**
- ◆ **Public Awareness Campaign**

# Project Location





# Project Purpose & Need

- ◆ Improve Safety and Operation of the Interchange



# Funding

- ◆ Project Cost - \$52 Million
- ◆ First Funded in 1988 STIP
- ◆ Must be Ready For Construction to be Eligible

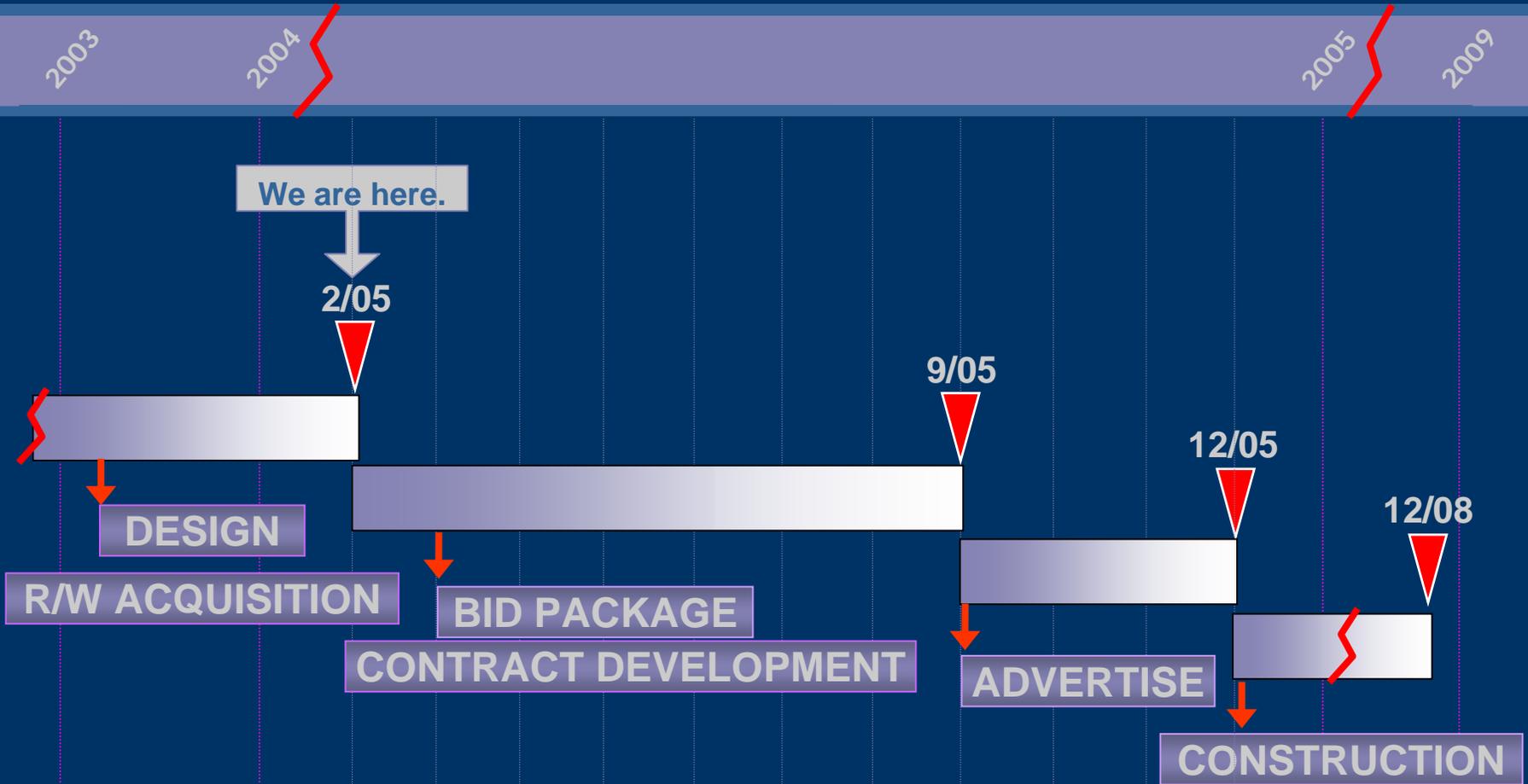


# Funding

- ◆ Priority Project Per State Criteria
- ◆ If STIP Allocation 05/06 FY,  
Construction Will Start Next Winter
- ◆ If No STIP Allocation, Construction  
Starts Later



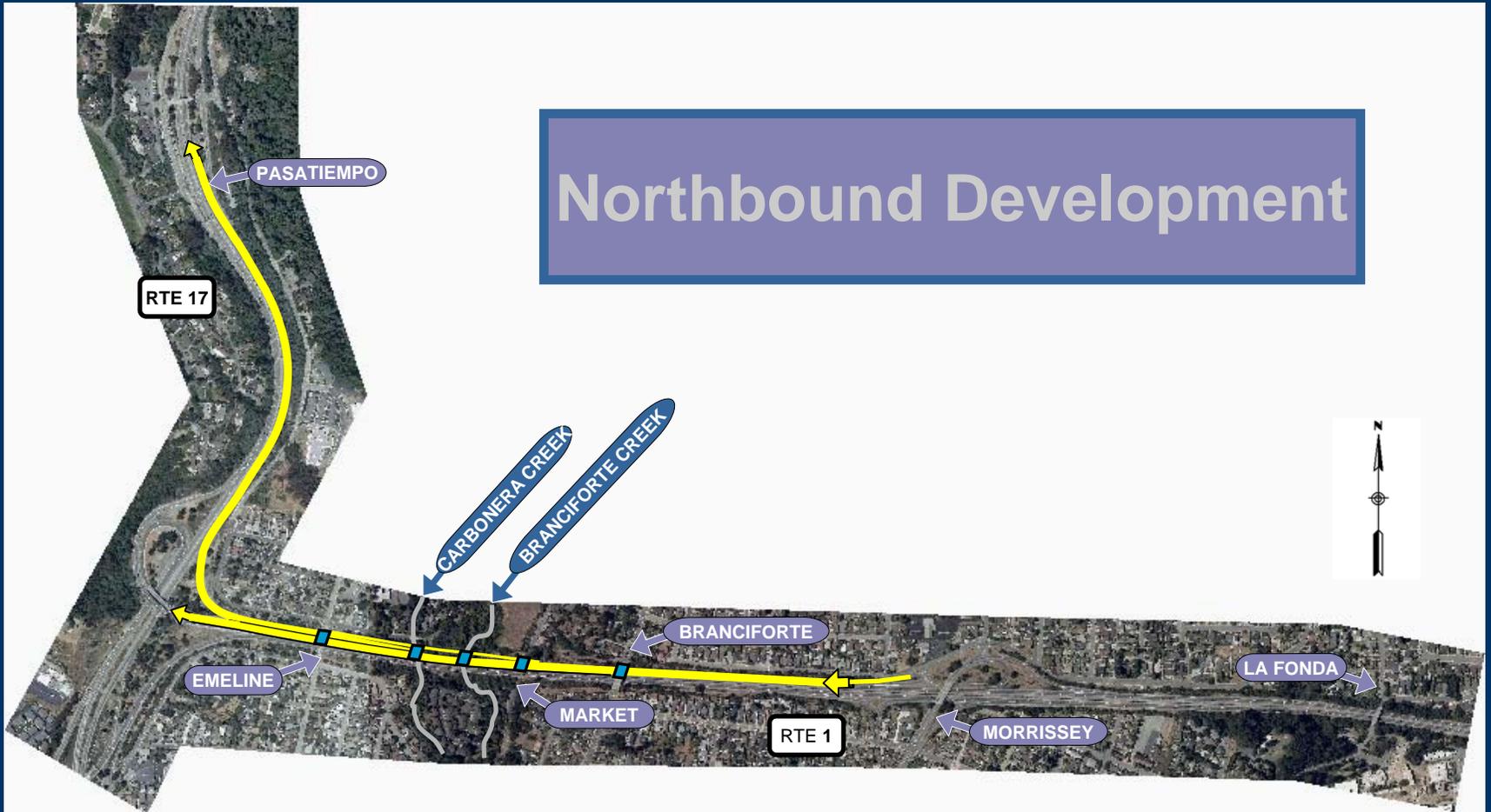
# Schedule Timeline



Note: Schedule Based on STIP Funding in FY 05/06

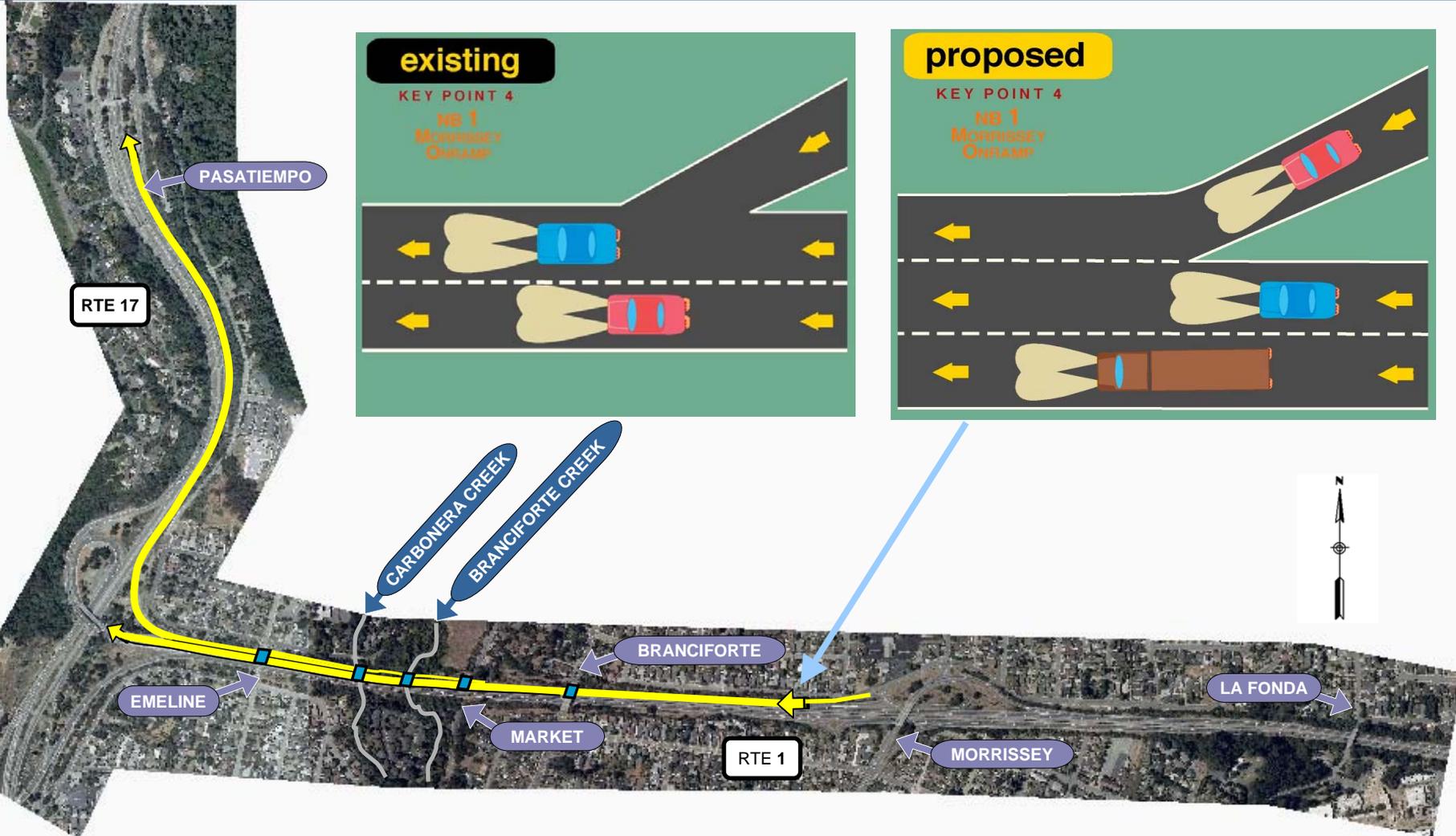


# Route 1/Route 17 Widening for Merge Lanes Project Features



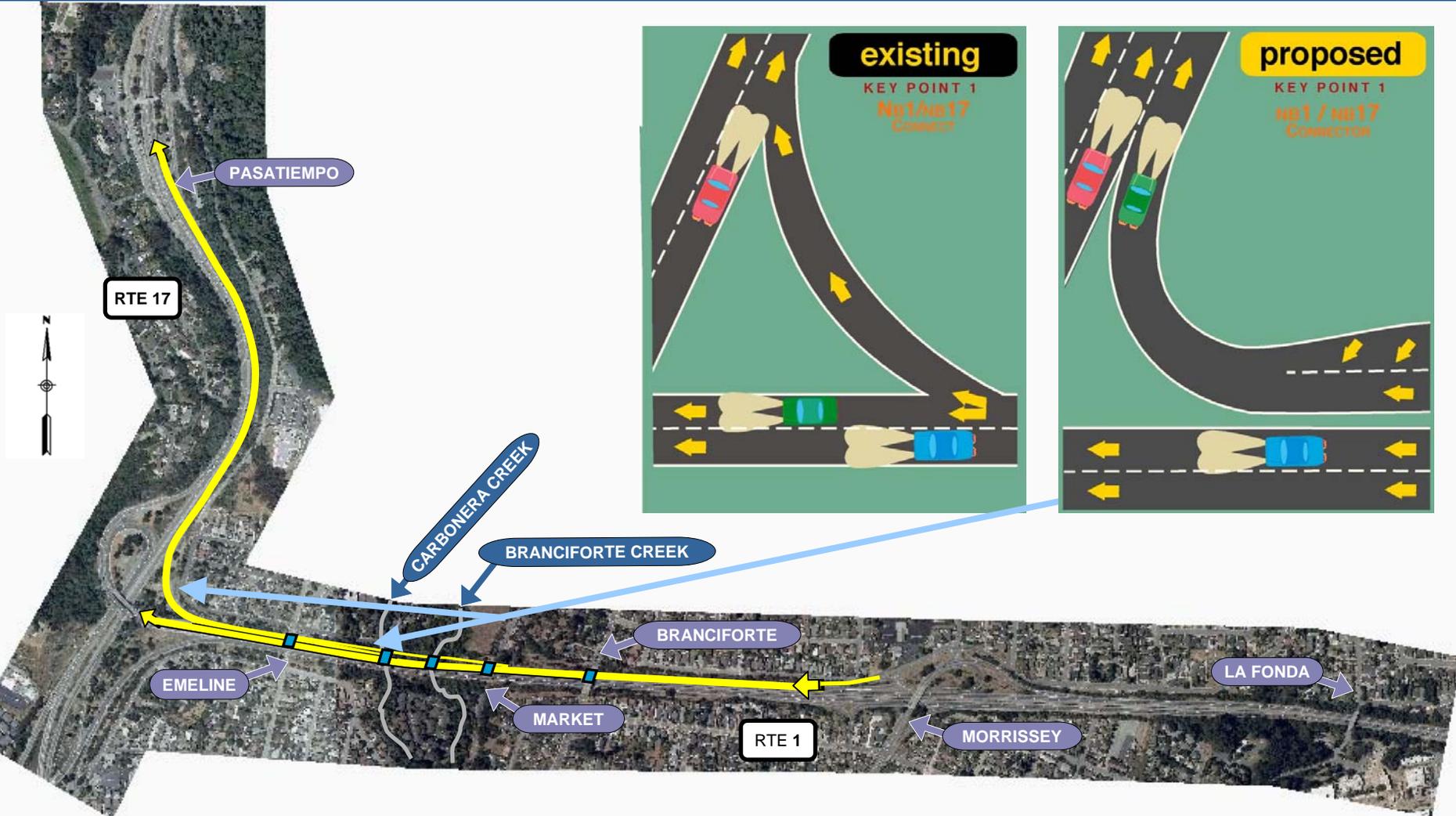


# On Route 1 Northbound at Morrissey Onramp





# On NB Route 1 to NB Route 17 Connector



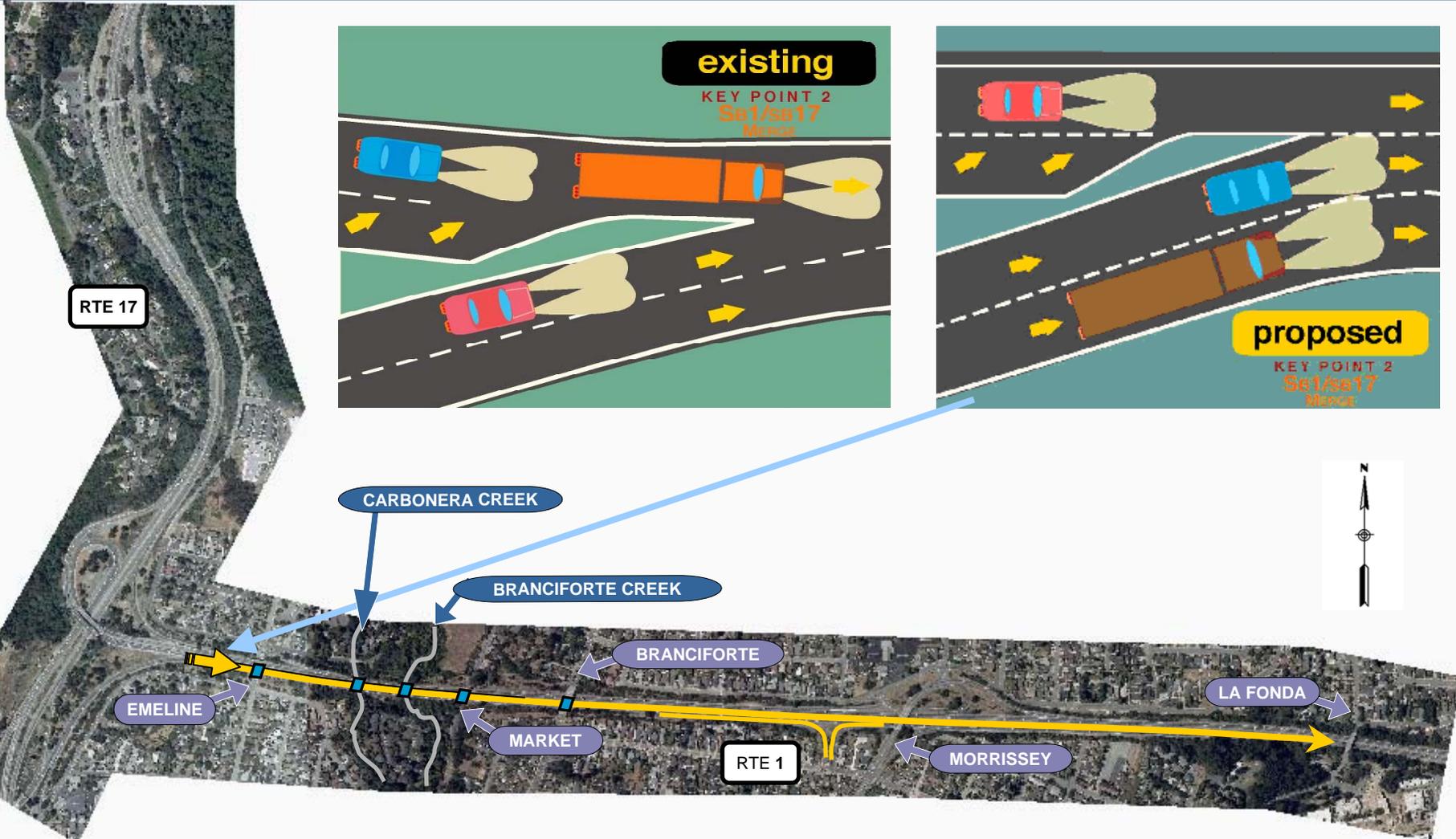


# Route 1/Route 17 Widening for Merge Lanes Project Features



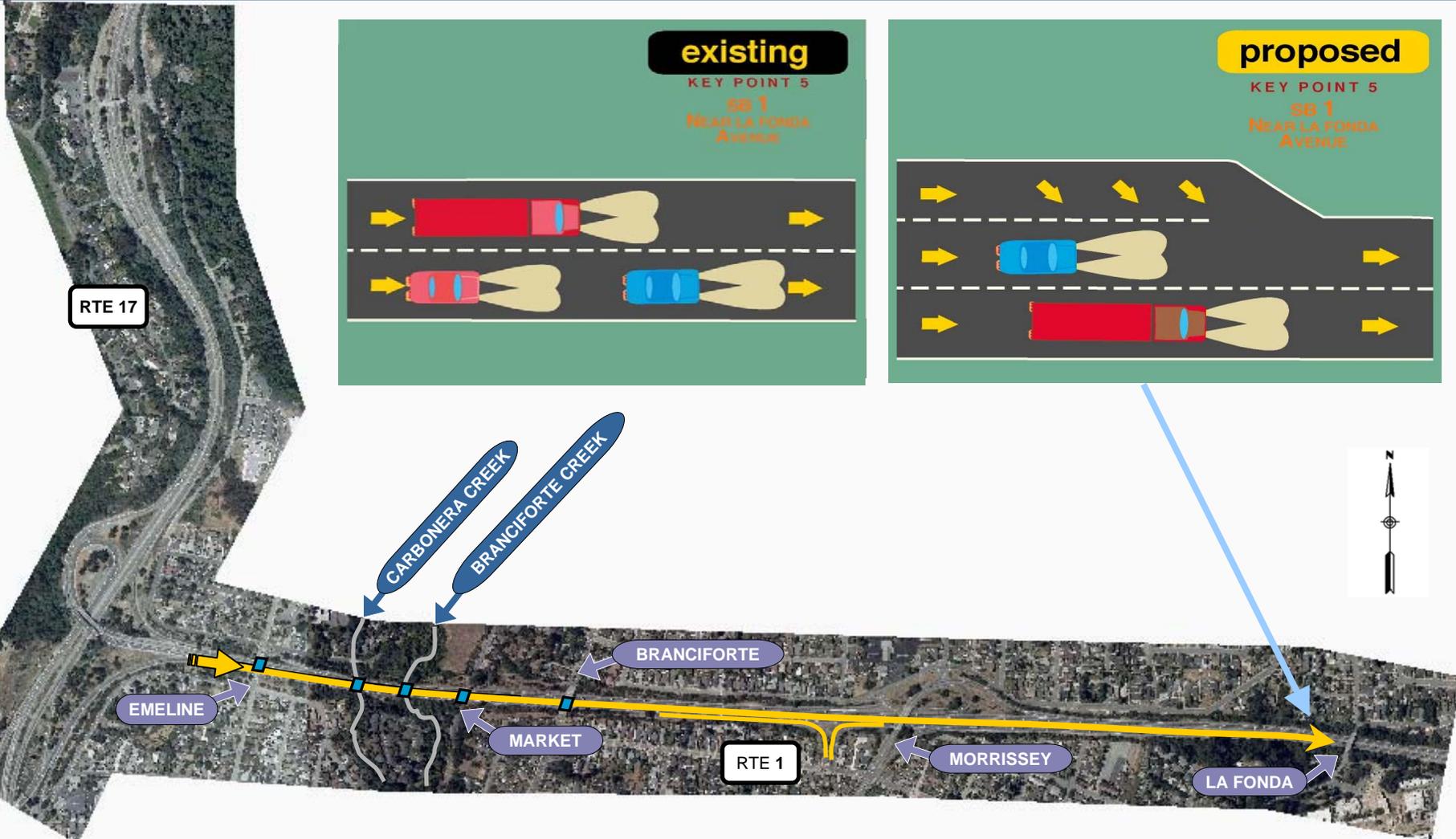


# On Route 1 Southbound at Route 17 Connector





# On Route 1 Southbound at La Fonda Overcrossing





# Public Awareness Campaign

- ◆ **Coordination with City of Santa Cruz**
- ◆ **Hwy 1/17 Website Information**
- ◆ **Links to SCCRTC Website**  
([www.sccrtc.org](http://www.sccrtc.org))
- ◆ **Initial Mailer/News Releases/  
Traffic Notices**
- ◆ **Contact Information**



# Hwy 1/17 Website

- ◆ [www.dot.ca.gov/dist05/projects/scr\\_1\\_17/](http://www.dot.ca.gov/dist05/projects/scr_1_17/)
- ◆ Project Information Fact Sheet
- ◆ Frequently Asked Questions (FAQ)
- ◆ Soundwall Information
- ◆ Project Status Reports
- ◆ Website Links



# Initial Mailer/Press Releases/Traffic Notices

- ◆ Initial postal mailing 6 months prior to construction (to zip codes 95060, 95061, 95062, 95063, and 95065)
- ◆ Initial press releases sent 3 months before construction to the public and stakeholders
- ◆ Regular project updates thereafter



# Contact Information

## ◆ Public Affairs website address:

<http://www.dot.ca.gov/dist05/paffairs/release.htm#scr>

## ◆ E-Mail:

[info-d5@dot.ca.gov](mailto:info-d5@dot.ca.gov)

## ◆ Local Information Number

**(831) 423-0396**

**Local Information Number is from the Santa Cruz area.  
The calls will be transferred to the Public Information Department.  
TDD & Spanish language/translation is available under this number.**



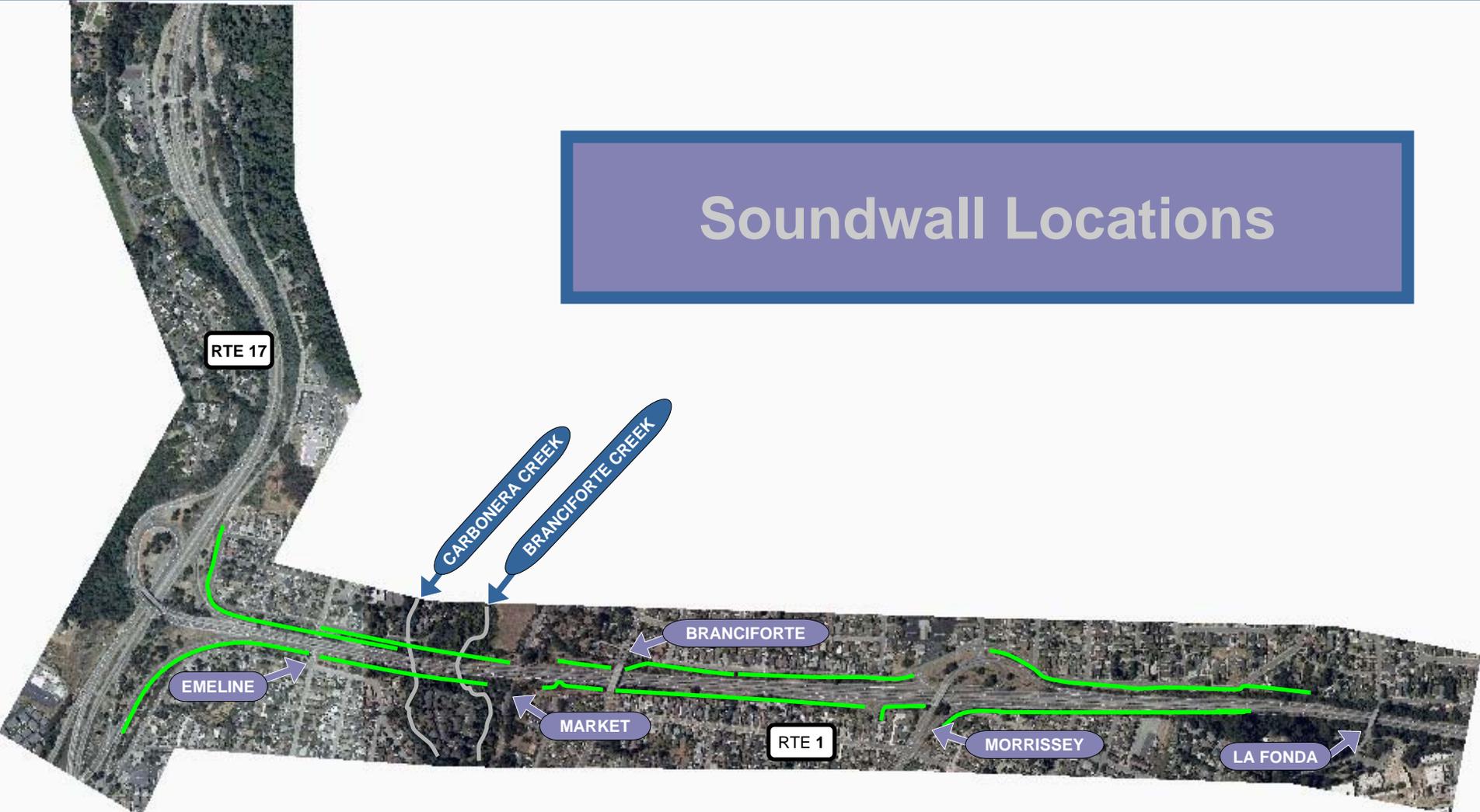
# Landscape Architecture

- ◆ **Soundwall Designs**
  - **Soundwall Locations**
  - **Typical & Accent Soundwalls**
  - **Wave Soundwall**
- ◆ **Landscape Plans**
  - **Tree Surveys/Removals**
  - **Preservation Strategy**
  - **Replacement Planting**

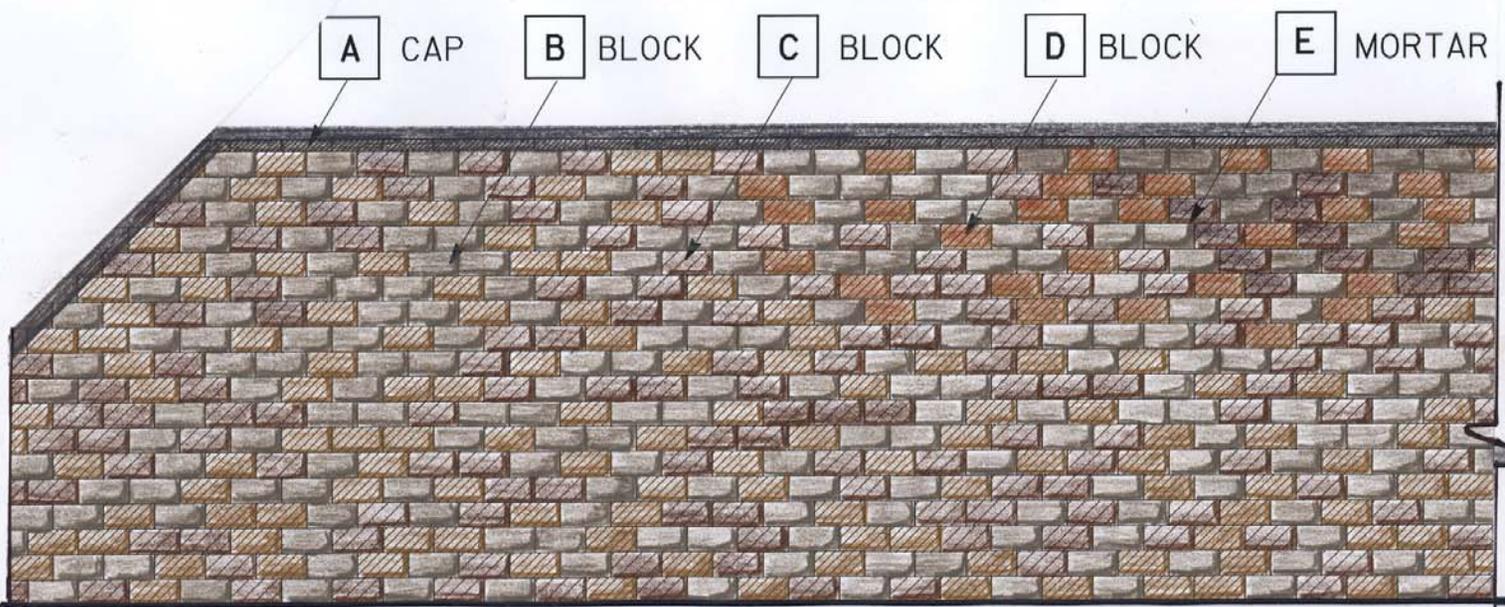


# Route 1/Route 17 Widening for Merge Lanes Soundwall Locations

## Soundwall Locations



# Soundwall (Typical)



SOUNDWALL - TYPICAL - 8" X 8" X 16" SPLIT-FACE MASONRY BLOCK

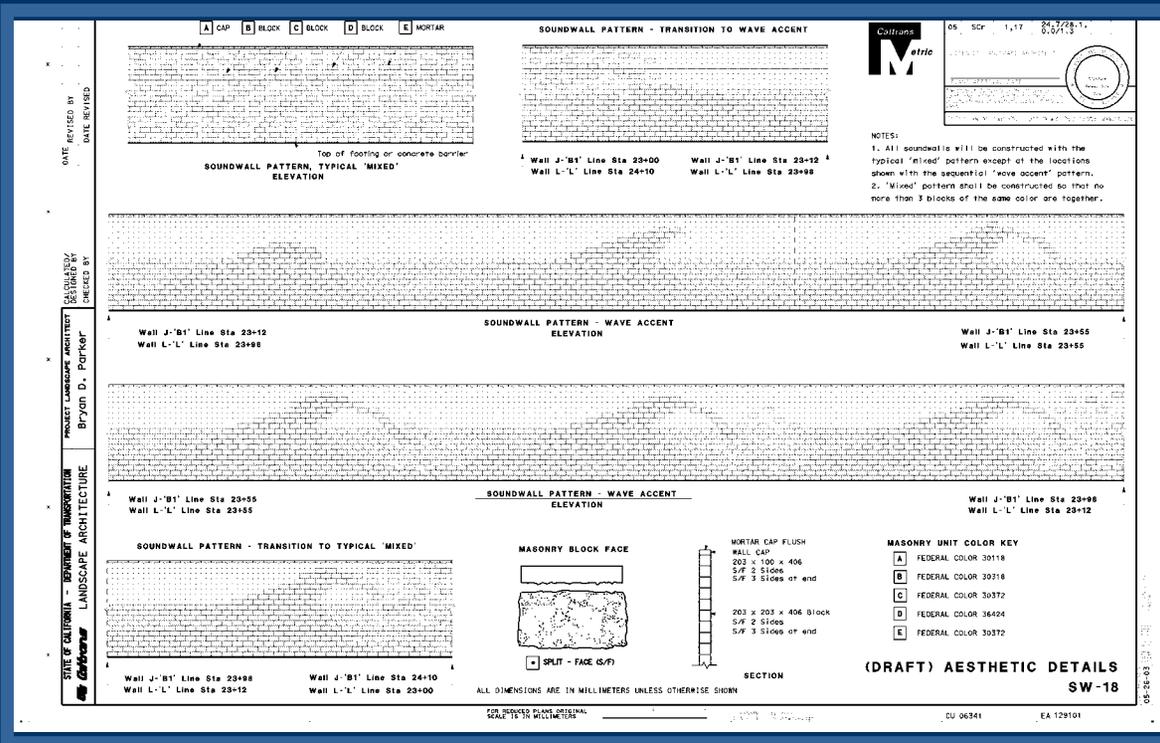
- ◆ This rendering shows the mixed pattern and variations of the basic color palette selected for most of the proposed project soundwalls.

# Accent Soundwall Location



- ◆ One section of sound wall cannot be planted. This section will be an 'accent wall' with a different pattern.
- ◆ Location of accent wall (approx. 350 ft long)  shown with **red arrows** between Emeline and Carbonera Creek.
- ◆ View is looking southbound from Fish- hook with Branciforte overcrossing at top.

# Accent Soundwall Design



- ◆ This is the original design proposed by Caltrans. It shows a sequential breaking wave that fades in and fades out.
- ◆ We were asked to generate some new options by SCCRTC at the June 5, 2003 meeting.

# Abstract Accents



- ◆ Varying color and texture with regular pattern.

# Abstract Accents



- ◆ Rendering of a wall with varying colors in a repeating pattern, 'Ripples'.

# Abstract Accents



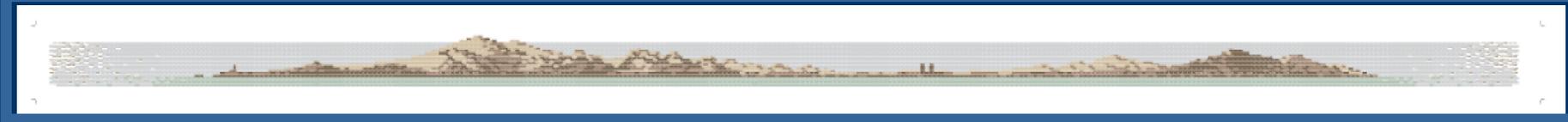
- ◆ Repeating Ripples- Blocks are the same colors as regular soundwalls.
- ◆ Determined to be monotonous and not representative of Santa Cruz area.

# Mountain Views



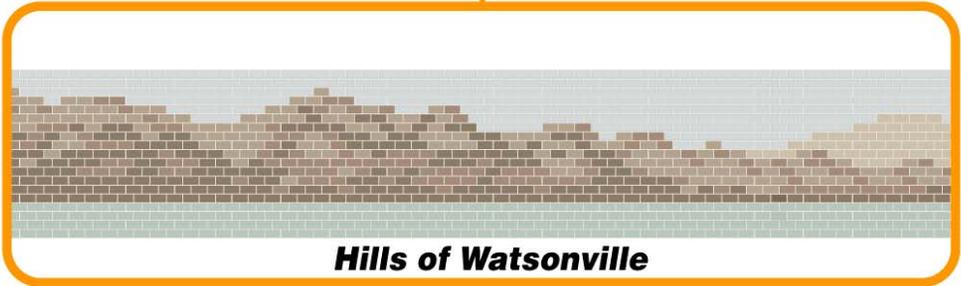
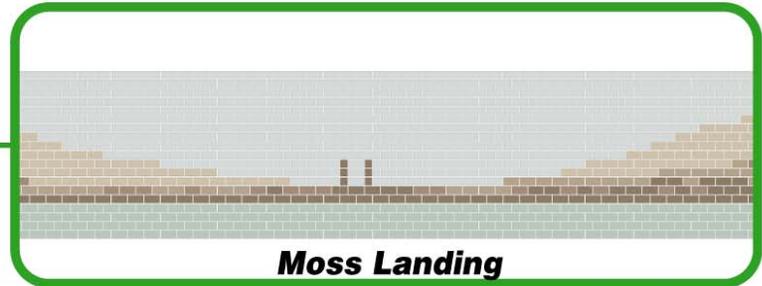
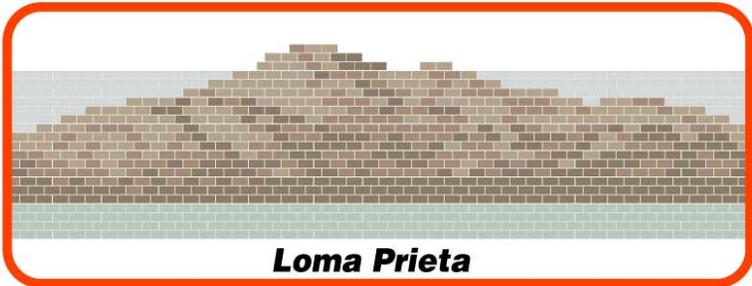
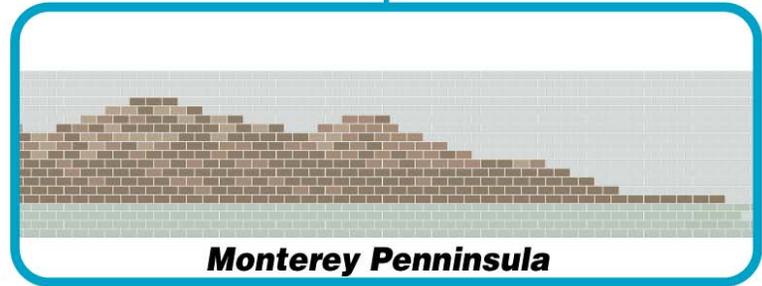
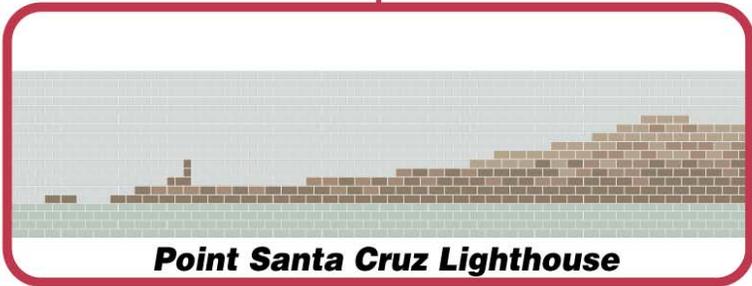
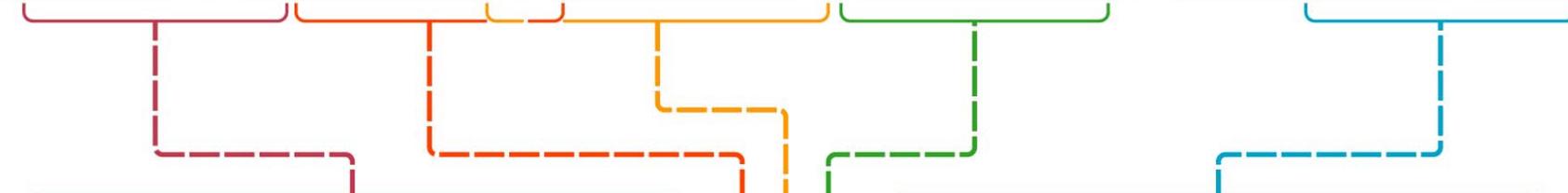
- ◆ This rendering was developed to show a possible mountain mural design with different block colors and variable wall profile. (Not an accurate representation of the Santa Cruz Mountains)

# Santa Cruz Skyline

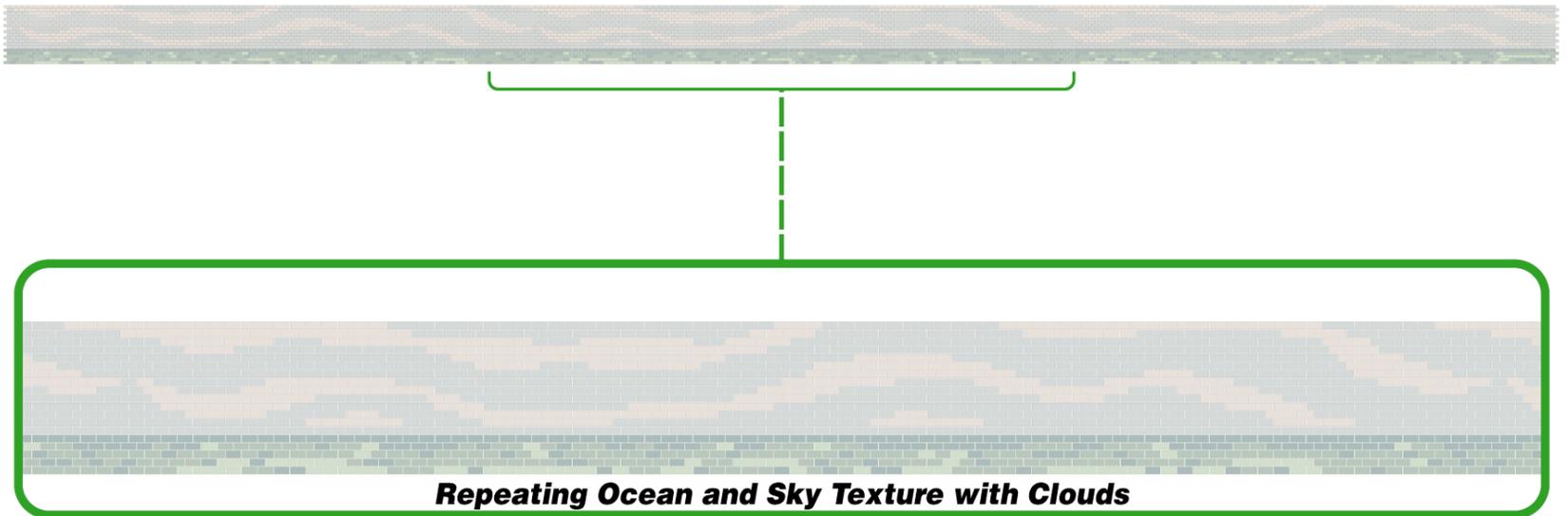


- ◆ This design shows a panorama of the Santa Cruz skyline as if viewed from the beach.
- ◆ It requires using a variety of block colors other than the four standard soundwall block colors.

# ***Santa Cruz Soundwall: Mural Design***



## ***Santa Cruz Soundwall: Ocean/Sky Design***



- ◆ Design on opposite side of freeway should not repeat the mountain skyline theme.
- ◆ This design represents an ocean view.

# Tree Surveys



Caltrans' survey covered  
2/3 of the project.



Trees were identified  
by species and size.



# Tree Preservation Strategy



Caltrans will save all trees possible.  
Landmark trees will be protected.

There is a 2:1 replacement  
strategy.

A certified arborist will be on call.



# Design

- ◆ **Sound Attenuating Pavement Options**
- ◆ **Alternate Sound Wall Material**
- ◆ **Construction Staging - Schedule**
- ◆ **Street Closure Plan - Detours**
- ◆ **City Requested Improvements**
- ◆ **Pedestrian and Bicycle Issues**



# Sound Attenuating Pavement Options

- ◆ Open Graded Asphalt
- ◆ Rubberized Open Graded Asphalt



# Alternate Sound Wall Materials

## ◆ Quilite

- Sound Absorbing / Clear

- Not Used

- Not Approved for Highway Use

- Too Urban Looking



# Construction Staging

- ◆ Construction Staging - Three Major Stages, A +B Bidding
- ◆ Creek Bridges - Critical, Work Only between Jun 15- Oct 31
- ◆ Emeline Ramp - Two or Three Year Closure
- ◆ Branciforte Bridge - One Year, Mostly Daytime Work
- ◆ Soundwalls - Early Stages, Mostly Daytime Work
- ◆ Freeway Closures - Night Only, 2 Lanes Open Each Direction



# Route 1/17 Merge Lane Project Schedule

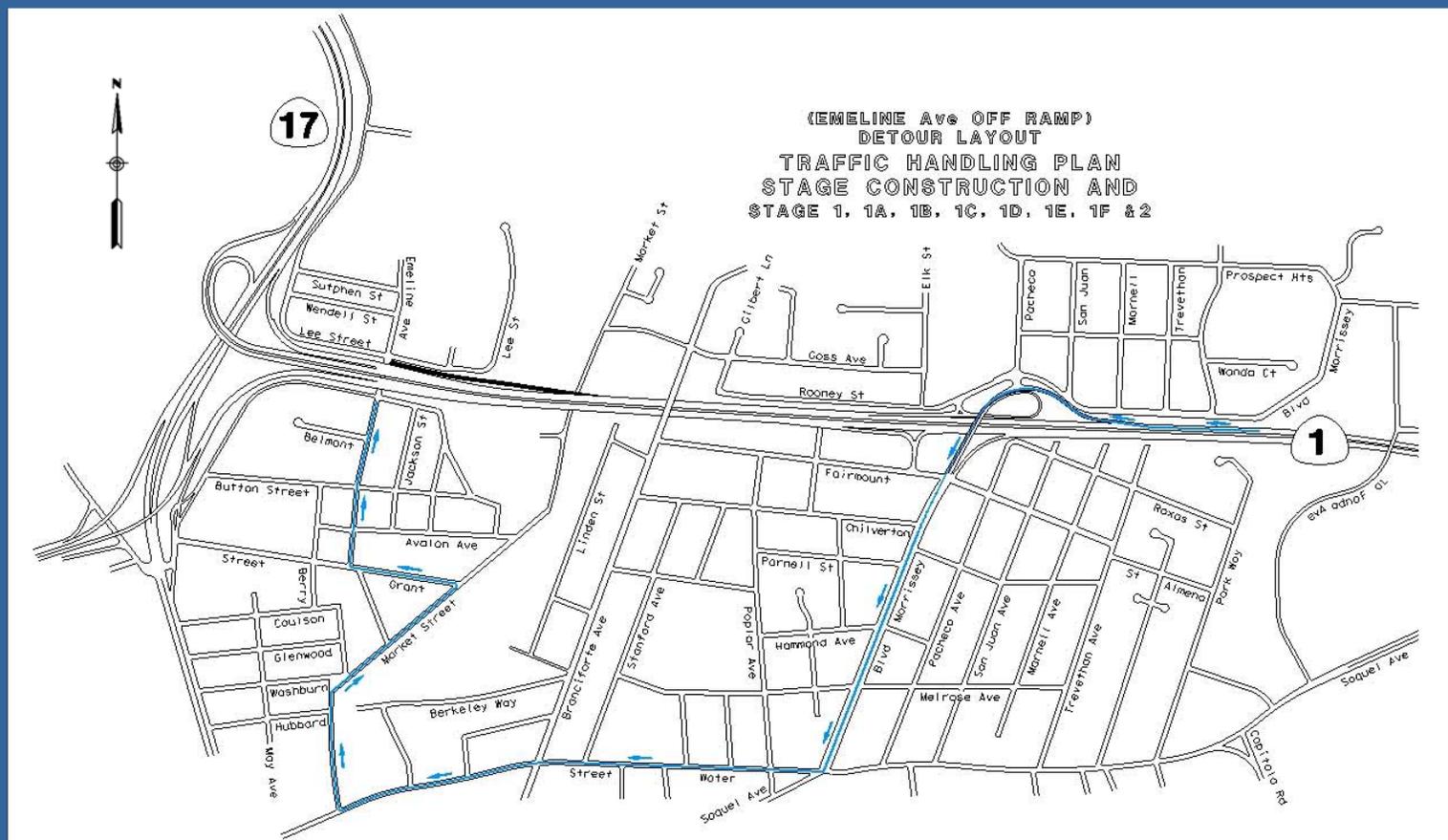
Year 1				Year 2				Year 3				
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
<p>On Route 1 between La Fonda and Emeline - Soundwalls, Structures, Retaining Walls, portions of Median and Outside Widening</p> <p>On Route 17 - Soundwall, Widening, Retaining Wall</p>												
					<p>On Route 1 between Branciforte and Route 1/17 - Structures, portions of Median and Outside Widening</p>							
										<p>Final Paving, Striping, Cleanup</p>		



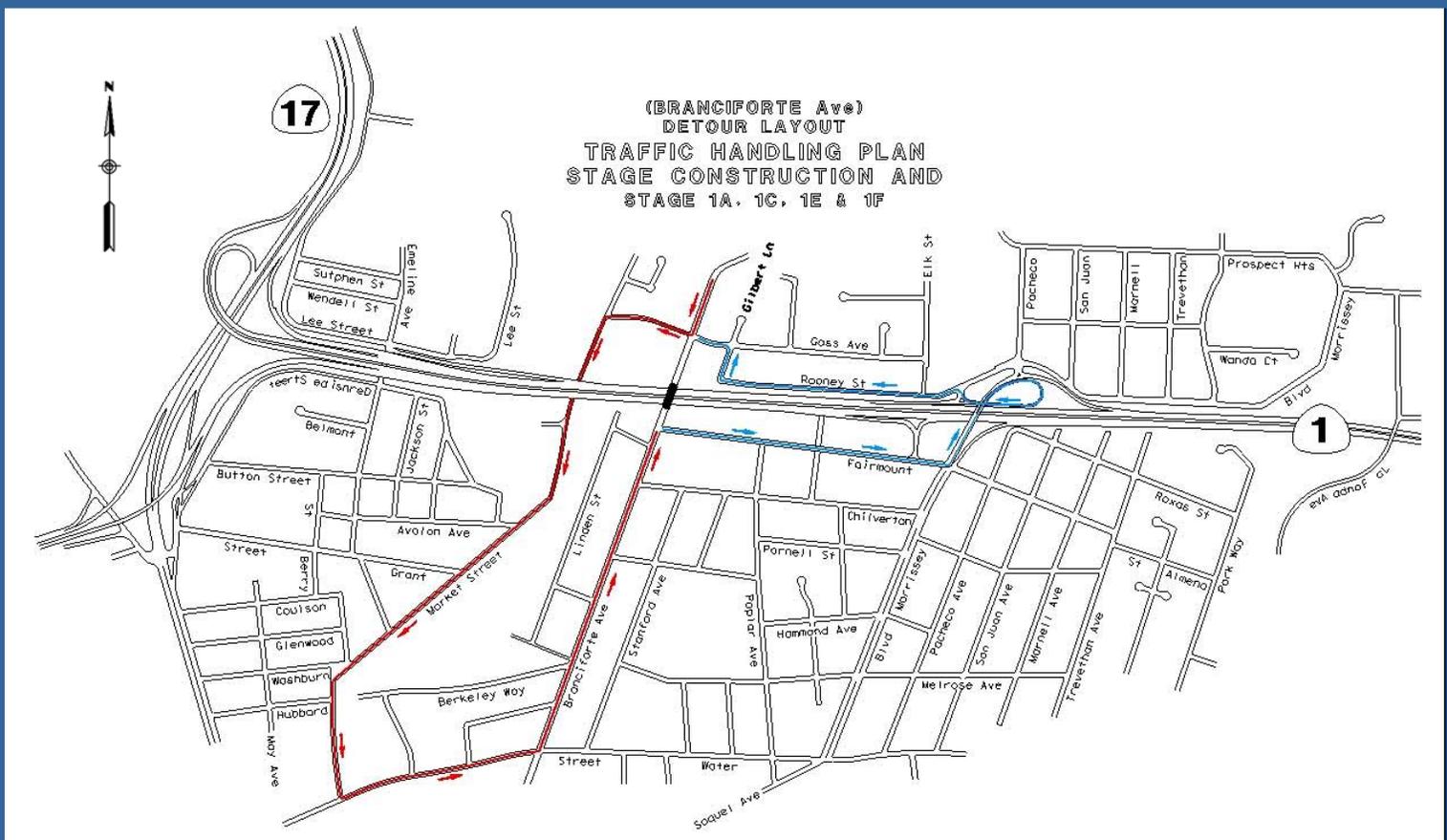
# Street Closure Plan

- ◆ Public Information Will Be Provided as Construction Staging Details Become Known
- ◆ Detour Plan for Autos, Pedestrians, and Bicycles
- ◆ Santa Cruz City Police

# Emeline Detour



# Branciforte Detour





# City Requested Improvements

- ◆ Morrissey Northbound Off-Ramp
  - Stop Sign at Intersection
  
- ◆ Market Street Sidewalk
  - Sidewalk on One Side



# Pedestrian & Bicycle Issues

- ◆ Bicycle and Pedestrian Access
  - Remain at the Same Level as Prior to Construction
- ◆ City's Future Trail Project



# Do You Have Any Questions?



