

OCTOBER 29, 2019

CANYON BRIDGES REPLACEMENT PROJECT

COMMUNITY MEETING



WHY ARE WE HERE TODAY?



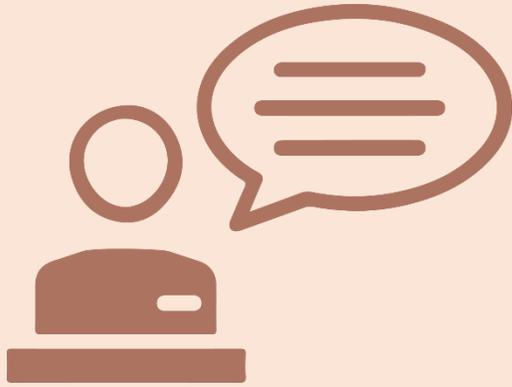
OC Public Works
ocpublicworks.com/CanyonBridgesReplacement

Inform

Provide Project Information

Engage

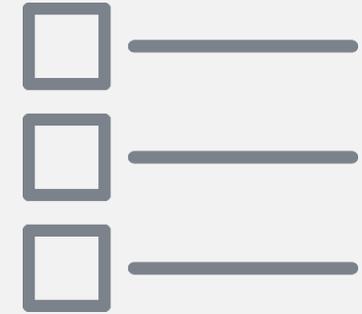
Gain Community Input



STAFF PRESENTATION



QUESTIONS & ANSWERS



ENGAGEMENT ACTIVITY

PROJECT AREA MAP

1 At Ladd Canyon Road

Construction 2021

2 West of Silverado Community Center

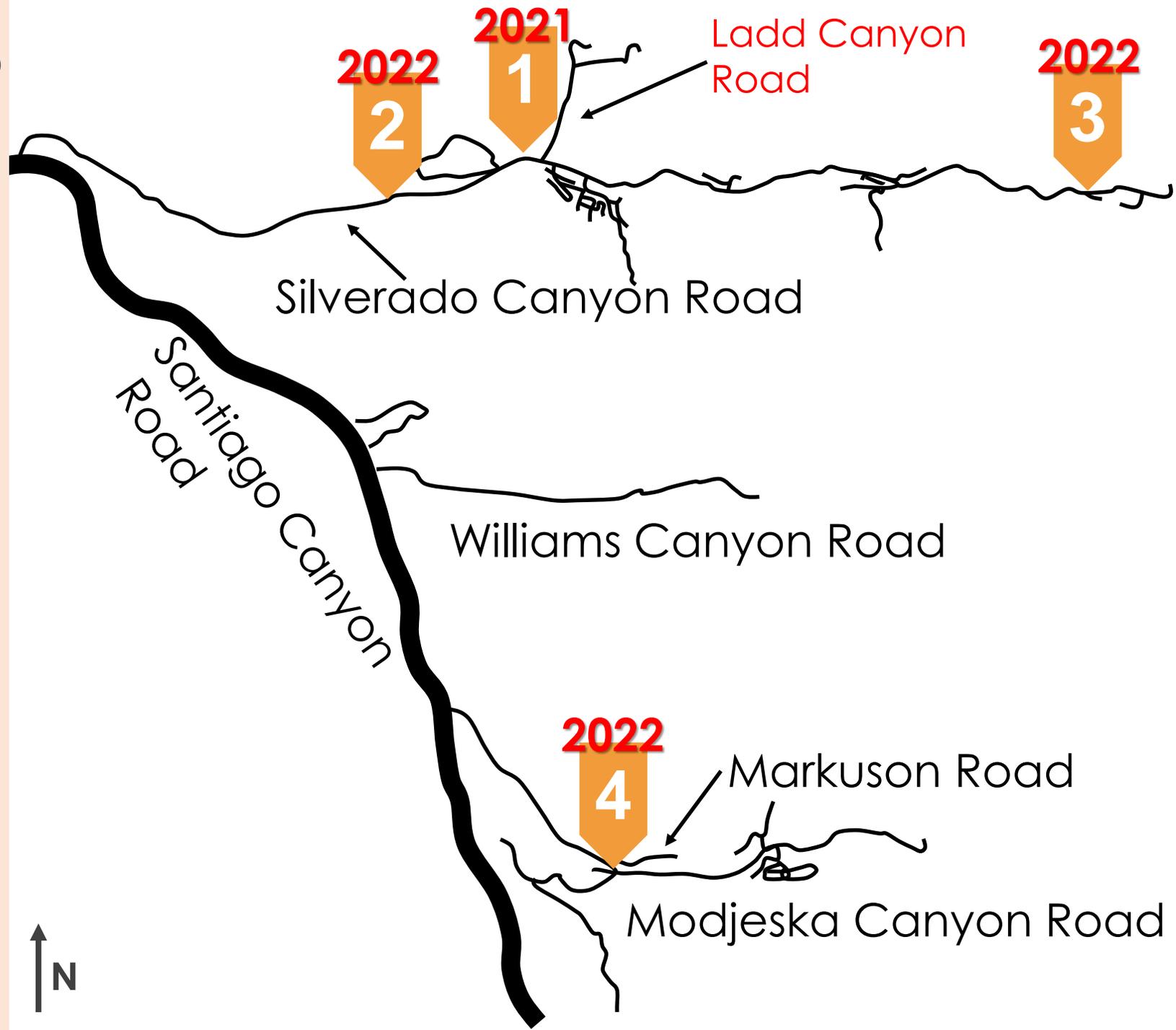
Construction 2022

3 Between OCFA 14 & Belha Way

Construction 2022

4 Markuson Road & Shadowland Circle

Construction 2022



PROJECT PURPOSE



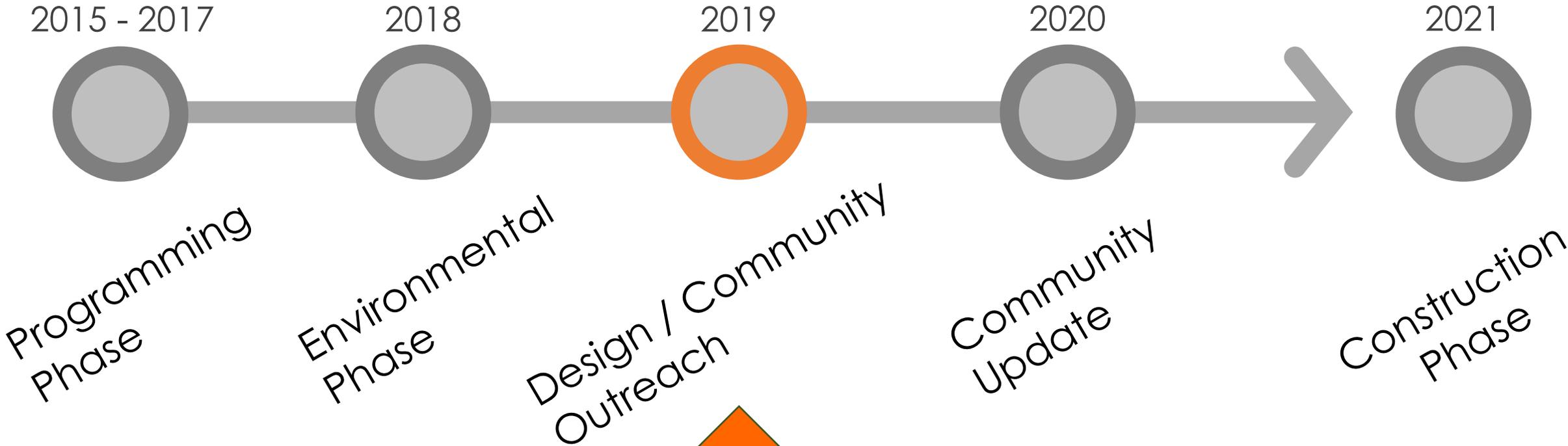
OC Public Works

ocpublicworks.com/CanyonBridgesReplacement

- Bring Area Bridges Up to Current State and Federal Bridge Standards
- Make Use of Available Federal Bridge Funds
- Maintain Safe Crossings and Access



PROJECT PROCESS

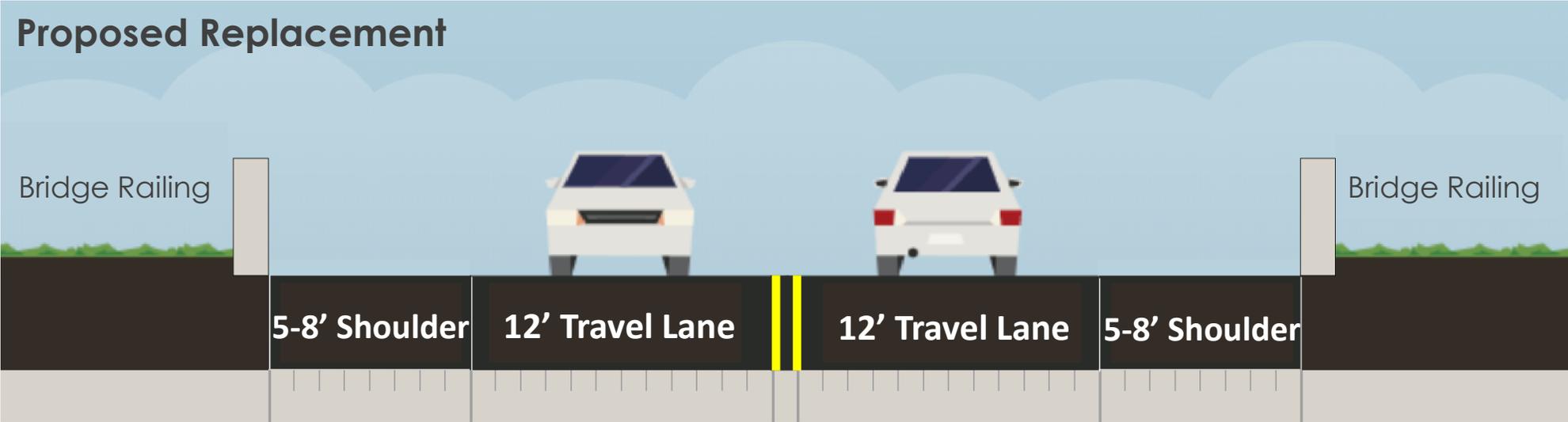
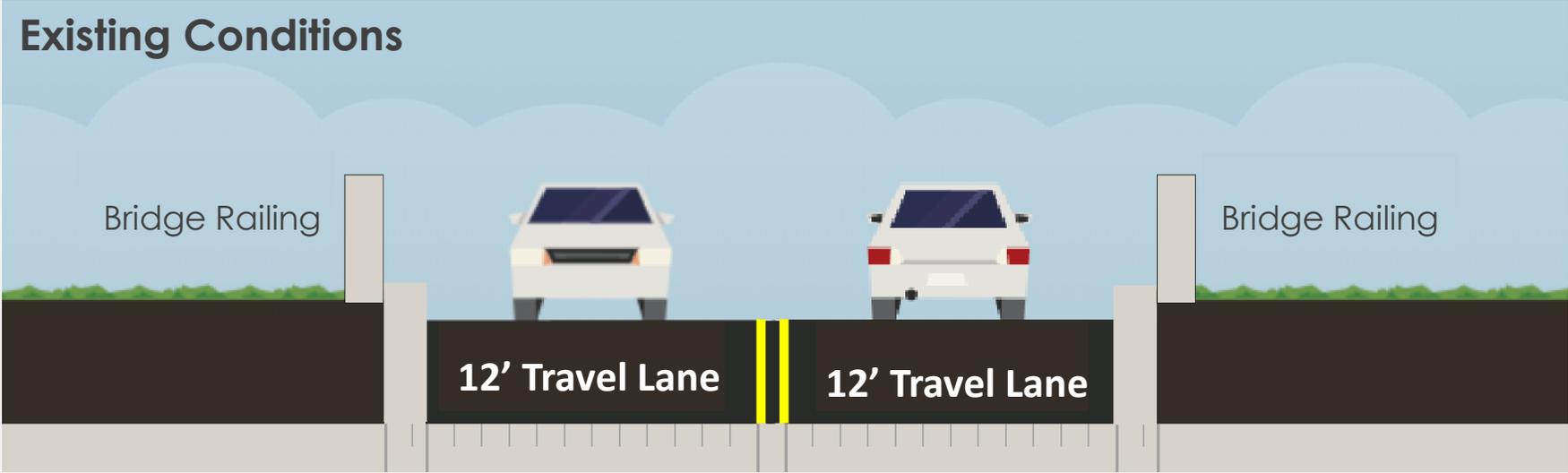


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Silverado Canyon Road
Silverado Canyon Road Bridge at
Ladd Canyon Road

WE
ARE
HERE

PROJECT OVERVIEW



PROJECT CHALLENGES



- Permitting/Regulations
- Utility Relocations
- Limited Work Areas
- Agency Coordination



STRUCTURAL IMPROVEMENTS



- Replace existing bridge deck with precast concrete slab
- Provide roadway shoulder
- Replace existing bridge railing to meet current safety standards

CONSTRUCTION PHASING



- Roadway will remain open at all times
- Single lane closures required
- Bridge constructed in halves
- Emergency access

BRIDGE RAILING OPTIONS

LADD CYN

017

RAILING OPTION A



Open Concrete Railing

Common design

Less maintenance



Disclaimer: Conceptual Renderings Only

RAILING OPTION A

Open Concrete Railing



Disclaimer: Conceptual Renderings Only

RAILING OPTION A

Open Concrete Railing



Disclaimer: Conceptual Renderings Only

RAILING OPTION B



Open Metal Railing

Rural look & feel

Similar to other canyon bridges

Weathered steel will not require painting



RAILING OPTION B

Open Metal Railing



Disclaimer: Conceptual Renderings Only

RAILING OPTION B

Open Metal Railing



Disclaimer: Conceptual Renderings Only

RAILING OPTION C



Concrete and Wood Railing

Rural look & feel

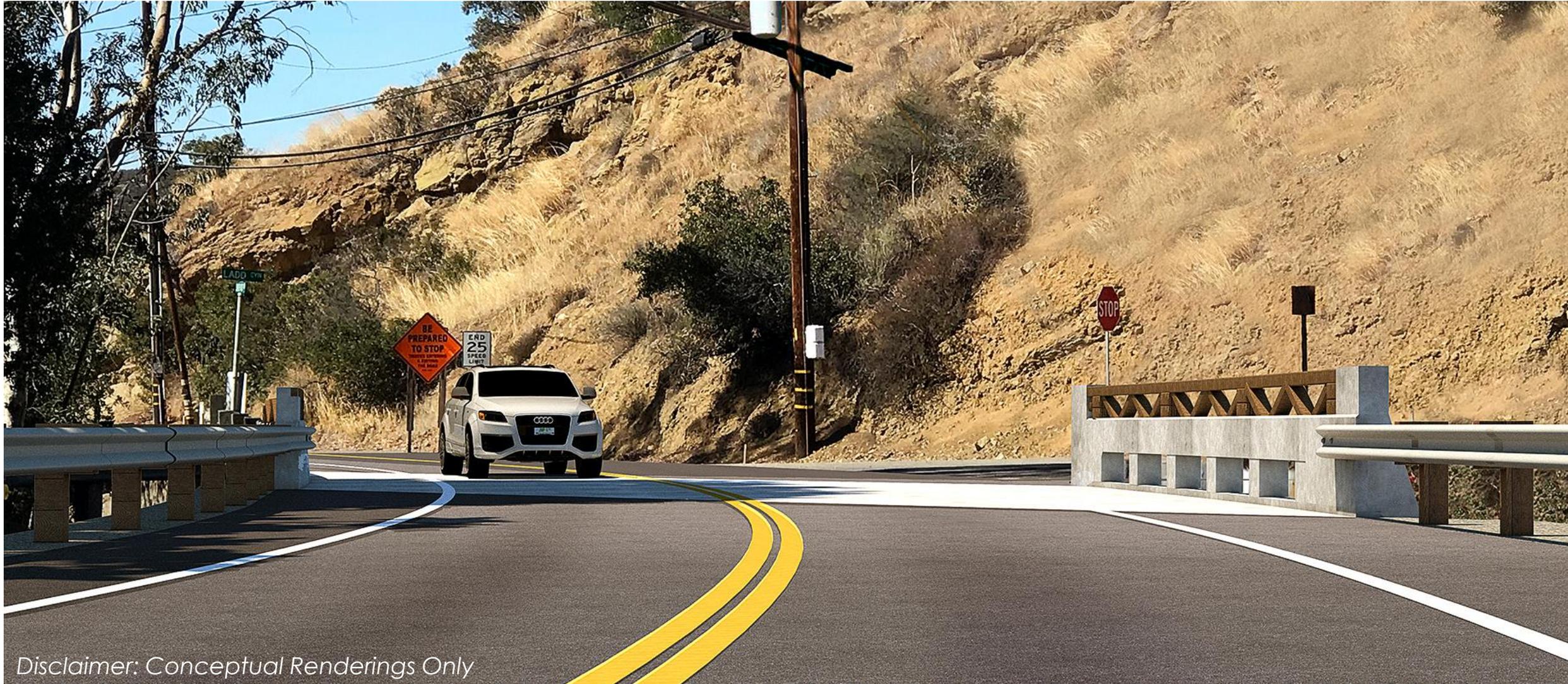
More maintenance required



Disclaimer: Conceptual Renderings Only

RAILING OPTION C

Concrete and Wood Railing



Disclaimer: Conceptual Renderings Only

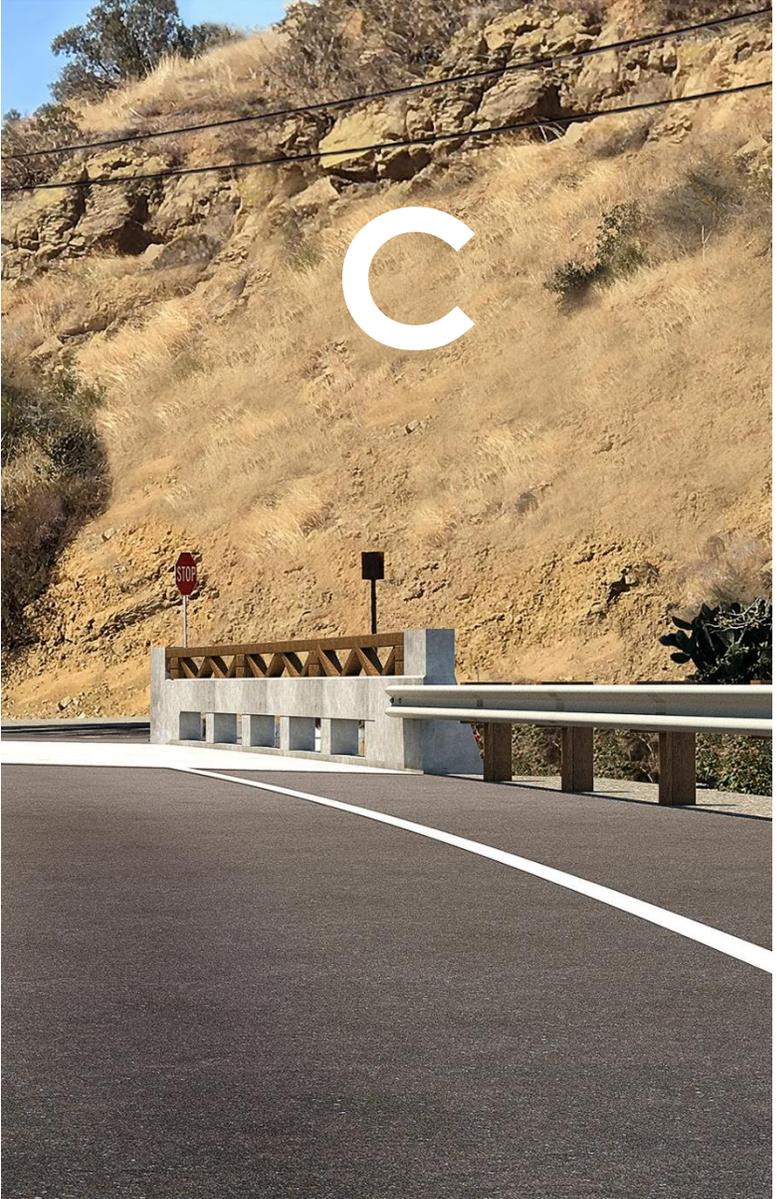
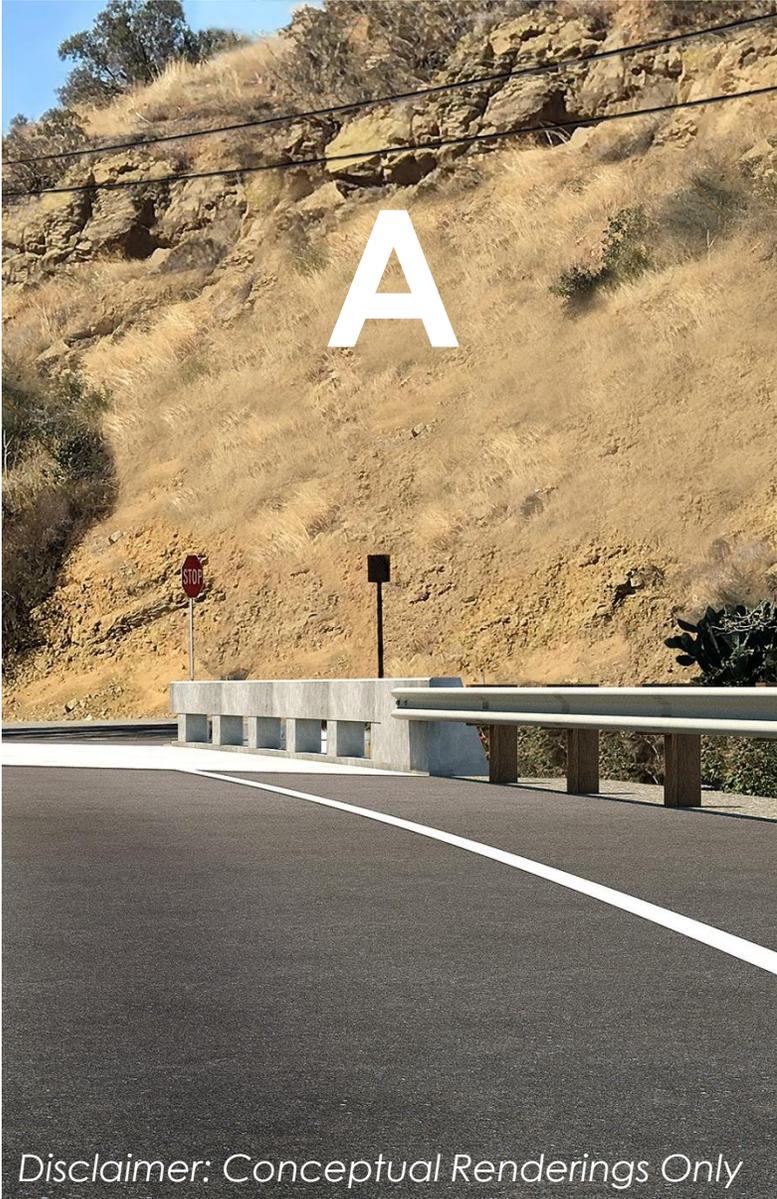
RAILING OPTION C

Concrete and Wood Railing



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RAILING OPTIONS





QUESTIONS & ANSWERS

THANK YOU



ENGAGEMENT
ACTIVITY