

Canyon Rim Trail & Urban Trail Project Updates

Incorporated County of Los Alamos
Public Works Department

March 9, 2021

ATTACHMENT A

Supports Council Goals

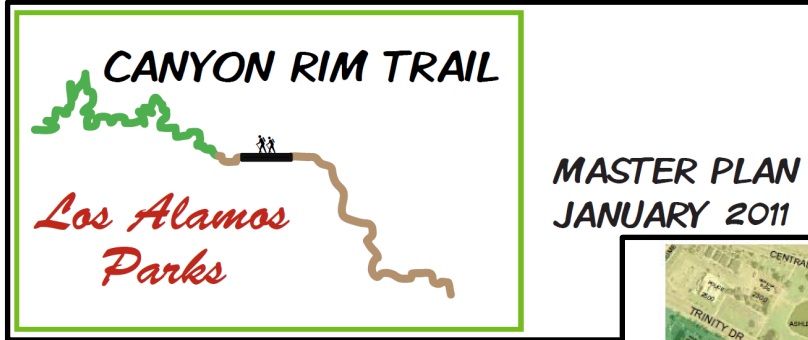
Expand transportation and mobility options and address parking challenges.

Work with regional partners and the Laboratory to consider holistic solutions for the needs and challenges facing Los Alamos and White Rock in the context of expanded housing and employment in the County and the desire to create a walk-, ride-, and environmentally-friendly community.

Investing in infrastructure.

Appropriately balancing maintenance of existing infrastructure with new investments in county utilities, roads, facilities and amenities, which will help improve environmental stewardship, sustainability, and quality of life, while allowing for sustainable growth.

Canyon Rim Trail – Historical Overview



August 2010 – Phase I between Camino Entrada Area and Fire Station 6 was opened.

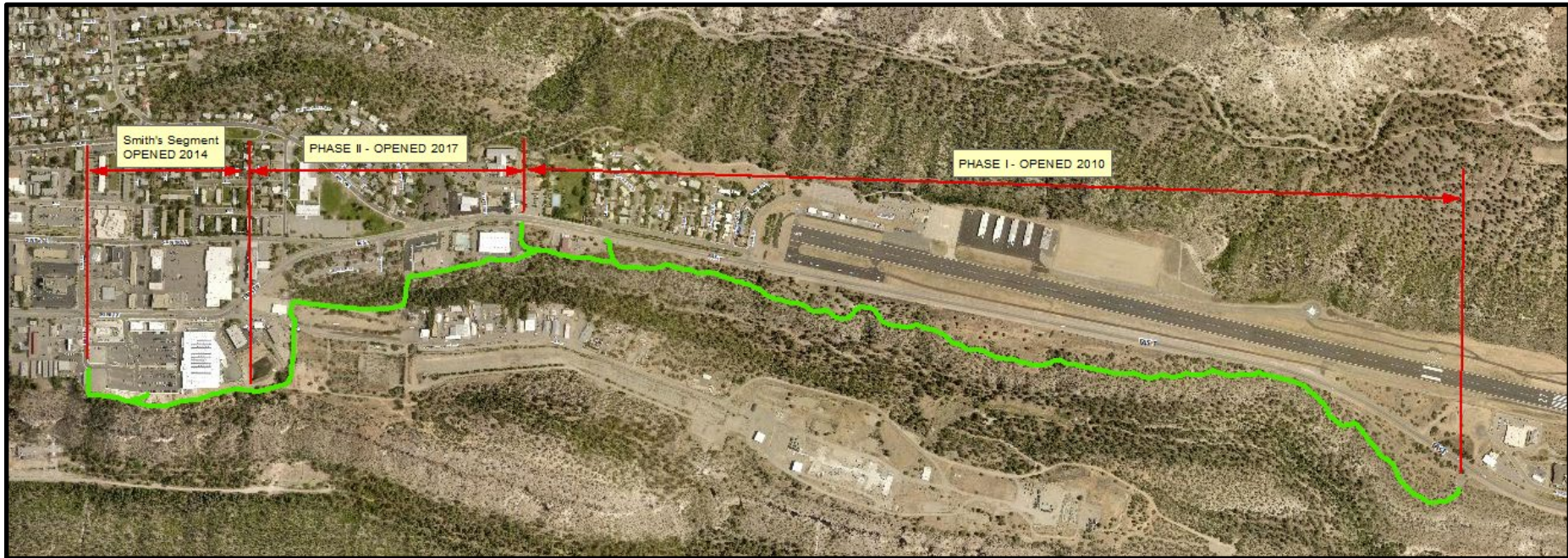
The 2011 Master Plan considers trail segments continuing west to 2200 block of Trinity Drive (Between Loma Vista and the Feynman Center & Christus Building.



Canyon Rim Trail – Historical Overview

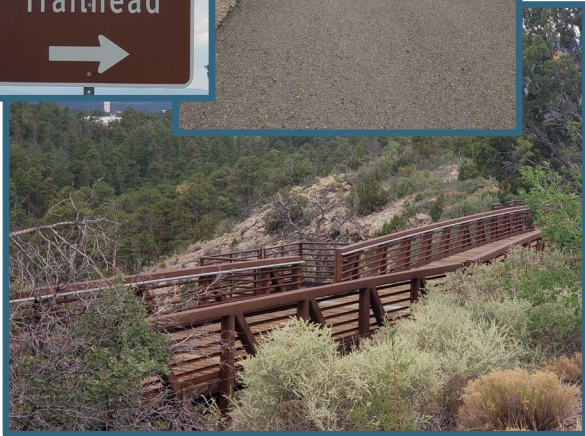
2.7 Miles of Paved Multiuse Trail Constructed – Camino Entrada Area to Knecht Street

- 2010: Phase I - Canyon Rim Trailhead to Fire Station 6
- 2014: Smith's Marketplace Segment
- 2017: Phase II - Fire Station 6 to Smith's Marketplace

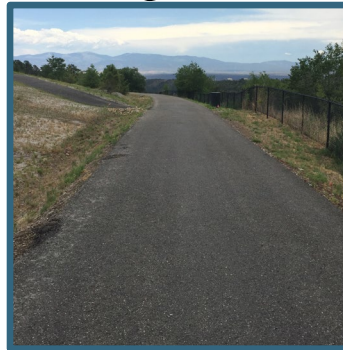


Canyon Rim Trail – Historical Overview

Phase I



Smith's
Marketplace
Segment



Phase II



Canyon Rim Trail – Historical Overview

December 2015

Transportation Board recommendation to determine feasibility of extending trail, Knecht St. to LAMC

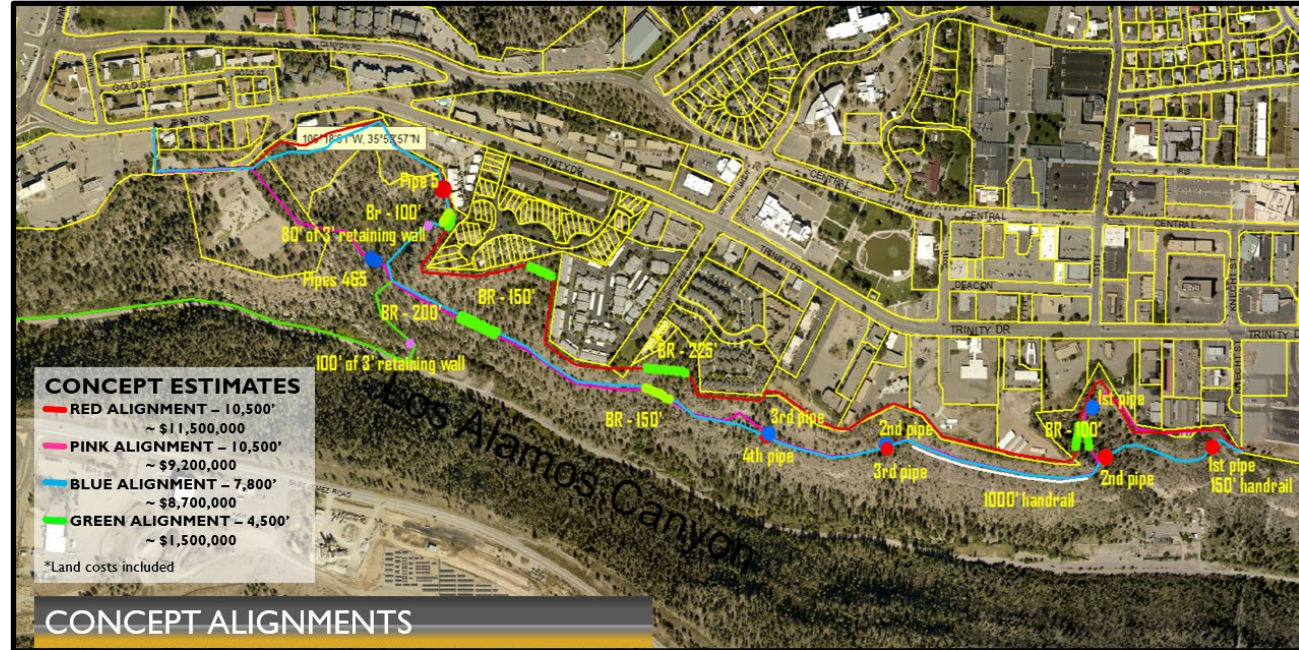
January 2016

Coordination meeting held with LANL/County representatives to discuss possibilities, issues of concern

- 12 SWMUs identified on north face of Los Alamos Canyon
- Existing LANL trails along North side of Los Alamos Canyon
- Manhattan Project National Historical Park Interests?
 - Trail View Sites
 - Access to historical sites
 - Security

March 2016

Feasibility Study Presented to T-Board



Canyon Rim Trail – Historical Overview

2016 Feasibility Study

- Constraints
 - Difficult Terrain
 - ROW (Land) Needs
 - DOE – SWMU's/Cultural Resources/Security
 - Costs
- Constructability
 - Prefabricated Pedestrian Bridges
 - Retaining Walls
 - Drainage Structures
 - Tree Removal
 - Rock Excavation



Shift from “CRT Phase IV” to Urban Trail

December 2015 - Transportation Board recommended an evaluation of the CRT feasibility between Knecht Street and the Los Alamos Medical Center

March 2016 - evaluation highlighted the challenging terrain, private & DOE ownership of the land, and legacy environmental issues resulting in unknowns/high costs for constructing the trail along the canyon edge

April 2016 - citizen petition was submitted requesting the development of an urban bike path through the center of town connecting to the existing Canyon Rim Trail

May 2016 - Council requested that staff investigate/research the petitioner’s request in collaboration with the Transportation Board


July 2016 - Engineering staff developed a conceptual map of an urban bike path and pedestrian routes with the Bicycle Subcommittee; Transportation Board recommended further study, costing, and engineering designs

July 2016 - Council unanimously approved the Bicycle and Pedestrian Route Map formulated by the Transportation Board and Bicycle Subcommittee for inclusion in the forthcoming update of the Bicycle Transportation System Plan

Canyon Rim Trail – Historical Overview

2017 Bicycle Transportation Plan – High Priority Corridor

Identified CRT connection from Knecht St to 20th Street & Urban Trail alignment as a high priority corridor



Bicycle Transportation Plan
Council Adopted June 27, 2017


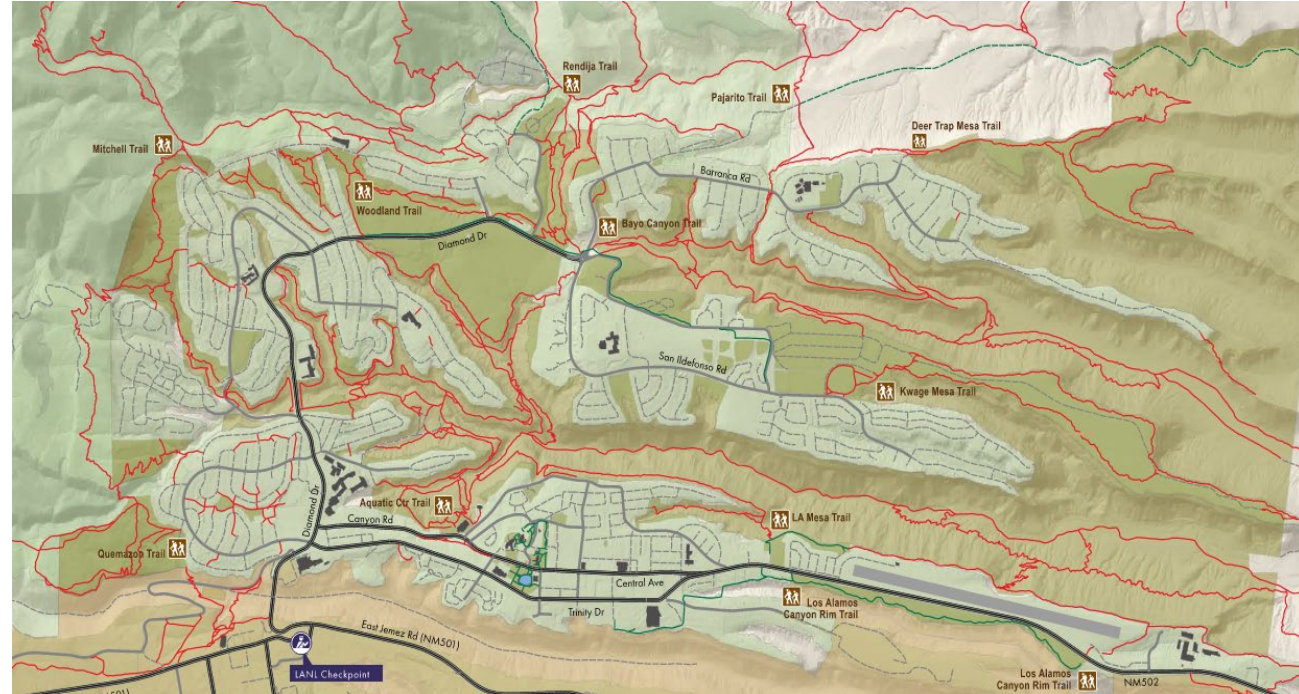


Exhibit C: Los Alamos Bicycle & Pedestrian Routes Map (Priority Corridor)



Connectivity

- Street Network
- Residential Neighborhoods
- Downtown Business District
- Lodging
- Parks, Open Space, Recreational, Community & Cultural Facilities
 - East Park
 - Ashley Pond Park
 - Teen & Youth Activity Center
 - Fuller Lodge & Historical Museum
 - Mesa Public Library
 - Nature Center
 - Aquatic Center
 - Kinnikinnik Park
 - Recreational Single-Track Trails & Trailheads
 - La Mesa, Pueblo Canyon Rim, & Acid Canyon Trails

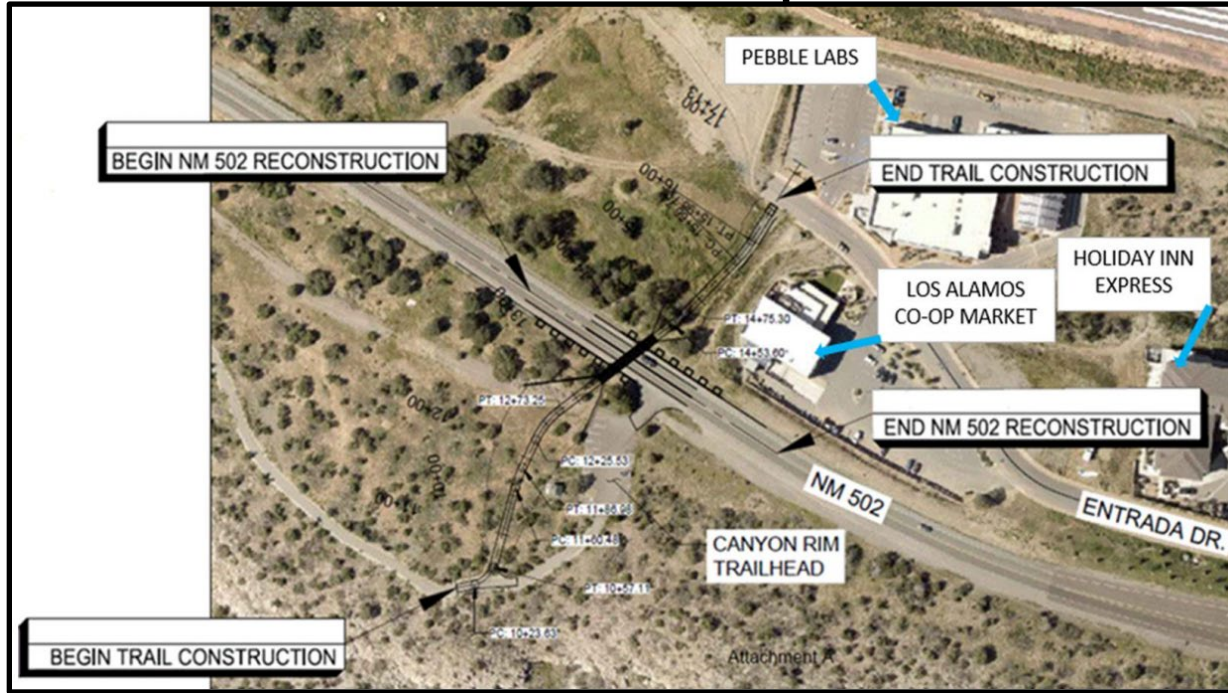


Projects In Development

PROJECT DEVELOPMENT TIMELINE				
PROJECT	2021	2022	2023	2024
Canyon Rim Trail Underpass	Construction			
Canyon Rim Trail Phase III	Land Acquisition/Final Design	Construction		
Urban Trail Phases I and II	Study/Design	Construction		
Other Related Projects:				
Trinity Drive Safety & ADA Improvements - Oppenheimer to Knecht	Study/Design/ROW & Utility		Construction	
On Road Bike Improvements, i.e. Bike Lanes				
Connections to CRT/Urban Trail Systems and Trinity Road Diet Bike Lanes				
Trinity/20th Street Traffic Signal	Permitting/Design & Construction - Pending Marriott			
Trinity/35th Street Improvements	Construction - Pending Hill Apartments			

Canyon Rim Trail

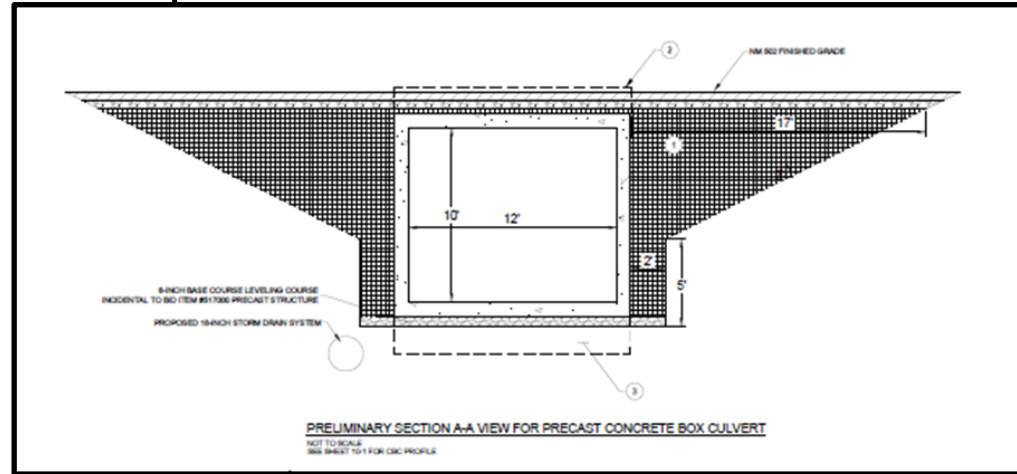
NM502 Underpass



Canyon Rim Trail

NM502 Underpass

- January 26, 2021 – Construction Contract Award w/AUI, Inc.
- April 2021 – Construction Start
- October 2021 – Construction Completion
- Budget - \$3,550,000
 - Project Funding
 - \$1,725,888 Federal
 - \$1,824,112 County



Canyon Rim Trail

Phase III – Knecht St. to 20th St.



Canyon Rim Trail

Phase III – Knecht St. to 20th St.

Project Development Scope & Schedule:

- Souder Miller & Associates
- Work Completed:
 - Preliminary Design – Alignment Alternatives, Utility Impacts, Grading & Drainage
 - ROW and Easement Survey, Title Reports and Appraisals for Land Acquisition
 - DOE Easement Dedication
 - Natural Grocers – Easement Dedicated; Site Development Completed Late 2020
- Work in Process:
 - Update of Title Reports and Appraisals for Land Acquisition
- Work to Follow:
 - Final Design & Construction, Pending Land Acquisition
- Future Work: Development of the 15th to 20th Street Segment (pending coordination w/ED & CDD)

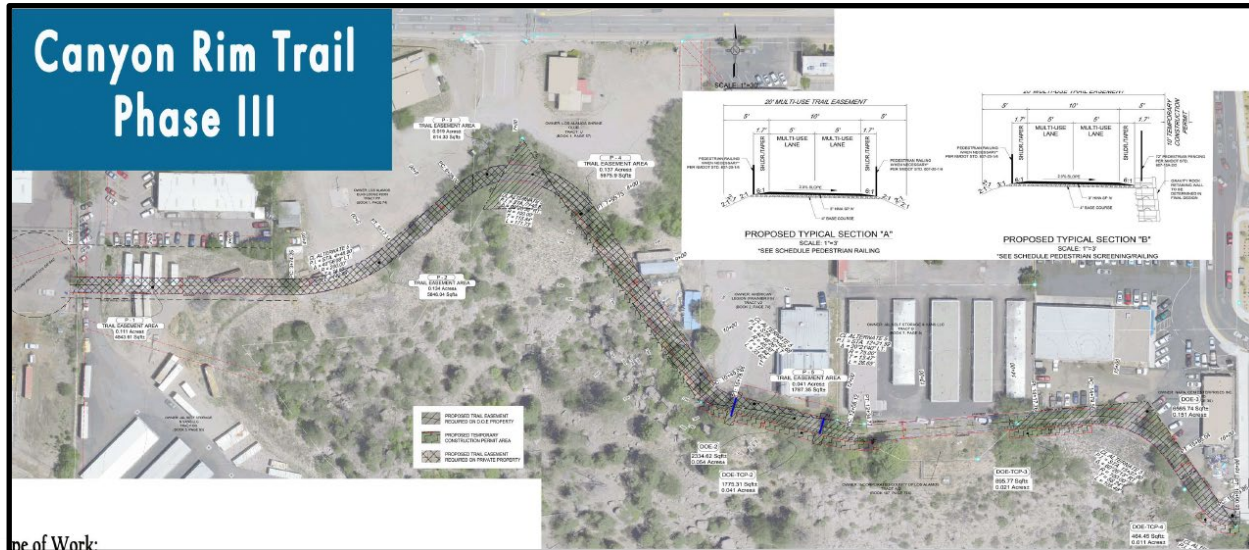
Project Funding: \$1,253,408 – FY16 & 20 CIP

Canyon Rim Trail

Phase III – Knecht St. to 20th St.

Project Challenges:

- Property Acquisition
- Constructability – Difficult Terrain along Canyon edge
- Rock Excavation, Retaining Walls and Drainage Structures



Urban Trail Phase I & Phase II

Project Scope:

Two phases for purposes of grant funding. The project proposes a 10 ft. wide (concrete and/or asphalt) multiuse trail serving as a north to west extension from the Canyon Rim Trail system and will provide connections to the downtown business district and nearby public parks and recreational facilities.

- **Phase I – Trinity Drive/20th Street to Spruce Street [approx. 0.45 Miles]**
 - In House Design by Engineering Staff
 - Environmental/Cultural Study & Clearances by Wilson & Company

- **Phase II – Spruce Street to the Aquatic Center [approx. 0.45 Miles]**
 - Design by Wilson & Company
 - Environmental/Cultural Study & Clearances by Wilson & Company



Urban Trail Phase I & Phase II

Project Schedule:

Phase I

- Design Kick-off: November 2020
- Environmental/Cultural Study: June - August 2021
- Final Design & Construction Documents: December 2021
- Construction: Spring through Fall 2022*

Phase II

- Design Kick-Off: March 2021
- Environmental/Cultural Study: June - August 2021
- Final Design & Construction Documents: December 2021
- Construction: Spring through Fall 2022*

* Phase I and Phase II to be constructed under one contract

Urban Trail Phase I & Phase II

Project Funding:

Phase I:

Transportation Alternatives Program (TAP) Funding

- FFY2021 - \$ 25,000 for Environmental/Cultural Study
- FFY2022 - \$675,000 for Construction & Construction Management

Phase II:

Congestion Mitigation & Air Quality (CMAQ) Funding

- FFY2020 - \$ 230,000 for Design and Environmental/Cultural Study
- FFY2022 - \$3,375,000 for Construction

Urban Trail Phase I & Phase II

Project Funding:

Urban Trail Phase I and Phase II				
Fund Source	Study/Design		Construction	TOTAL
	FY 2020	FY 2021	FY 2022	
Federal Grant (85.44%)	\$ 196,512	\$ 21,360	\$ 3,460,320	\$ 3,678,192
County CIP (14.56%)	\$ 33,488	\$ 3,640	\$ 589,680	\$ 626,808
Total	\$ 230,000	\$ 25,000	\$ 4,050,000	\$ 4,305,000
<i>*Committments/Expenditures for Study & Design in Process</i>				

Urban Trail Phase I & Phase II

Project Challenges:

- NMDOT Funding Agreement deadlines to complete design and construction
- Environmental and Historic cultural resources in the area of Phase I.
- Landscape and Irrigation near Fuller Lodge for Phase I
- Steep terrain & ADA compliance for Phase II
- Canyon Road Crossing



Questions?

