Public Information Meeting: January 23, 2017

San Antonio Bridge Replacement Project

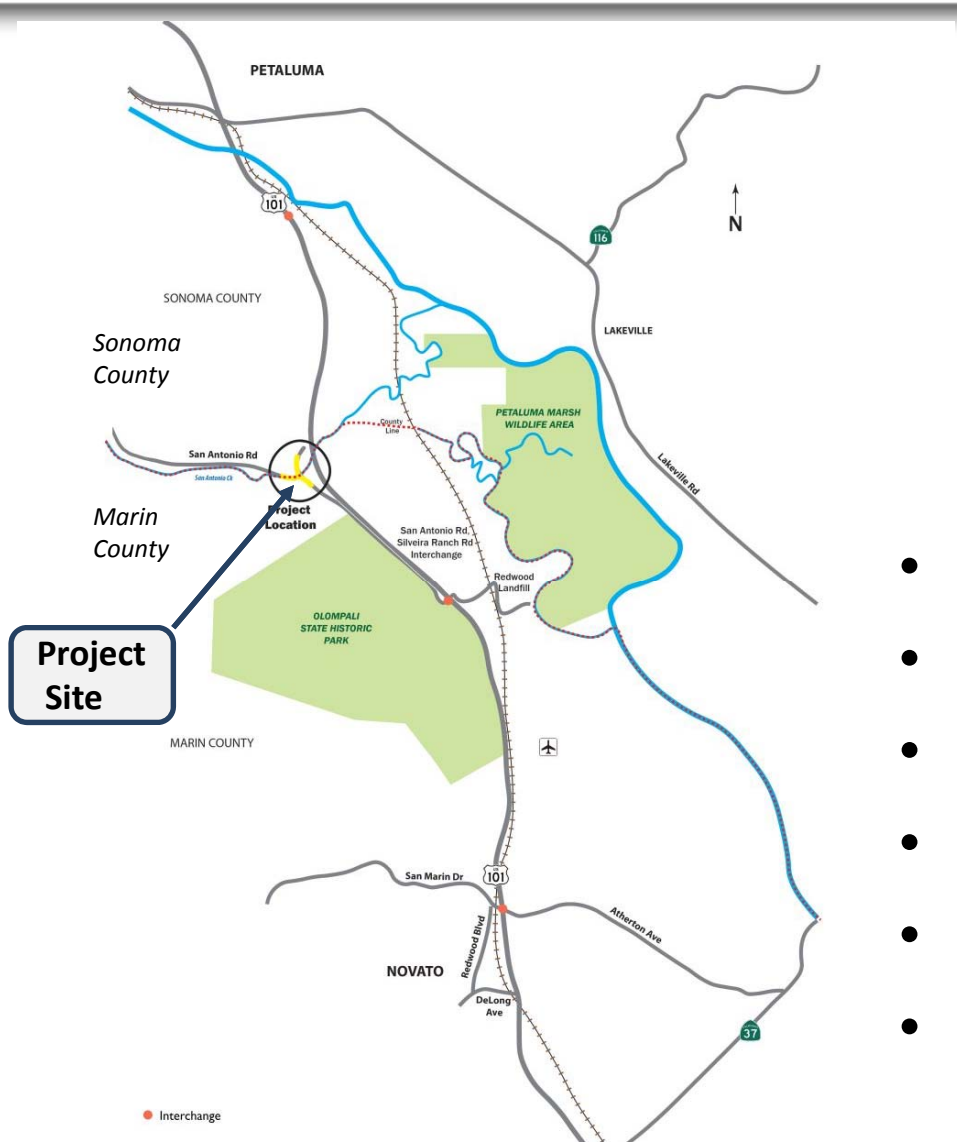
Agenda

- Introductions – Agency Roles
- Project Overview
- Why Is The New Bridge Needed?
- Proposed Improvements
- What We Heard At Last Public Meeting
- When Will The Bridge Be Built?
- Q & A
- Open House

Introductions - Agency Roles

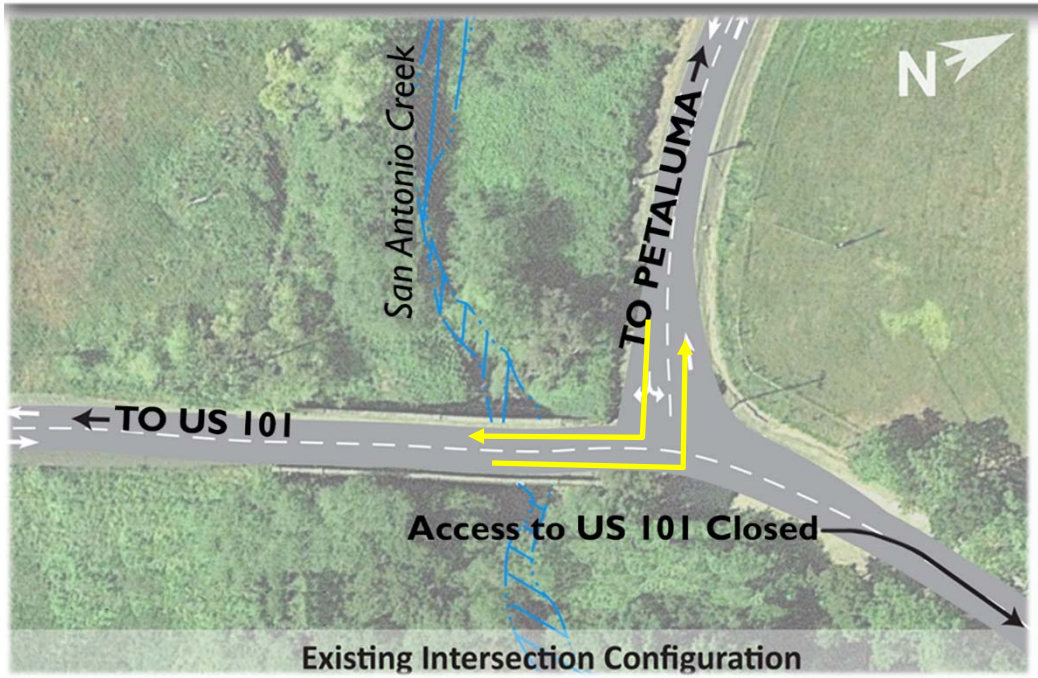
- **County of Marin** is the sponsor (lead) agency
- **TAM** was engaged by County of Marin to help manage initial development of the project
- **Sonoma County** is a partner in the project and a half owner of the bridge
- **Caltrans** is the environmental compliance lead agency for the project. Also, their Local Assistance Division administers the funding and ensures that the HBP requirements are met and that projects are delivered in accordance with the Federal and State requirements

Project Overview



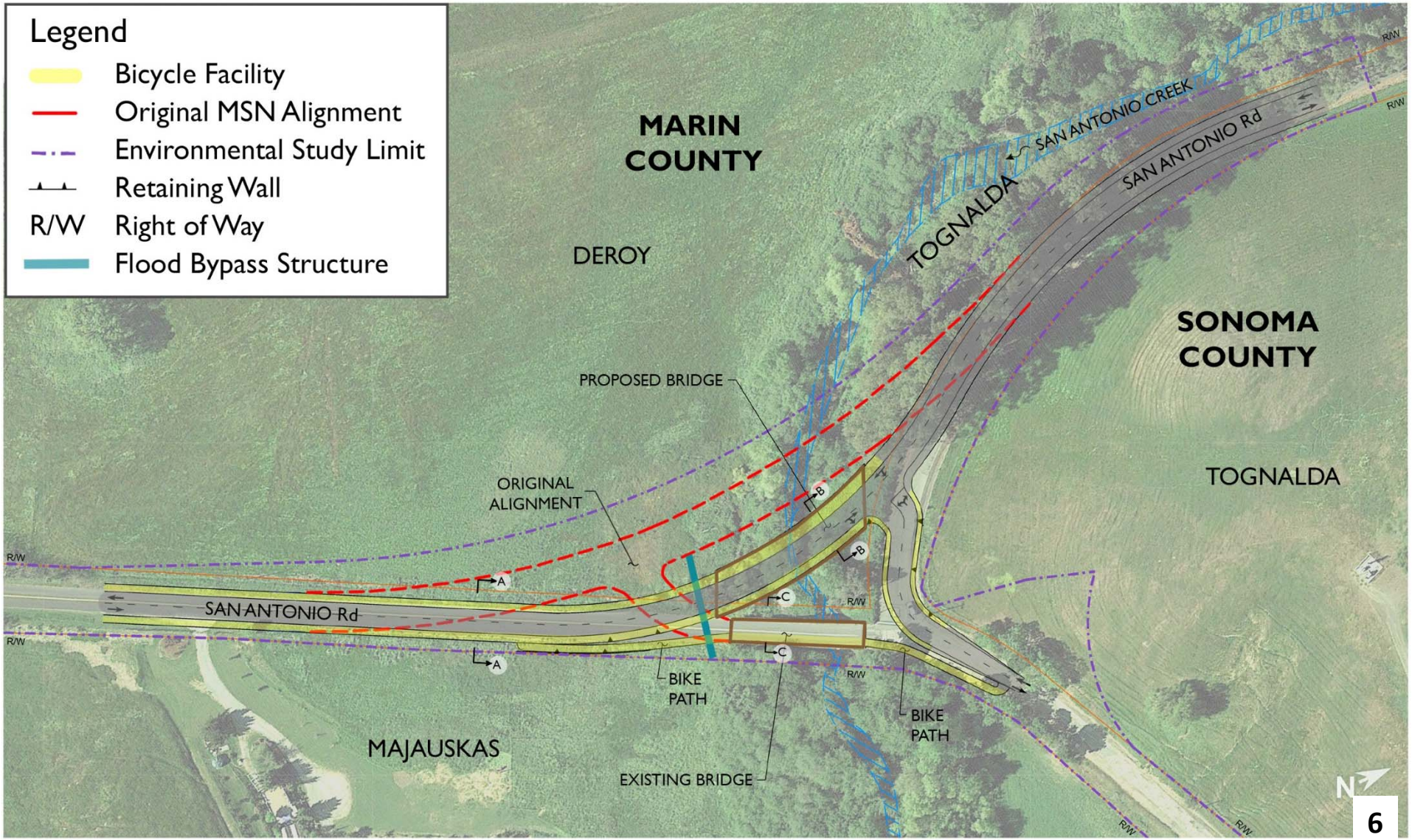
- Replace 100-Year Old Bridge
- Resolve Flooding Problem
- Provide Safe Passage
- County Project
- Environmentally Cleared
- Highway Bridge Program Funds

Why Is The New Bridge Needed ?

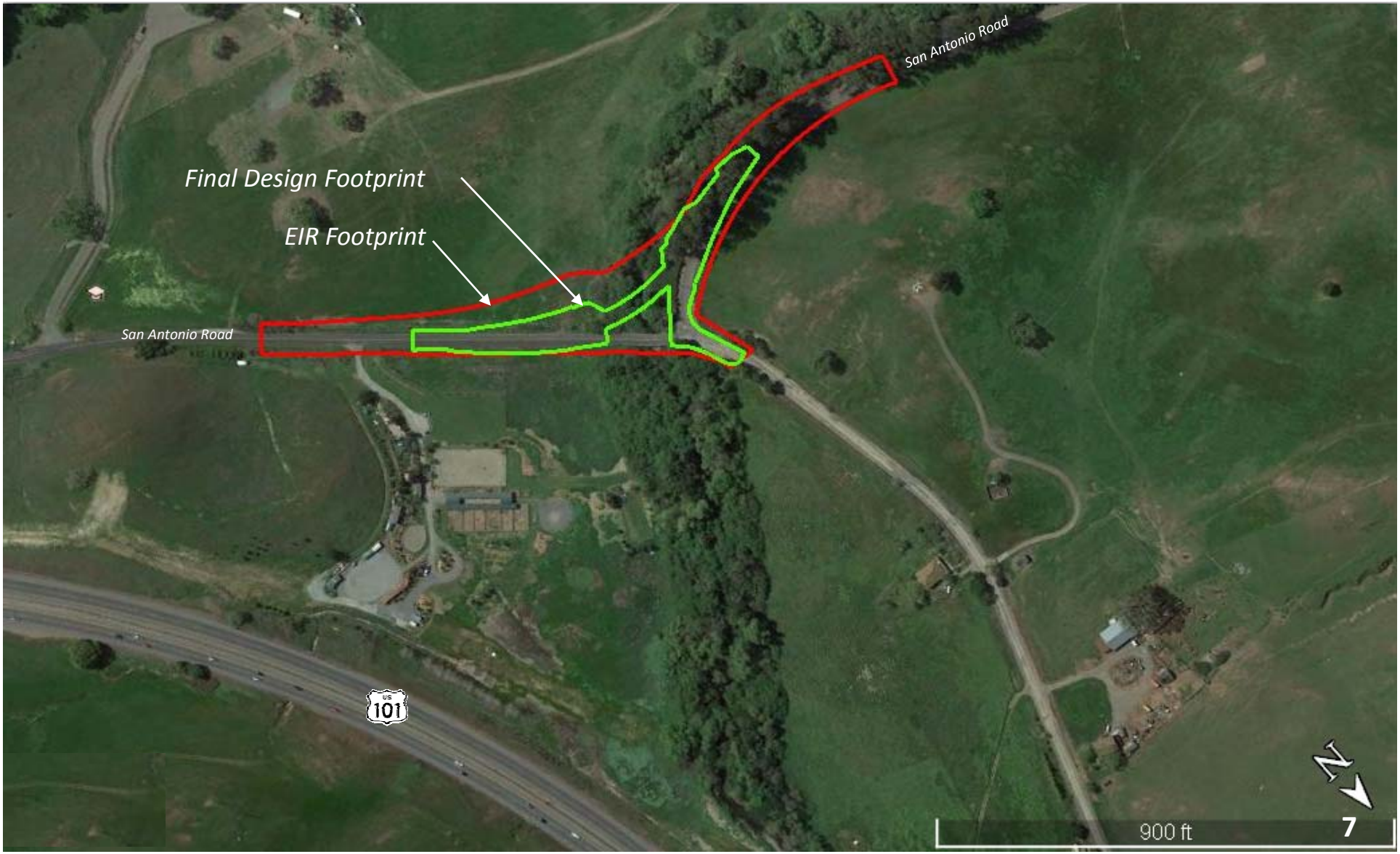



San Antonio Creek Flooding, Jan 2017

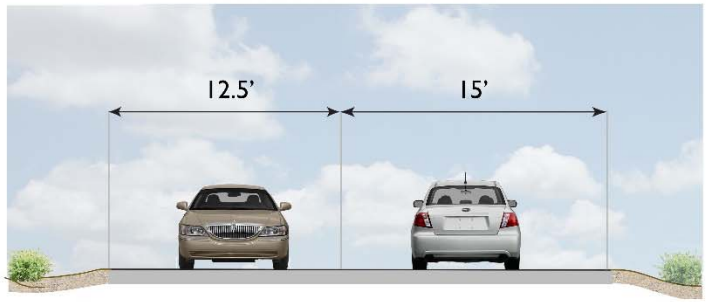
Proposed Improvements



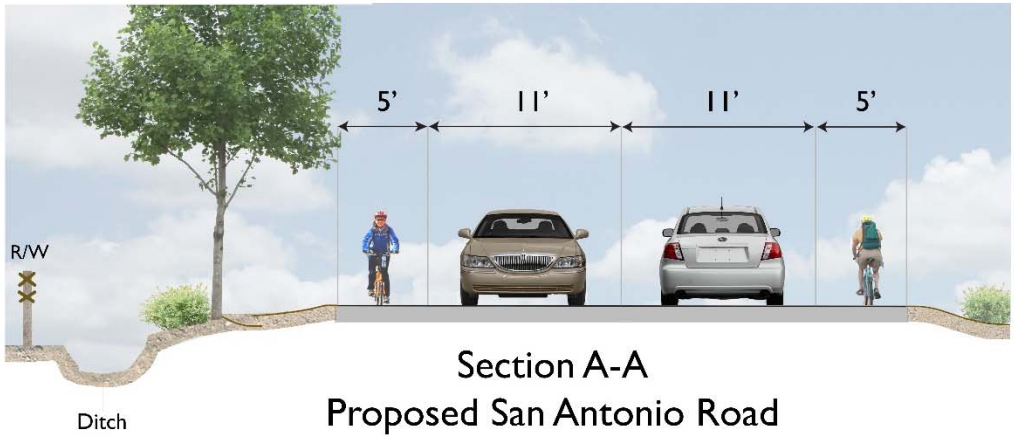
Project Footprint - EIR vs Final Design



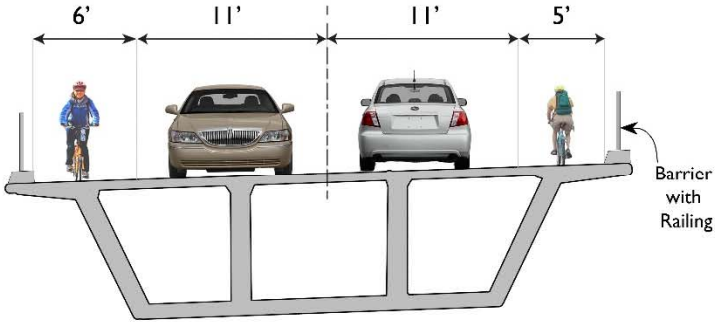
Proposed Improvements – Typical Sections



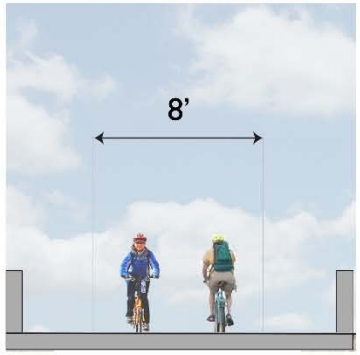
Section A-A
Existing San Antonio Road



Section A-A
Proposed San Antonio Road

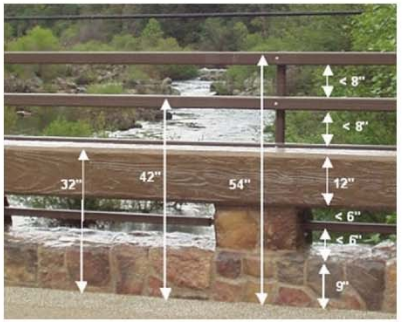


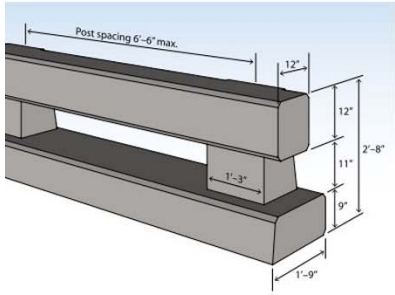
Section B-B
San Antonio Bridge
Cast-in-place Prestressed Concrete Box Girder



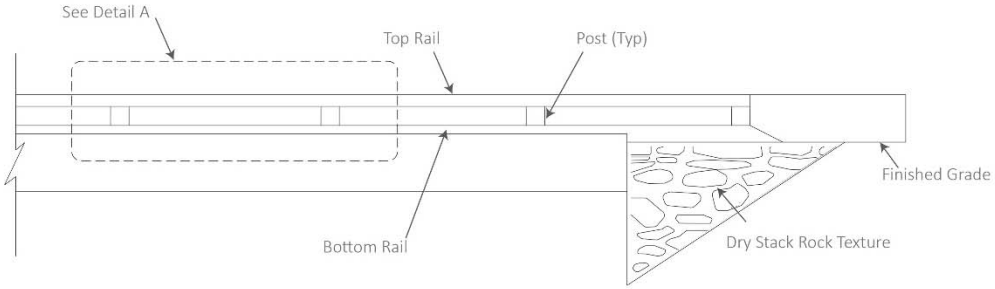
Section C-C
Bike Path at Existing San Antonio Road Bridge

Structure Aesthetic Treatments

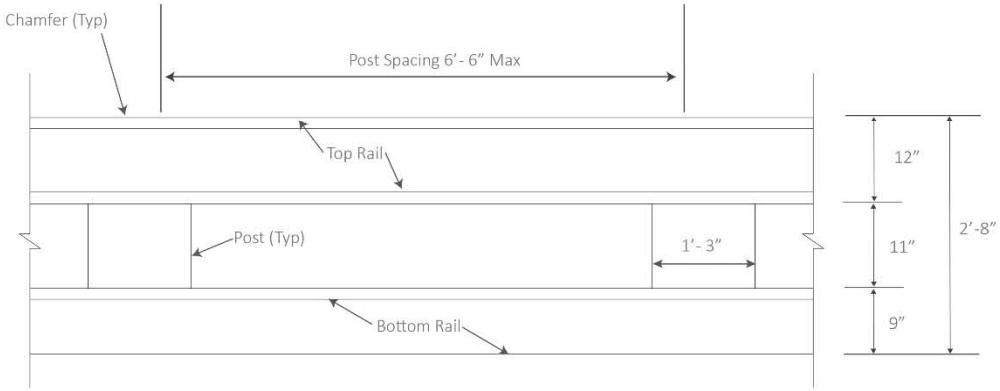




Open Bridge Railing with Dry Stack Rock



BARRIER TYPE 8 ELEVATION*



DETAIL A*

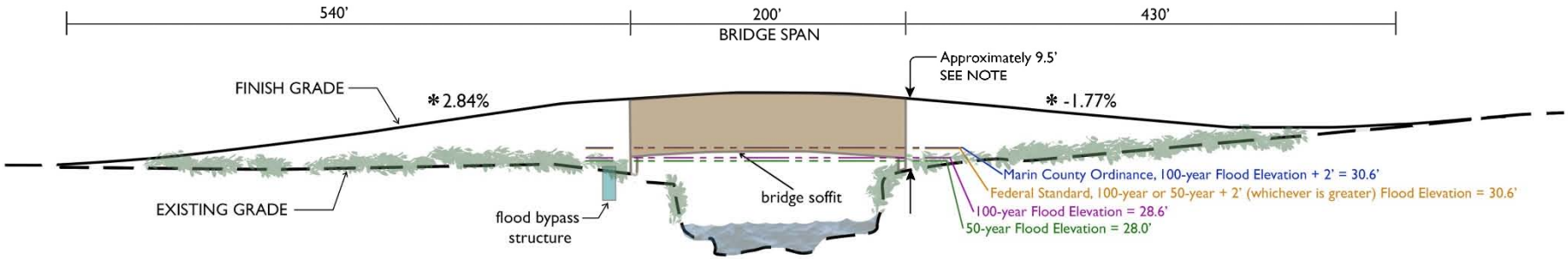
What We Heard At Last Public Meeting

- Flooding Concerns
- Visibility of New Bridge
- Traffic Volumes
- Traffic Safety At Bridge Crossing

Why Does The New Bridge Need To Be Raised Higher Than The Existing Bridge ?

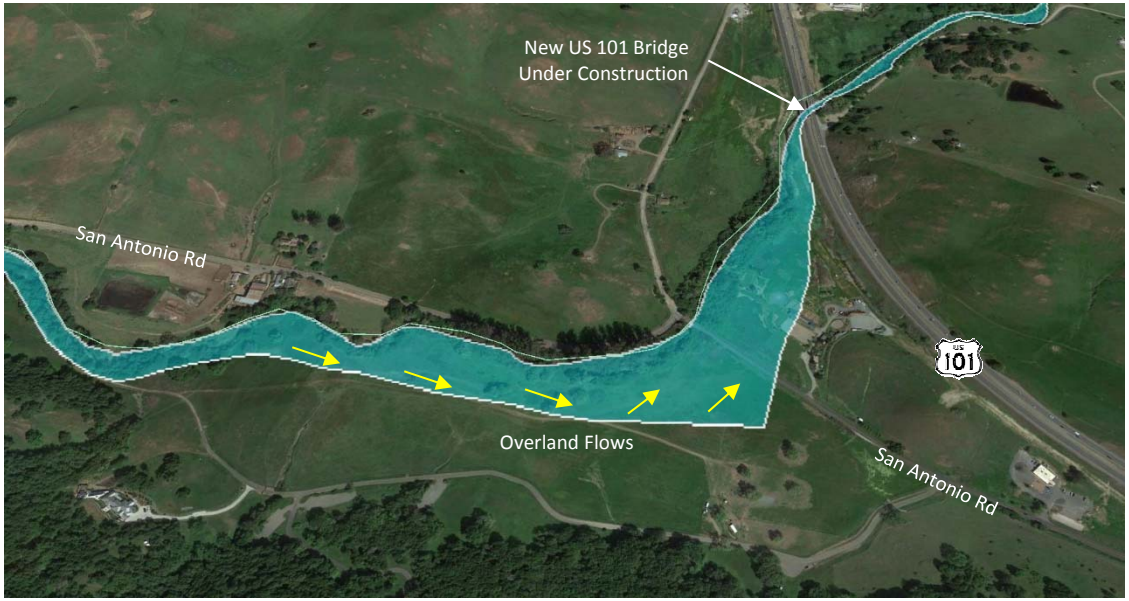
	Lowest Bridge Soffit Elev.	Water Surface Elev. (100-year)
EXISTING	18.8'	28.3'
PROPOSED	28.7'	28.6'

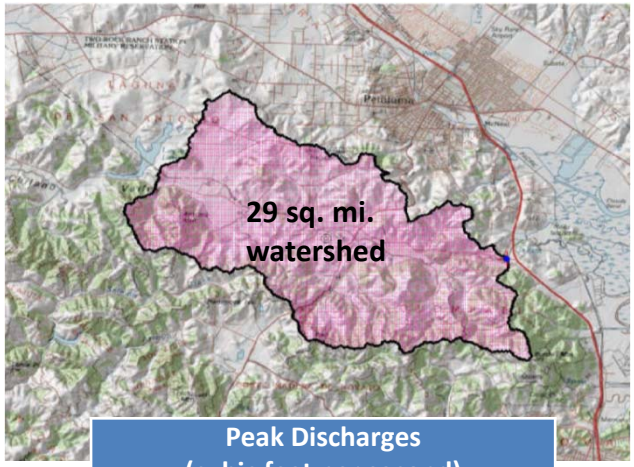
ROADWAY PROFILE



*** Grade similar to a sidewalk cross slope**

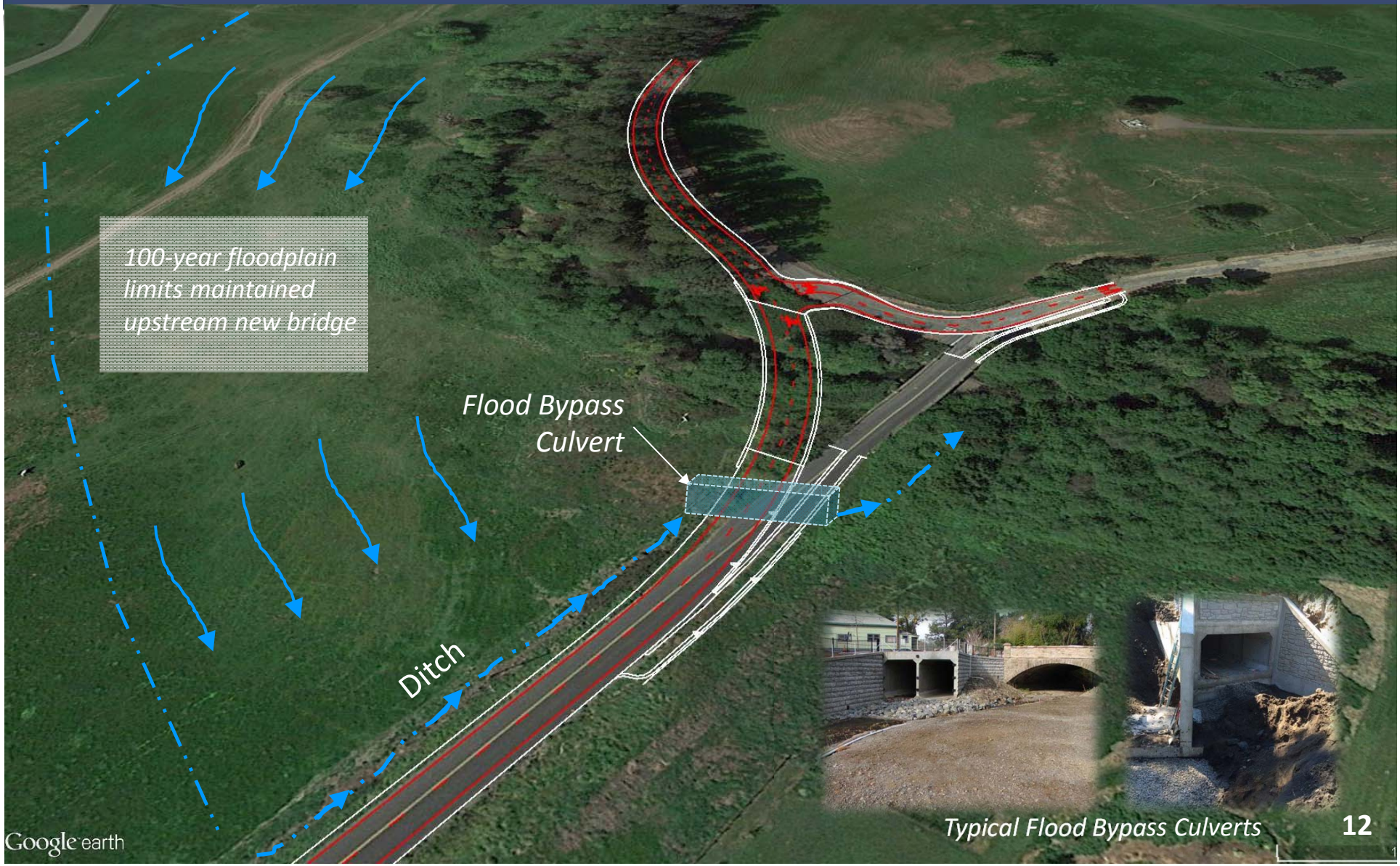
Note: Roadway profile drawn to 5x vertical exaggeration





Peak Discharges (cubic feet per second)	
USGS Regional Flood-Frequency	
100-Year Storm	50-Year Storm
6,910	5,920

How Will The Project Prevent The New Roadway From Flooding



Typical Flood Bypass Culverts

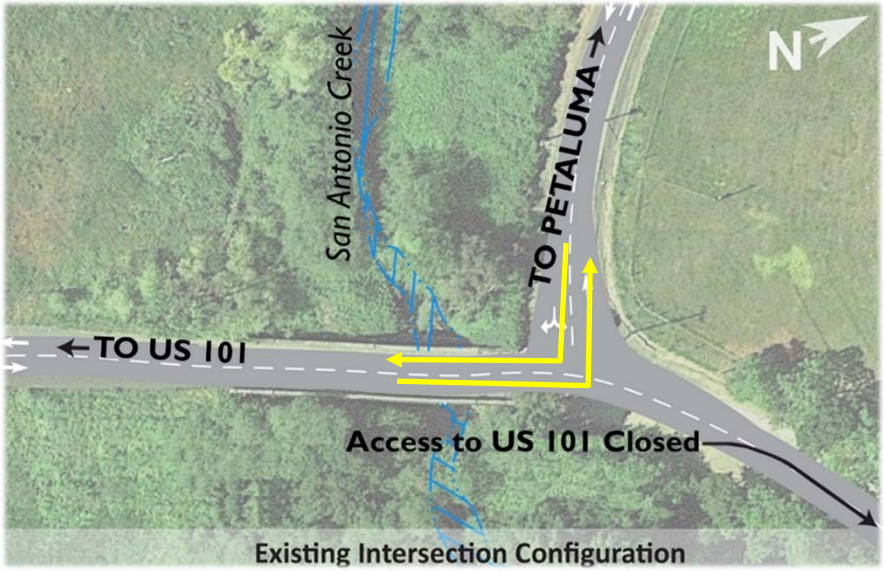
How Will The Visibility Of The New Bridge Be Addressed ?

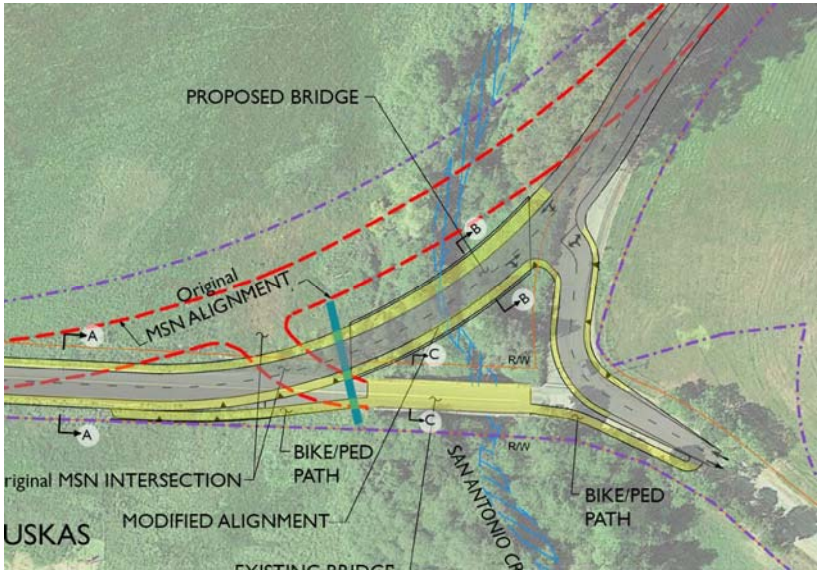
Traffic Volumes

- Traffic Counts Prior to Changing Access To San Antonio Rd
- Recent Traffic Counts
- Project will maintain two-lane roadway

Traffic Safety At Bridge Crossing

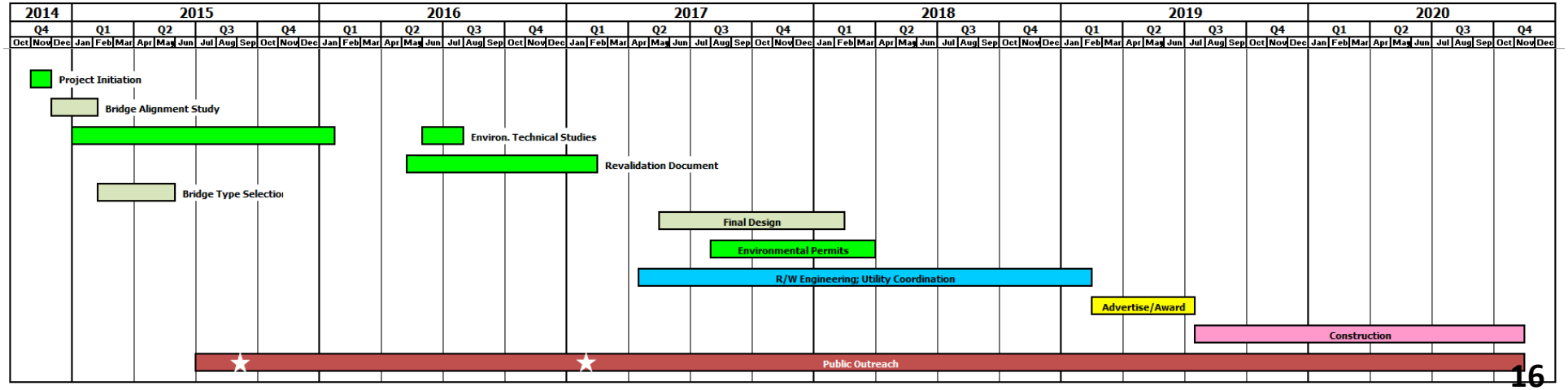
- Traffic Speed Limit and Speed Survey
- Safety Measures
  - Smooth speed transition on new SAR alignment
  - Speed warning signs
  - Enhanced signing and striping to improve visibility for nighttime drivers
  - Clear openings in the bridge railing to improve visibility for driver





When Will The Project Be Built ?

- Preliminary Engineering – Summer 2015
- Community Outreach Fall 2015/ Spring 2017
- Initiate Detailed Design – Spring 2017
- Final Design Plans – Spring 2018
- Right-of-Way & Permits – Spring 2017 – Spring 2019
- Begin Construction – Spring 2019



Q & A