



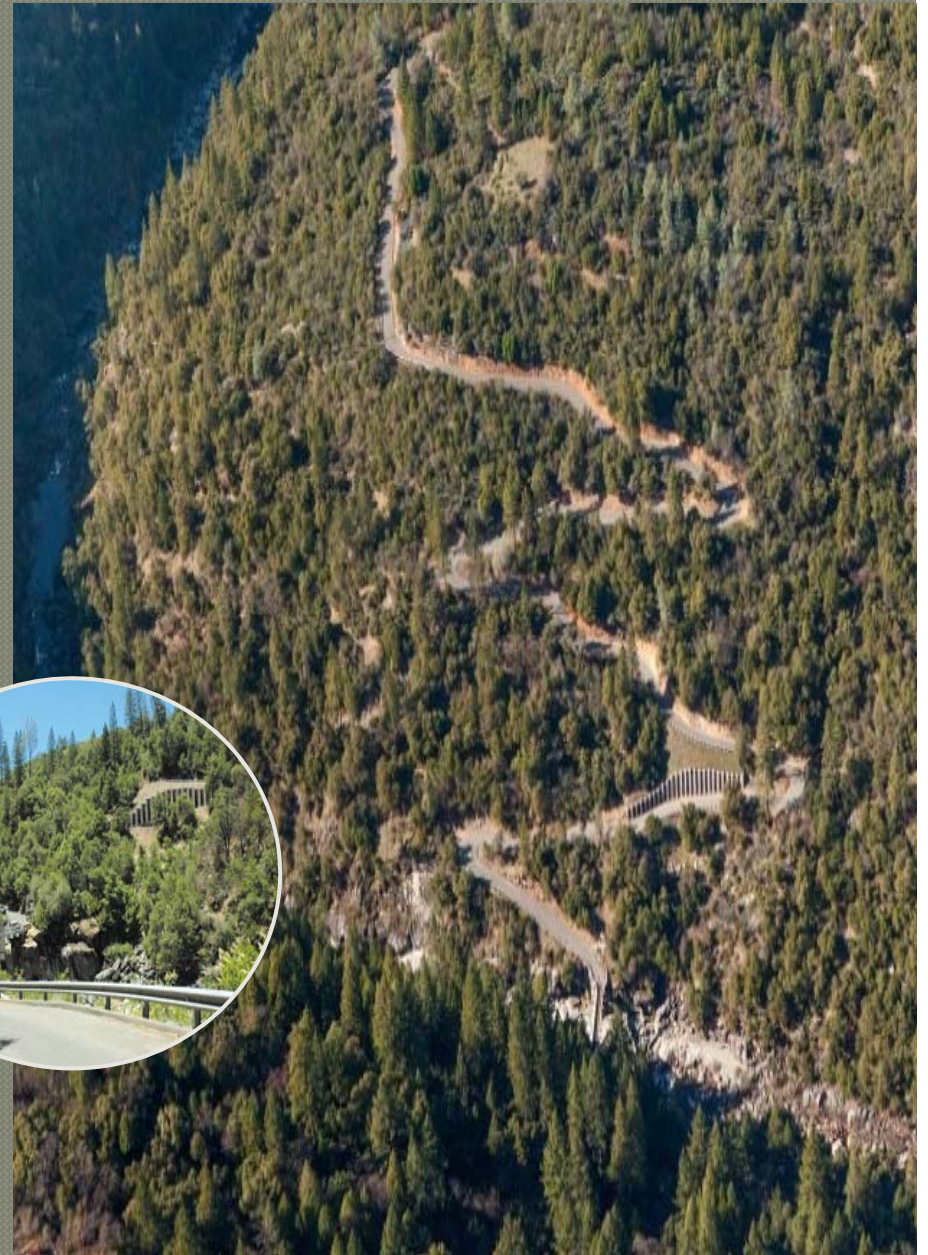
**COUNTY OF EL DORADO
DEPARTMENT OF
TRANSPORTATION**

**Mosquito Road Bridge
At the South Fork of the
American River**

**FINAL ENVIRONMENTAL
IMPACT REPORT
(FEIR)**

**Board of Supervisors Hearing
August 8, 2017**

In Association With:





AGENDA

- **Project Background**
- **Project Alternatives**
- **Proposed Project**
- **EIR Highlights**
- **Public Comments**
- **Conclusion**





Project Background

- Highway Bridge Program (HBP)
- Sufficiency Rating = 13.3 (2016), 12.5 (2011), 0.0 (2006) (scale from 0 to 100)
- Extensive Maintenance & Repairs (1990, 2010)
- Most Expensive EDC Bridge to Maintain (approx. \$75k/ yr)
- Bridge Replacement Project
- Off System Bridge (Federally Funded, Match with Toll Credits)



Mt. Democrat 4/2/98 article by Peg Presba

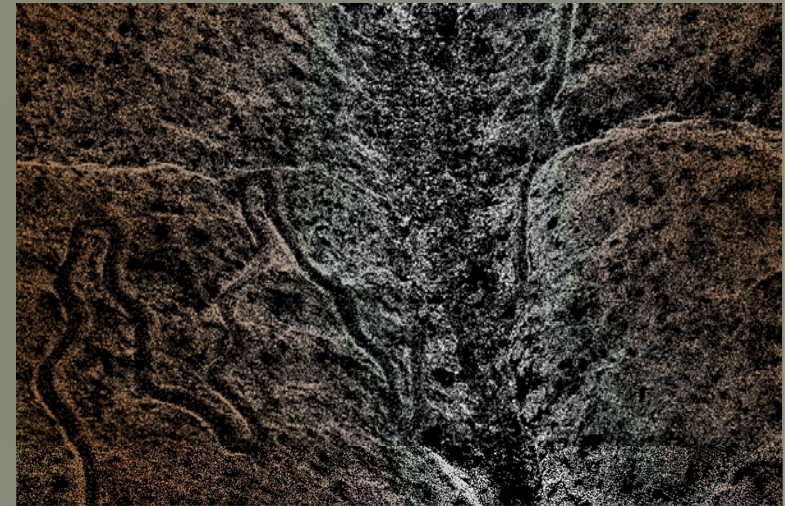


“Swinging Bridge” – History Museum



Events to Date

- 1993 Study
- Programmed in HBP and CIP
- Public Workshop No. 1 – Jan 26, 2013
- Public Workshop No. 2 – Nov 15, 2014
- Alternative Screening 2014/15
- Met w/ Caltrans District 03 – March 12, 2015
- Met w/ HQ and FHWA – June 4, 2015
- Public Workshop No. 3 – July 15, 2015
- Meetings with Contractors – 2015/16
- Meetings with Tribes – 2015/16
- Technical & Environmental Studies - 2016
- Met w/ HQ and FHWA – May 4, 2016
- Value Analysis (VA) – Aug 17–26, 2016
- River Access Feasibility Study –
Aug 16, 2016
- Draft EIR – Oct 2016
- Public Hearing (WS No. 4) –
Oct 26, 2016
- Final EIR – Aug 2017

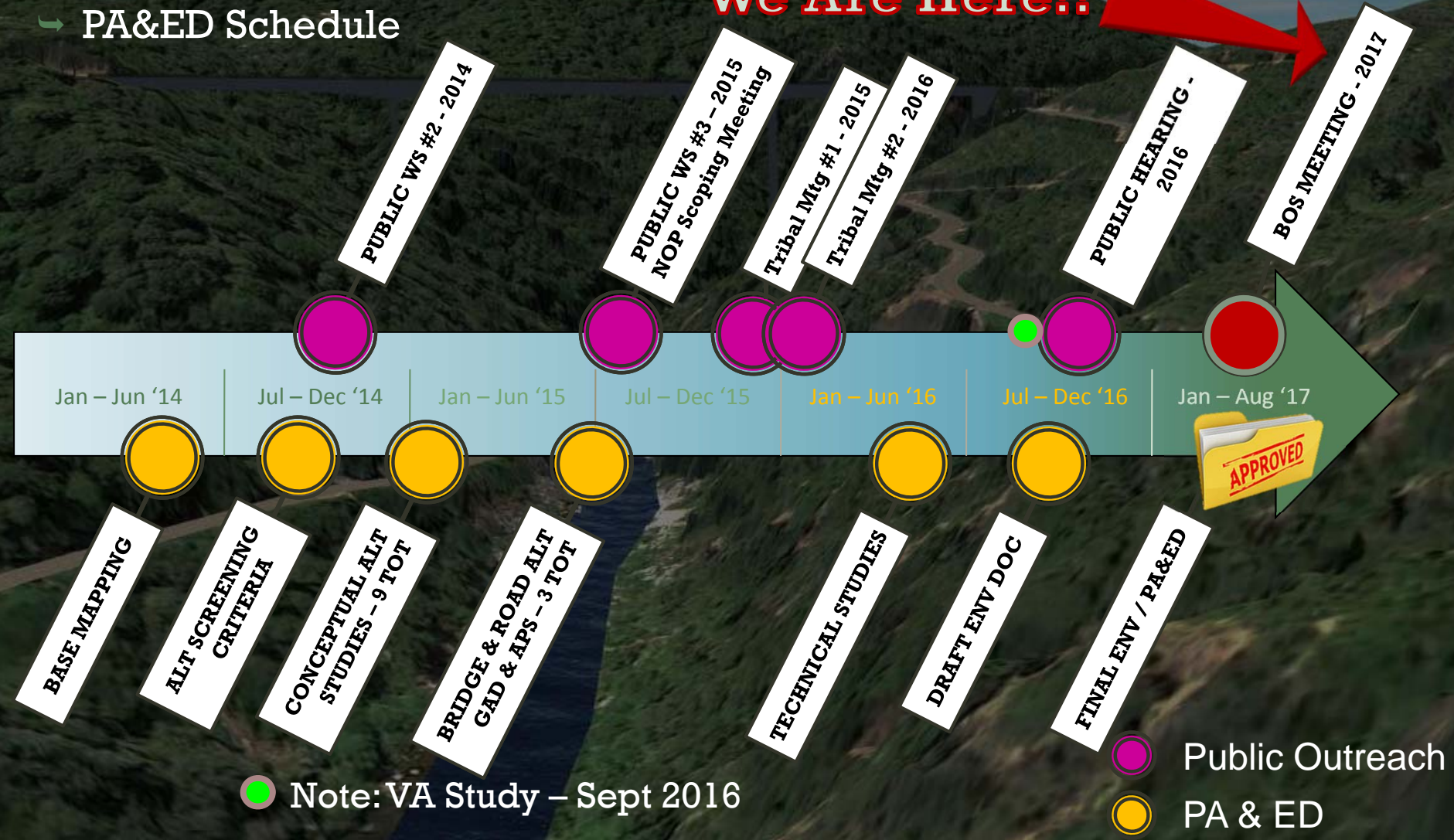




Project Background

PA&ED Schedule

We Are Here!!

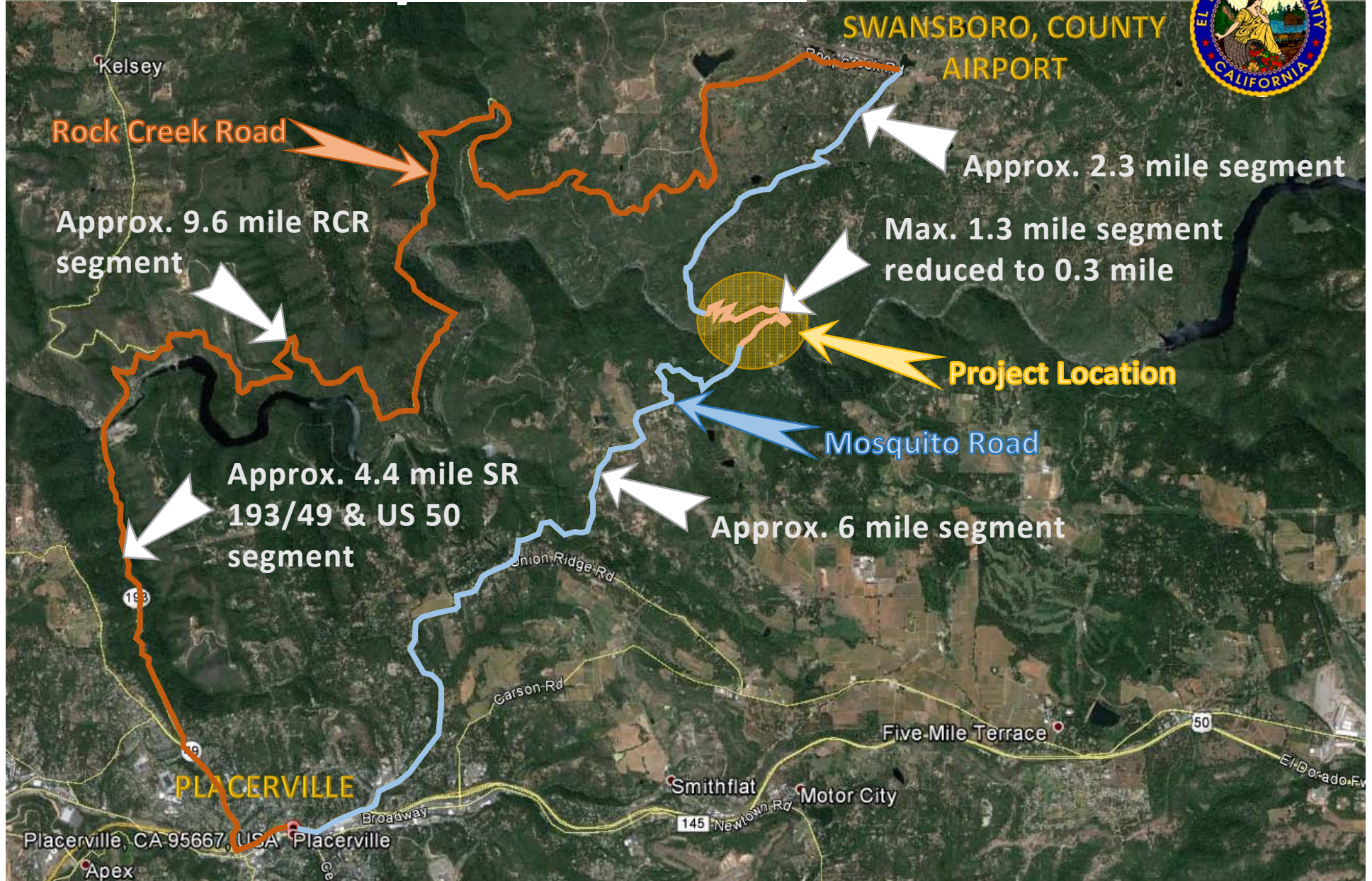


Note: VA Study – Sept 2016

Public Outreach
PA & ED



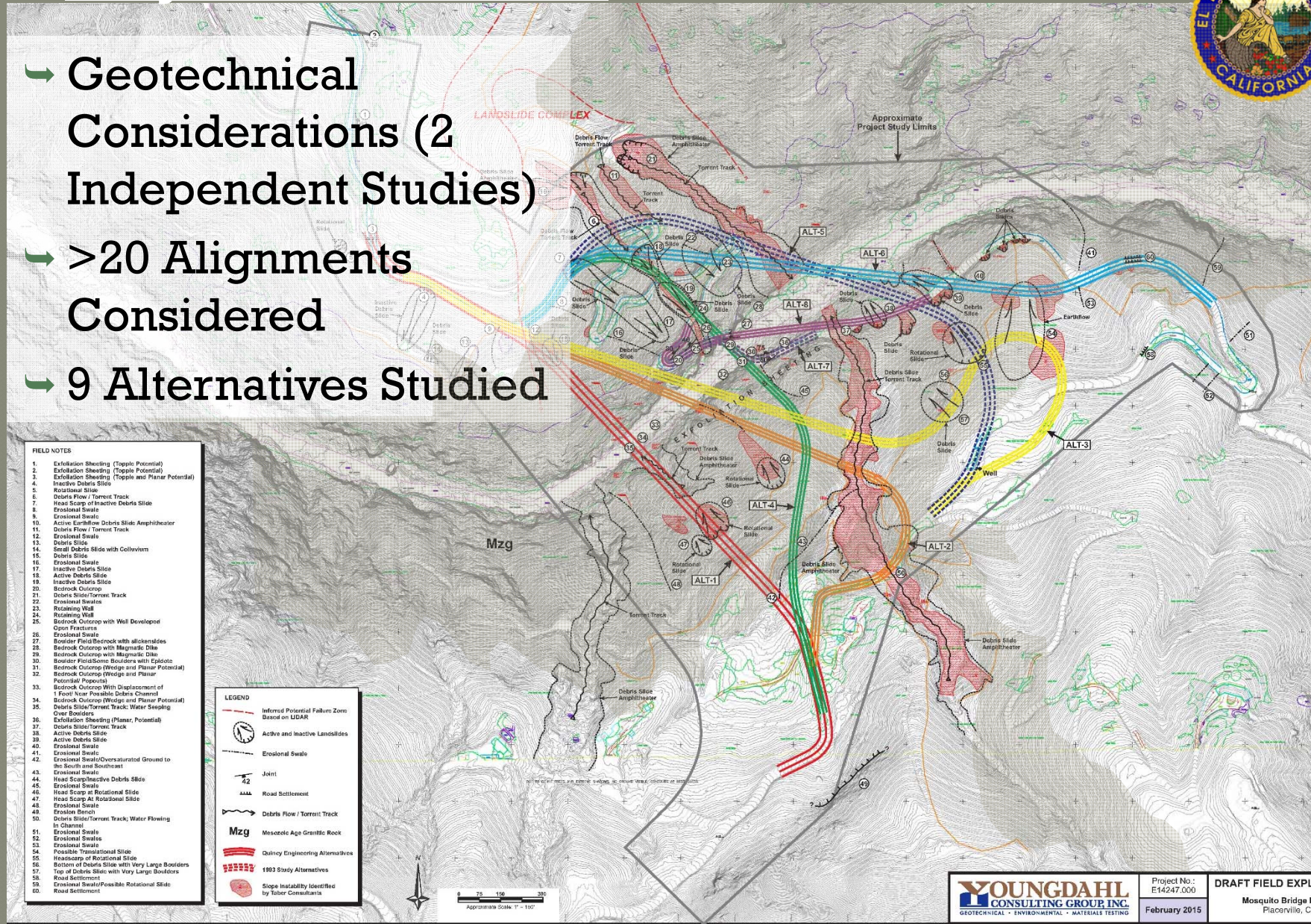
Community Access Routes



Project Alternatives

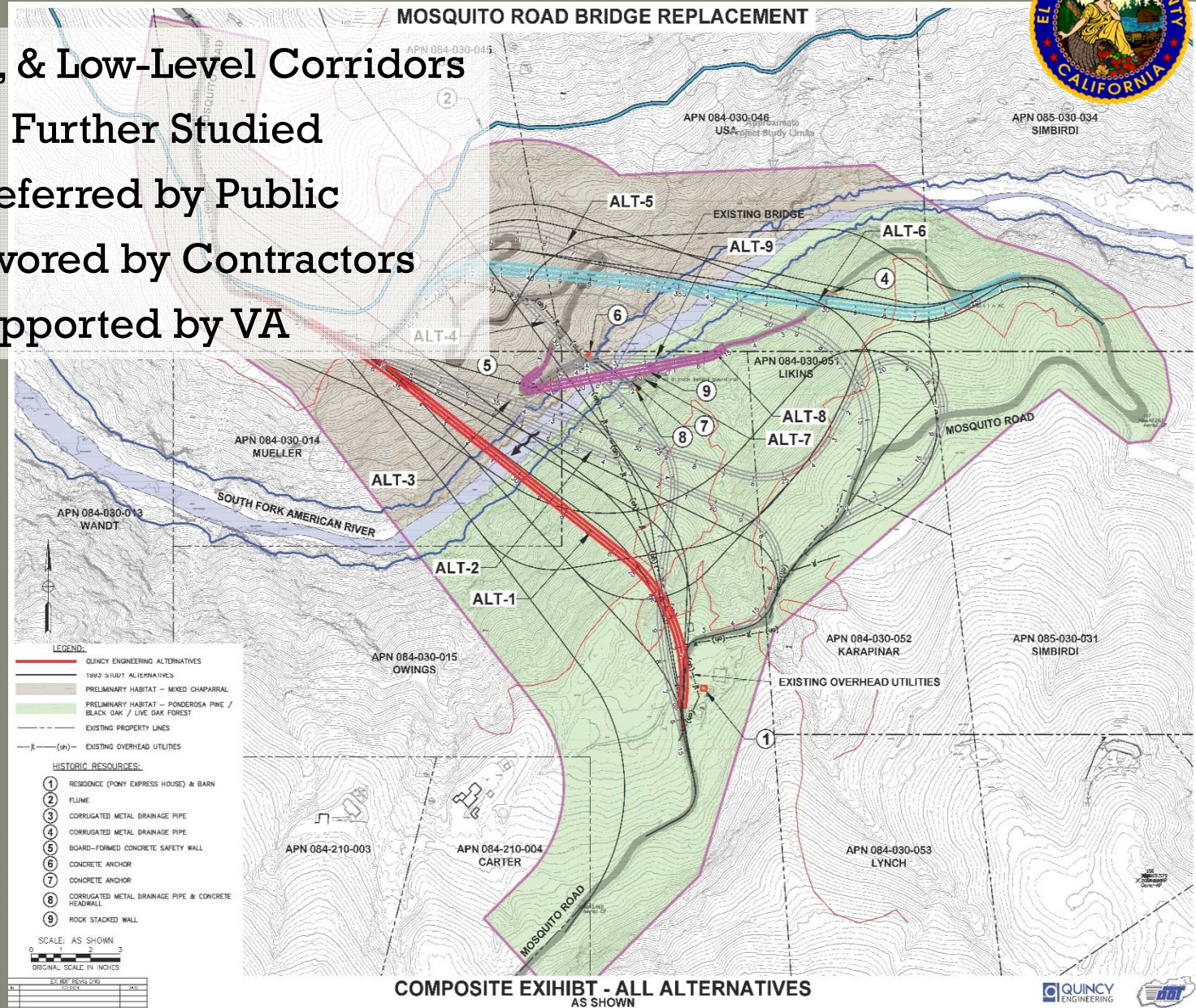


- ➔ Geotechnical Considerations (2 Independent Studies)
- ➔ >20 Alignments Considered
- ➔ 9 Alternatives Studied



Project Alternatives

- High-, Mid-, & Low-Level Corridors
- Alts 1, 6 & 8 Further Studied
 - Alt 1 Preferred by Public
 - Alt 1 Favored by Contractors
 - Alt 1 Supported by VA





Project Alternatives

Evaluation in EIR

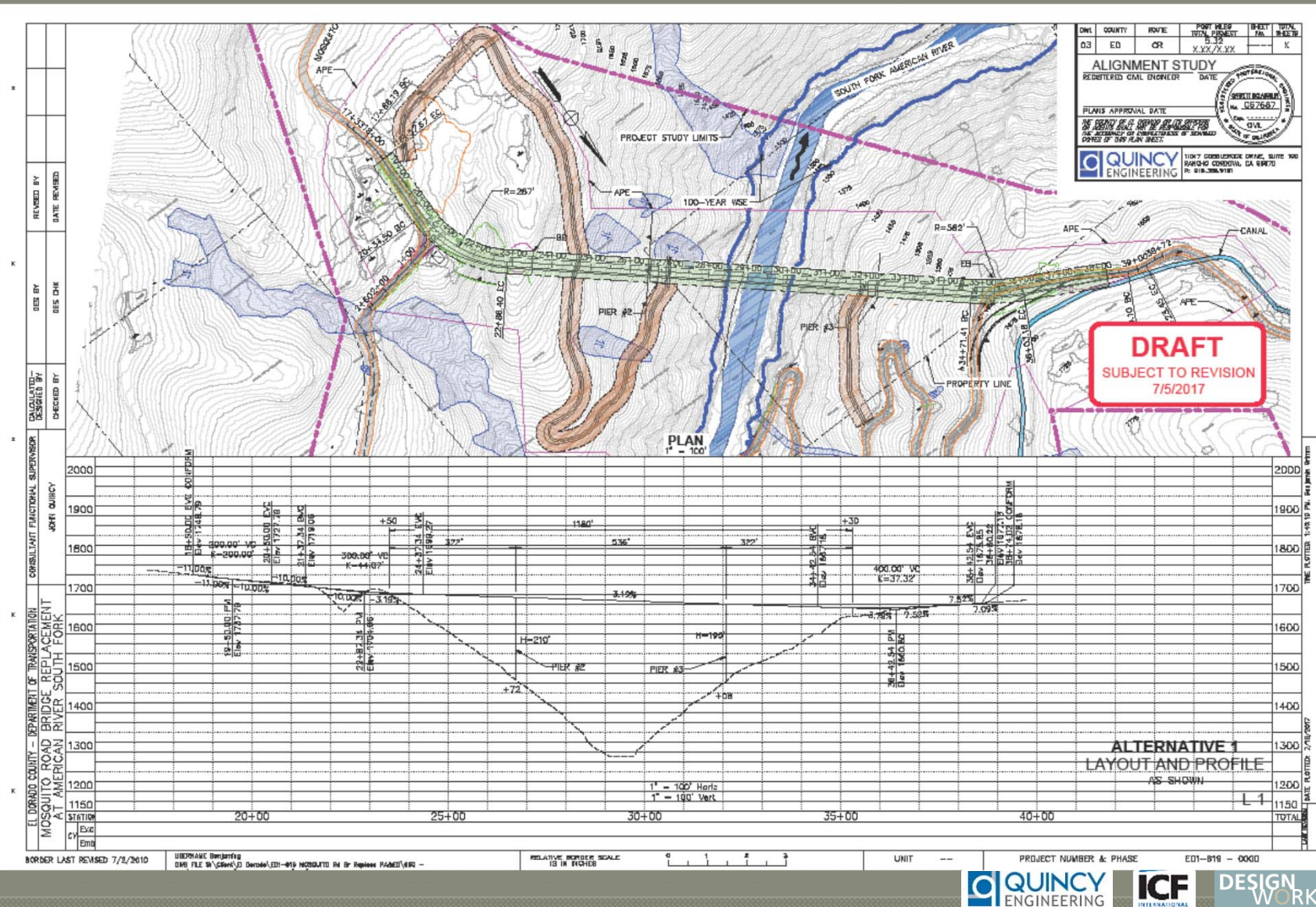
- No Project
- High-Level Alternative
(Proposed Project)
- Mid-Level Alternative
- Low-Level Alternative



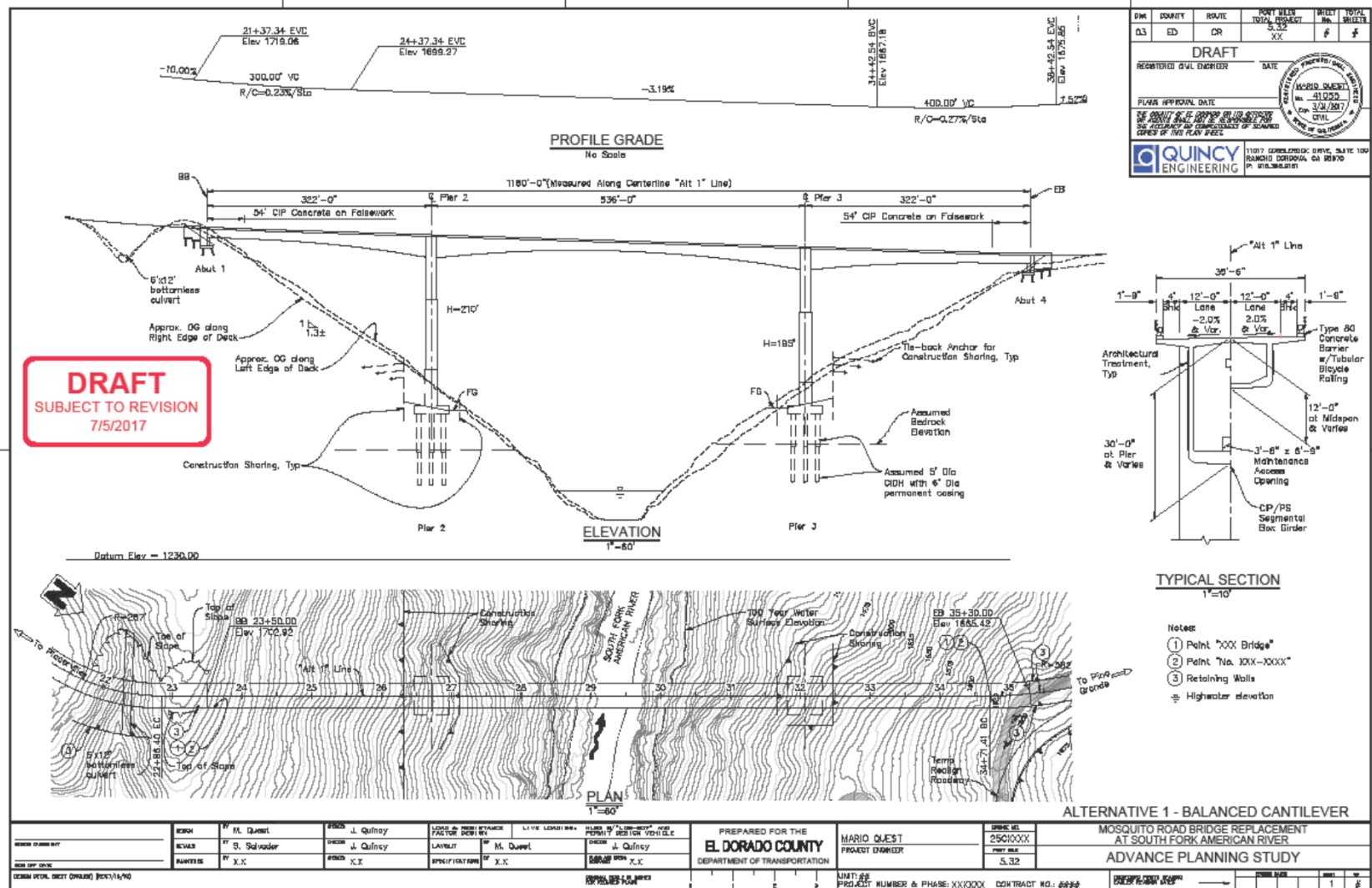
Proposed Project

High-Level Alternative

Overview



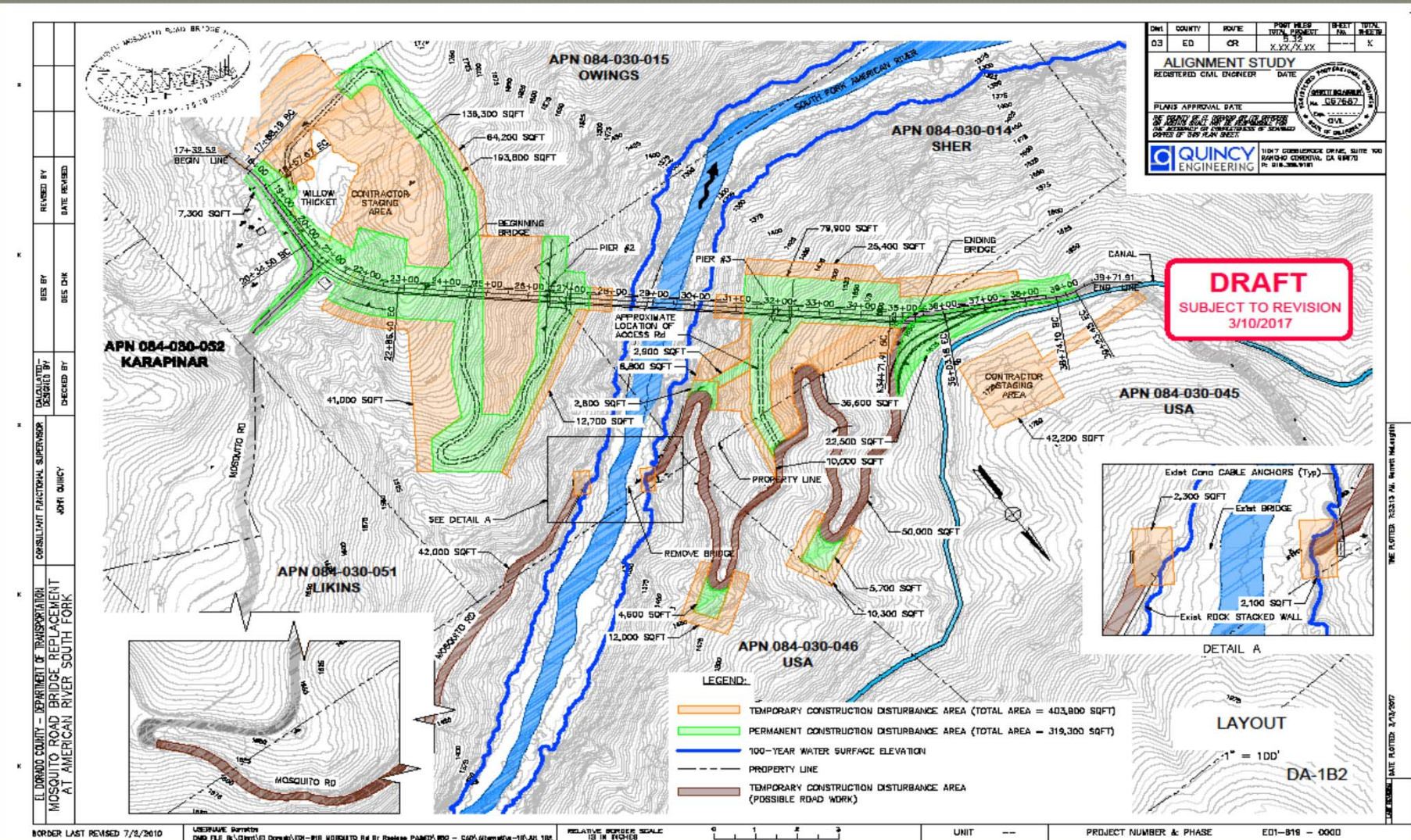
➔ Value Analysis (VA)



Proposed Project

High-Level Alternative

Impact Areas



QUINCY
ENGINEERING

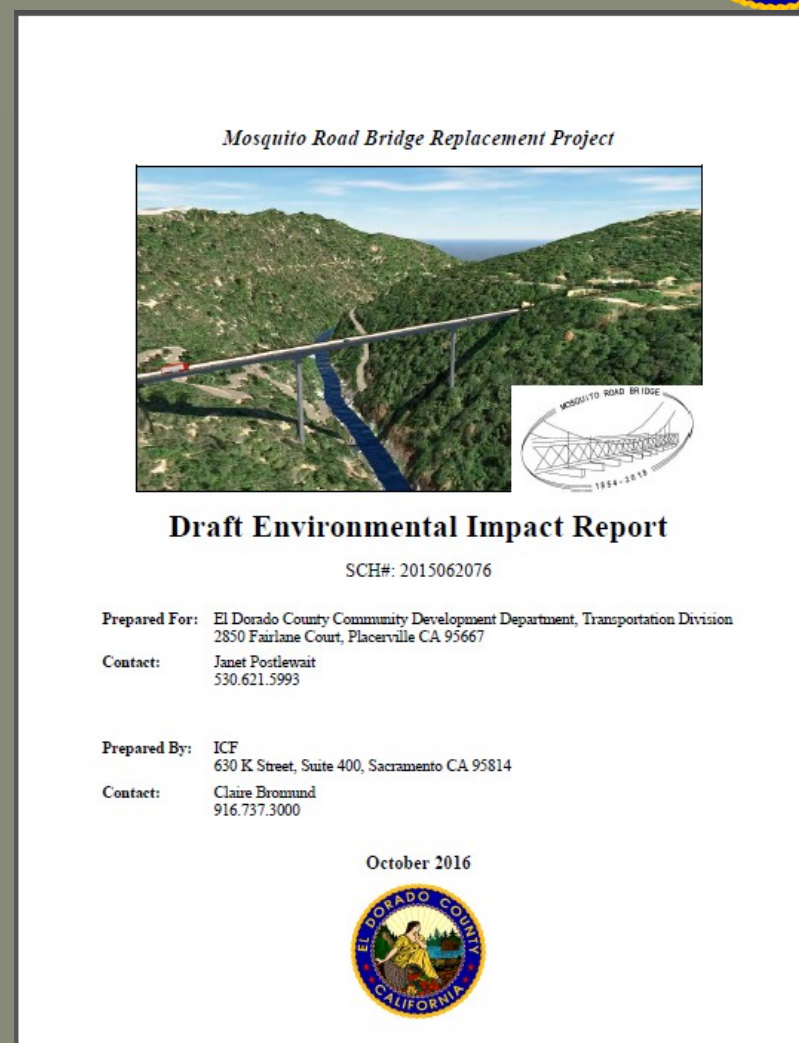
ICF
INTERNATIONAL

DESIGN
WORKSHOPS



EIR Highlights

- Draft EIR
 - Notice of Availability (NOA) & Public Meeting – Oct. 26, 2016
- Existing Mosquito Road Bridge & Roadway
 - River Access Feasibility Study
 - Remains in Place (Bike & Pedestrian Access across Bridge)





EIR Highlights

Summary of Impacts and Mitigation Measures

Significance Criteria and Significant Impact Summary	Mitigation Measures	Significance after Mitigation
Biological Resources		
Impact BIO-1 <ul style="list-style-type: none"> Potential for construction activities to result in the mortality or disturbance of foothill yellow-legged frog, Blainville's horned lizard, nesting bald eagles, nesting California spotted owls, nesting migratory birds, special-status bats and their habitat Potential for construction activities to result in the loss of willow flycatcher foraging habitat 	Mitigation Measure BIO-1 Mitigation Measure BIO-2 Mitigation Measure BIO-3 Mitigation Measure BIO-4 Mitigation Measure BIO-5 Mitigation Measure BIO-6 Mitigation Measure BIO-7 Mitigation Measure BIO-8 Mitigation Measure BIO-9 Mitigation Measure BIO-10	Less than significant
Impact BIO-2 <ul style="list-style-type: none"> Permanent and temporary impacts on interior live oak woodland Permanent and temporary impacts on willow thicket wetland 	Mitigation Measure BIO-1 Mitigation Measure BIO-2 Mitigation Measure BIO-3 Mitigation Measure BIO-4 Mitigation Measure BIO-6 Mitigation Measure BIO-7 Mitigation Measure BIO-11	Less than significant
Impact BIO-3 <ul style="list-style-type: none"> Potential temporary and indirect effects on intermittent stream 	Mitigation Measure BIO-1 Mitigation Measure BIO-2 Mitigation Measure BIO-3 Mitigation Measure BIO-4 Mitigation Measure BIO-6 Mitigation Measure BIO-12	Less than significant
Impact BIO-7 <ul style="list-style-type: none"> Potential to create additional disturbed areas for a temporary period and to introduce and spread invasive plant species to uninfected areas within and adjacent to the Project area 	Mitigation Measure BIO-1 Mitigation Measure BIO-2 Mitigation Measure BIO-3 Mitigation Measure BIO-12	Less than significant
Geology, Soils, Minerals, and Paleontological Resources		
Impact GEO-3 <ul style="list-style-type: none"> Project excavation, grading, and changes in the routing of overland and subsurface flow may reactivate existing failures and initiate failures where none do not presently exist. 	Mitigation Measure GEO-1	Less than significant
Hazards and Hazardous Materials		
Impact HAZ-8 <ul style="list-style-type: none"> Project construction would involve the use of heavy equipment, welding, and other activities that have potential to ignite fires. 	Mitigation Measure HAZ-1	Less than significant
Noise and Vibration		
Impact NOI-4 <ul style="list-style-type: none"> Construction equipment noise would increase ambient noise levels at residences located near the southern terminus of the Project, and would potentially result in a substantial temporary or periodic increase in ambient noise levels. 	Mitigation Measure NOI-1	Less than significant



EIR Highlights

Comparison of Project Alternatives

Table 4-2. Comparison of Environmental Impacts of Alternative

Resource Topic	Proposed Project	No-Project Alternative
<u>Aesthetics</u>		
Scenic vistas	LTS	Lesser
Scenic resources	LTS	Lesser
Degrade visual character or quality	LTS with Mitigation	Lesser
New source of light or glare	LTS	Lesser
<u>Air Quality</u>		
Air quality plan conflict	LTS	Lesser
Air quality standard violations	LTS	Lesser
Cumulatively considerable net increase in criteria pollutant	LTS	Lesser
Sensitive receptors	LTS	Lesser
Objectionable odors	LTS	Lesser
<u>Biological Resources</u>		
Special-status species	LTS with Mitigation	Lesser
Sensitive natural communities	LTS with Mitigation	Lesser
Wetlands	LTS with Mitigation	Lesser
Wildlife movement and migration	LTS	Lesser
Local policies and ordinances	LTS	Lesser
Habitat conservation plan	LTS	Lesser
Spread of invasive species	LTS with Mitigation	Lesser
<u>Cultural Resources</u>		
Historical resources	LTS	Lesser
Archaeological resources	LTS	Lesser
Human remains	LTS	Lesser

El Dorado County

Resource Topic	Proposed Project	No-Project Alternative
<u>Geology, Soils, Minerals, and Paleontological Resources</u>		
Seismicity	LTS	Greater
Soil erosion	LTS	Lesser
Unstable geologic unit	LTS with Mitigation	Greater
Expansive soils	LTS	Lesser
<u>Greenhouse Gas Emissions</u>		
Greenhouse gas emissions	LTS	Lesser
Greenhouse gas plan conflict	LTS	Lesser
<u>Hazards and Hazardous Materials</u>		
Use, transport or disposal	LTS	Lesser
Accidental release	LTS	Greater
Emergency response plan	LTS	Greater
Wildland fire	LTS with Mitigation	Lesser
<u>Hydrology/Water Quality</u>		
Water quality standard violations	LTS	Lesser
Alter drainage and result in erosion	LTS	Lesser
Alter drainage and result in flooding	LTS	Lesser
Degrade water quality	LTS	Lesser
Impede floodflows	LTS	Greater
Exposure to flooding	LTS	Greater
<u>Land Use Planning and Agricultural Resources</u>		
Important farmland	LTS	Lesser
Zoning and Williamson Act	LTS	Lesser
Other farmland conversion	LTS	Lesser

El Dorado County

Alternatives

Resource Topic	Proposed Project	No-Project Alternative	Mid-level Alternative	Low-level Alternative
<u>Noise and Vibration</u>				
Noise standards	LTS	Lesser	Greater	Greater
Groundborne vibration/noise	LTS	Lesser	Similar	Similar
Permanent increase	LTS	Lesser	Similar	Similar
Temporary increase	LTS with Mitigation	Lesser	Similar	Similar
<u>Public Services and Utilities</u>				
New/expanded facilities	LTS	Lesser	Similar	Greater
Landfill capacity	LTS	Lesser	Same	Same
Telecommunications disruption	LTS	Lesser	Similar	Similar
Energy	LTS	Lesser	Similar	Similar
<u>Recreation</u>				
Deterioration of existing	LTS	Lesser	Similar	Greater
<u>Traffic and Circulation</u>				
Performance standards conflict	LTS	Same	Same	Same
Design hazards	No impact	Greater	Greater	Greater
Emergency access	LTS	Greater	Greater	Greater
Alternative modes	No impact	Greater	Similar	Greater

Impact Level

No impact	= includes beneficial effects
LTS	= less-than-significant impact
LTS with Mitigation	= less-than-significant impact with mitigation incorporated

Impact Comparisons

Same	= same as the proposed Project
Similar	= similar to proposed Project
Lesser	= lesser than the proposed Project
Greater	= greater than proposed Project

Lesser	Lesser
Lesser	Lesser
Lesser	Lesser



Public Comments

- Existing Mosquito Road Bridge & Roadway
 - Remains in Place (Pedestrian and Bicycle Access Across Bridge)
- Development & Traffic Considerations
 - Not capacity increasing project, no changes to planning
- Technical Considerations (& Clarifications)
 - Storm Water
 - Geotechnical Considerations
 - Fire Considerations (Haz-1)
- Biological Considerations
 - Oak Woodland Habitat (Bio-7)
 - Invasive Plant (Bio-12)





Conclusion

- Project meets all Project Objectives
- All Impacts Reduced to Less than Significant with Mitigation Measures
- DOT recommends BOS to:
 - 1) Certify EIR
 - 2) Adopt Findings of Fact and MMRP
 - 3) Approve Mosquito Bridge Replacement Project

