

# PARKS AND RECREATION

## Canyon Rim Trail Underpass

CN 5101310

August 9, 2018



LOS ALAMOS  
NATIONAL LABORATORY

CN 5101310 Canyon Rim Trail Underpass

**WILSON**  
& COMPANY



# INTRODUCTION

## Los Alamos County

➤ Desirae Lujan, Project Manager

## Wilson & Company

➤ Conrad Ley, Project Manager

➤ Myra Candelaria, Project Engineer



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# PROJECT TEAM

- Los Alamos County
- Federal Highway Administration (FHWA)
- New Mexico Department of Transportation (NMDOT)
- Wilson & Company
- Marron and Associates, an NV5 Company
- Cobb Fendley
- North GES



# PROJECT & PURPOSE

## ➤ Canyon Rim Trail Underpass

- New Trail Construction
- New Underpass
- Improve safety for pedestrians and bicyclist crossing NM 502 to Camino Entrada

## ➤ Stakeholders – Los Alamos County, Residents, Commuters, Local, State and Federal Agencies, Business Owners



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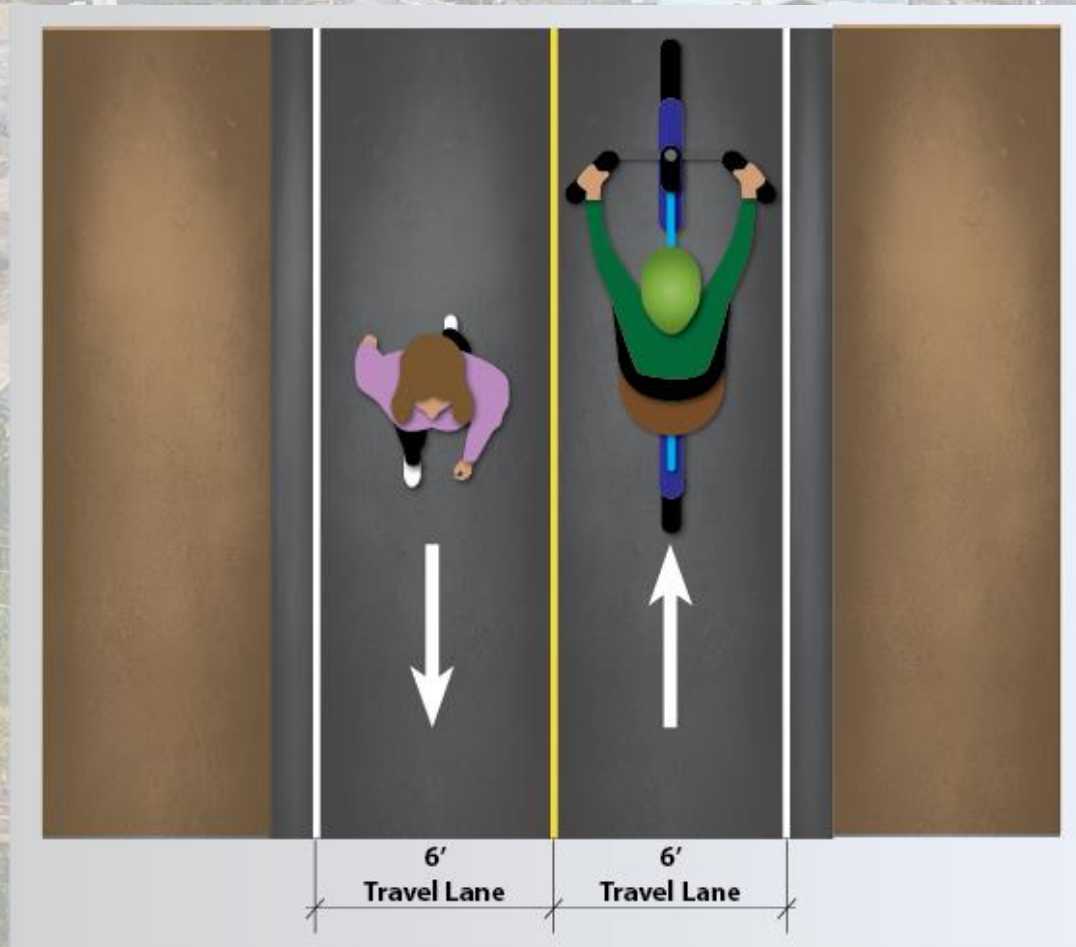


# SCHEDULE

- Kickoff Meeting – April 2018
- Alignment Scoping Report– July 2018
  - Art in Public Places Presentation July 26, 2018
  - T-Board Presentation August 2, 2018
  - Parks and Recreation Board Presentation August 9, 2018
- 60% Plans – August 2018
- 90% Plans – November 2018
- Final Plans – March 2019
- Construction – Spring 2020

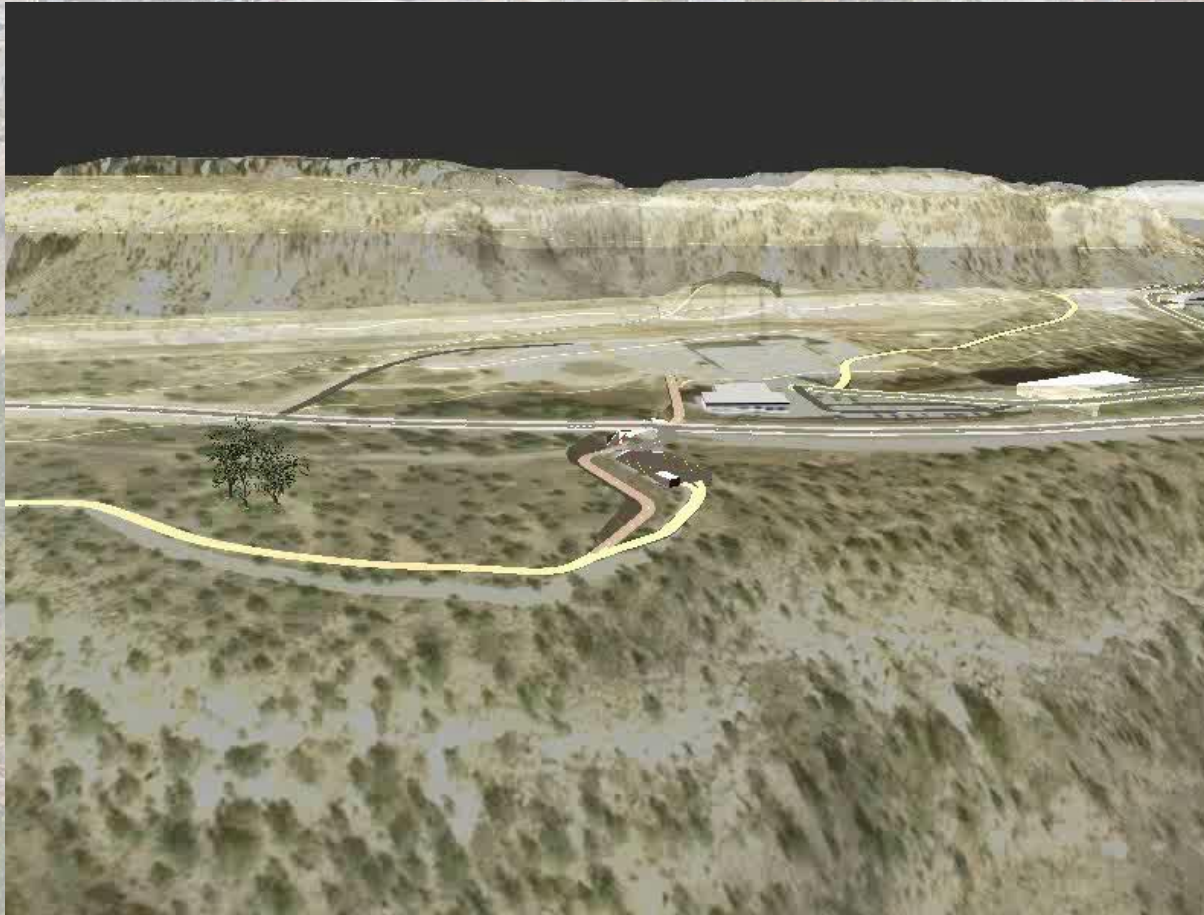


# PROPOSED TYPICAL SECTION





# ALIGNMENT 1



- 85' skewed underpass
- Vertical grades up to 5%
- Less impacts to utilities
- Cast-in-place wing walls and headwalls



# ALIGNMENT 2

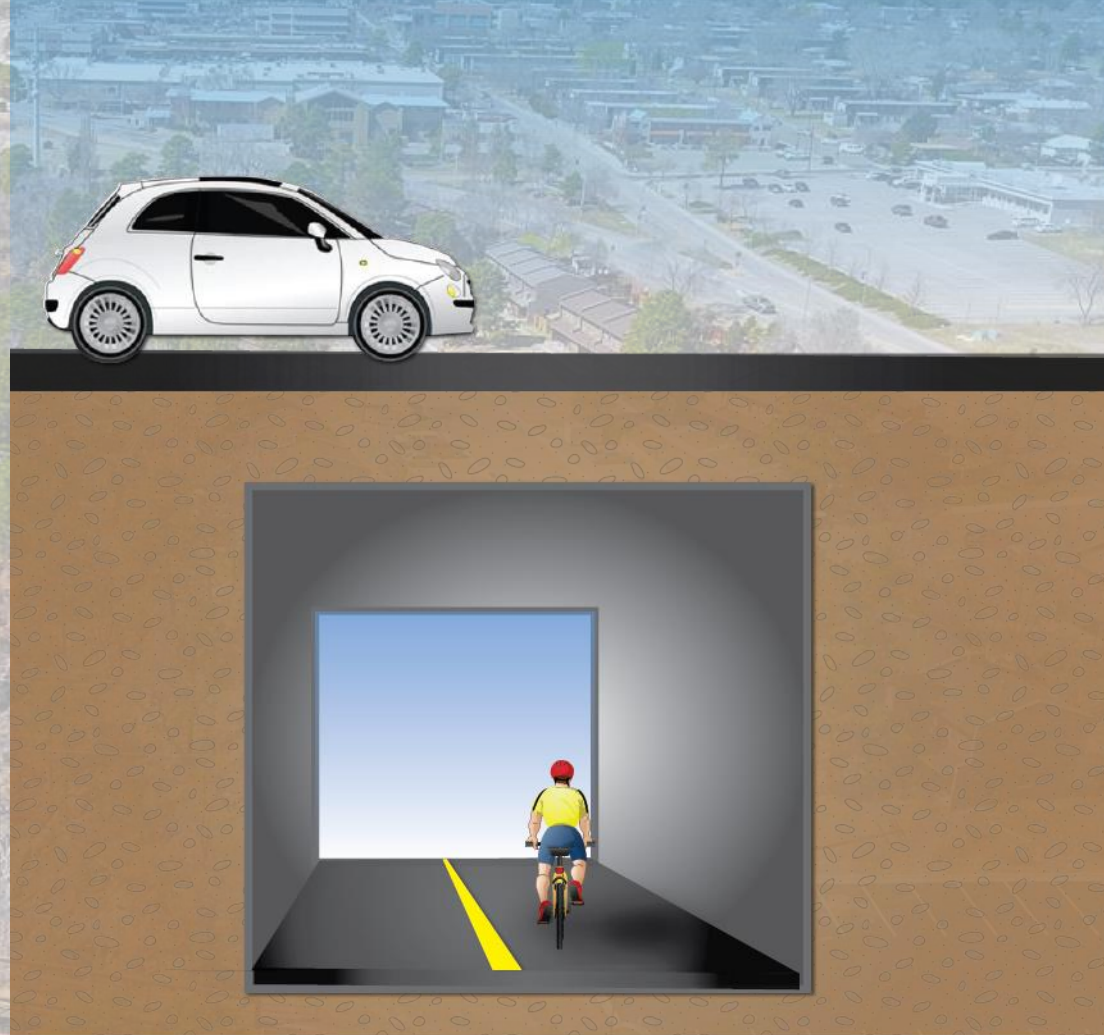


- 60' parallel underpass
- Vertical grades up to 5%
- Difficult to construct
- Retaining wall up to 12 feet in height



# ALTERNATIVE 1

- Precast Concrete Box Culvert (CBC)
- 14-ft or 12-ft span by 10-ft height
- Drainage will be carried within structure (swale)





# ALTERNATIVE 2

- Round Pipe
- 16-ft in diameter
- Additional excavation and backfill required
- Drainage will be routed beneath the trail within a storm drain





# ALTERNATIVE 3

- Arch Pipe
- 18-ft span
- Additional time required for foundations
- Drainage will be routed beneath the trail within a storm drain





# ARTISTIC ELEMENTS

- Safety lighting for the underpass and Trailhead parking lot
- Potential for Public Art on wing walls, headwalls, floor of structure
- Arts in Public Places board will manage and fund art, coordinate with project team.





# LANDSCAPE ELEMENTS

- Locations for landscape
  - Adjacent to retaining walls, slopes
- Xeriscape/Non-irrigated
- Natural
- Low Maintenance
- Potential for funding
- Parks & Recreation Board Ideas



# FUNDING

- **Federal Transportation Alternative Program Grant**
  - FY 2018 Design and Construction Management - \$320,000
  - FY 2020 Construction - \$2,020,000
  - CIP for Grant Match (14.56%)
  - Public Art Funds



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# PUBLIC REVIEW & COMMENT

- We want to hear from you!
- Please submit your comments via:
  - Email your comments to [Conrad.ley@wilsonco.com](mailto:Conrad.ley@wilsonco.com)



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An aerial photograph of a town, likely Los Alamos, with mountains in the background. A large, stylized 'QA' logo is overlaid in the center. The 'Q' is black and the 'A' is blue. The background shows a mix of residential and commercial buildings, parking lots, and some undeveloped land with trees.

# QA