

01. Southeast corner of Publix Supermarket parcel (looking south)



02. West of Publix Supermarket (looking west)



03. West of Publix Supermarket facing proposed greenway (looking south)

This report analyzes both natural and built environmental constraints. Other considerations that were analyzed included connections to existing and planned greenways adjacent to the study area limits and existing conditions. Also, site visits combined with a geographic information systems (GIS) analysis were performed to identify the following: community features, environmental resources, and demographic data. Additionally, existing plans were reviewed to acquire information on the study area's history.



### **Opportunities and Barriers**

#### **Opportunities and Barriers Considered:**

Connections to destinations and points of interest

Connectivity across the region

Potential economic development opportunities

Environmental protection

Physical and topographic barriers

Constraints associated with the floodplain

Constraints associated with utilities

Impacts to landowners and to the natural and human environment

Challenges associated with right-of-way (ROW)

Funding opportunities

#### **Demographic Analysis**

#### **Demographics Analyzed:**

Population and age

Minority and race

Limited English Proficiency and Language Assistance

Income and housing

Car ownership

Commuting patterns

### **Public Participation**

Stakeholders were engaged during three events: Oversight Committee meetings, Property Owner Meetings, and a Virtual Public Meeting.

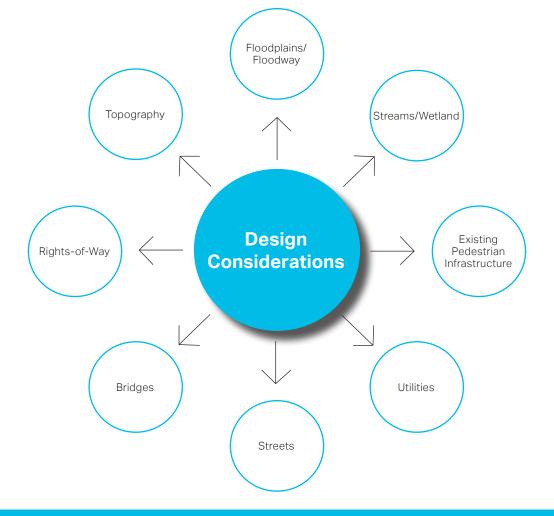
Online surveys were distributed to both the property owners and the general public. Overall, 6 responses were collected from property owners and 64 responses were collected from the general public. Survey responses were collected between November 2<sup>nd</sup>, 2020, and November 30<sup>th</sup>, 2020.



83% of property
owners would support
an attached multi-use
path on Jonesborough
Street.

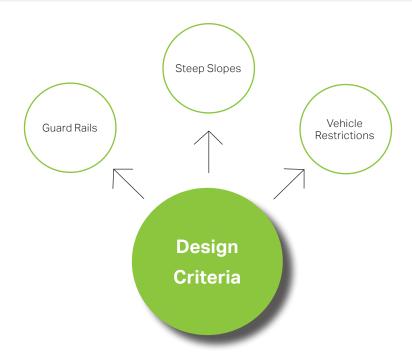
86% of the general public believes that the Mud Creek Greenway is a good alternative for off-road facilities and bicycle and pedestrian connections.

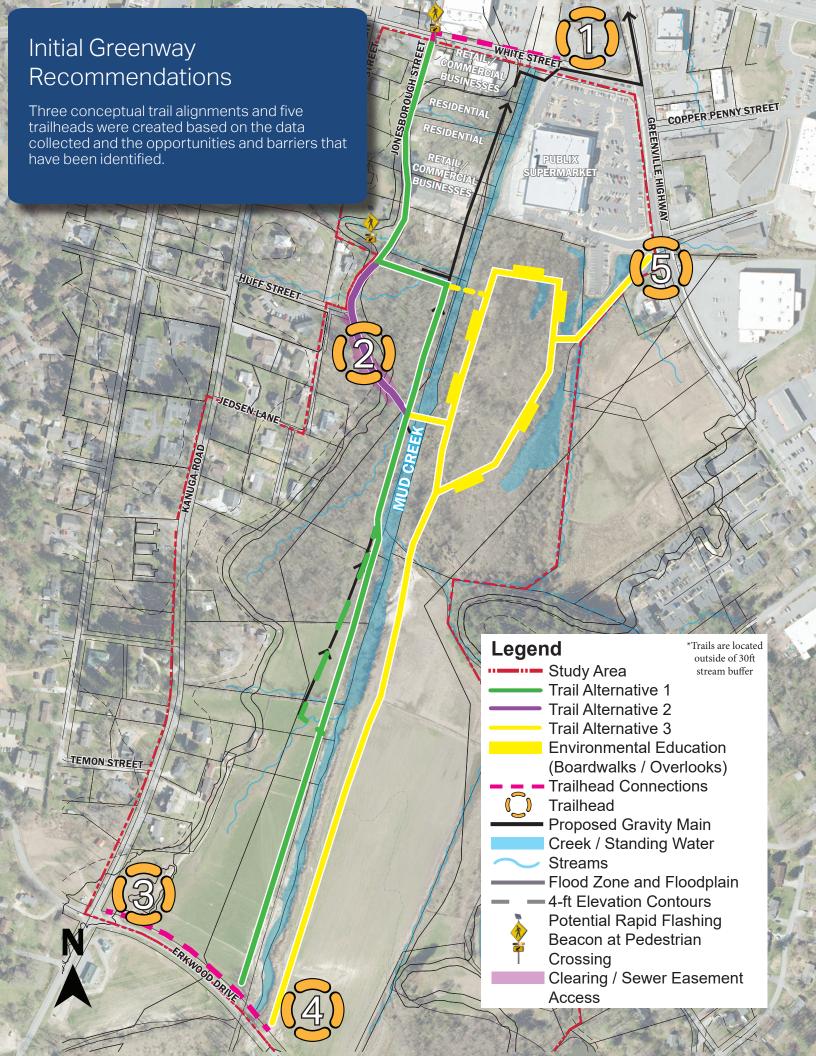


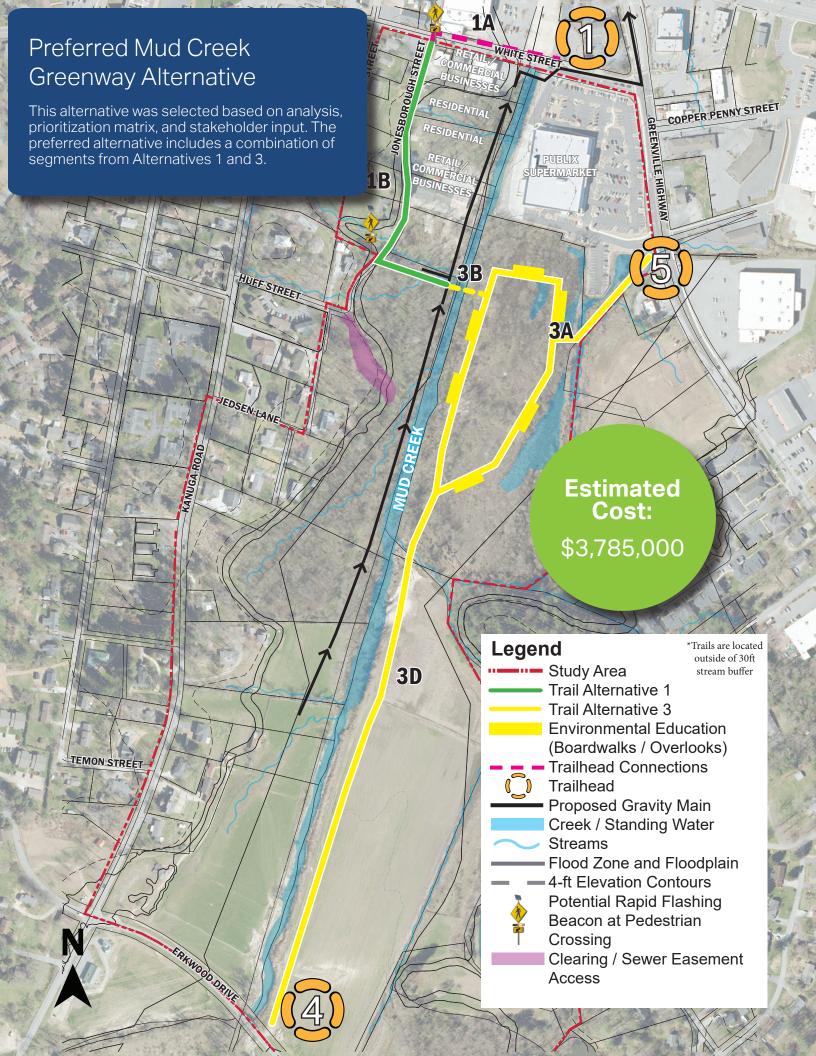


### Recommendations

The alternatives for the Mud Creek Greenway were recommended after careful review of design considerations (human and natural environment) and design criteria. Specifics for each are provided above and below, respectively.

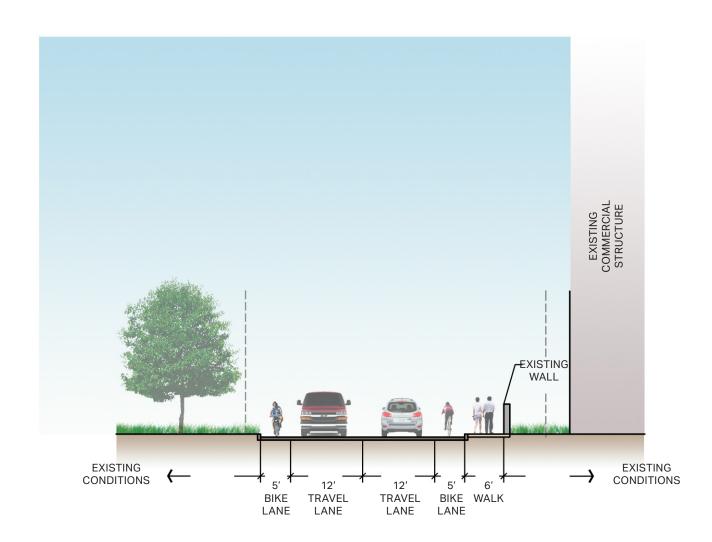






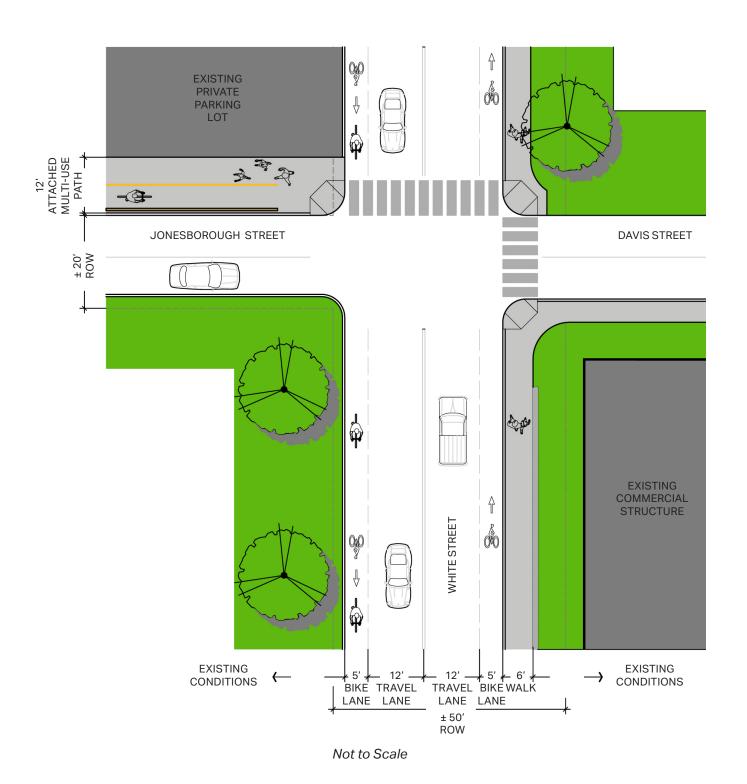
#### **White Street Section**

2 - 5' Bike lanes, 6' sidewalk, and crosswalks to 12' multi-use path on Jonesborough Street



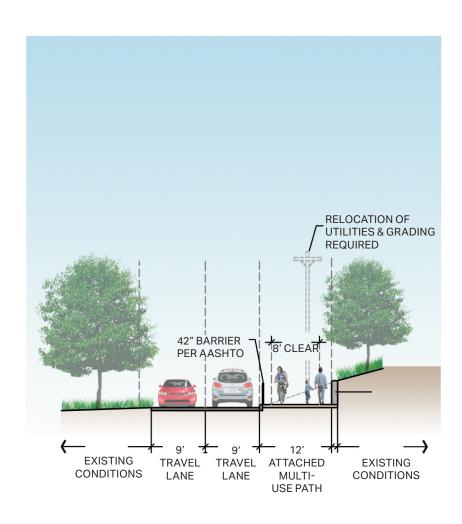
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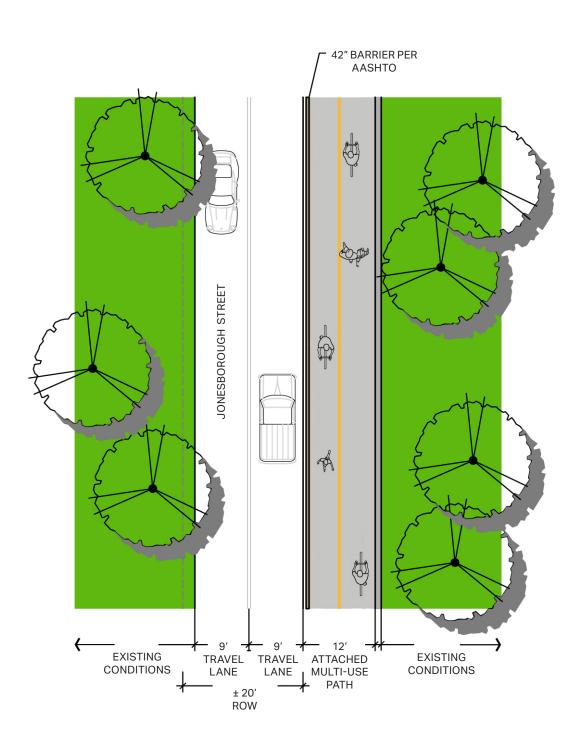
#### **Jonesborough Street Section**

12' Attached multi-use path



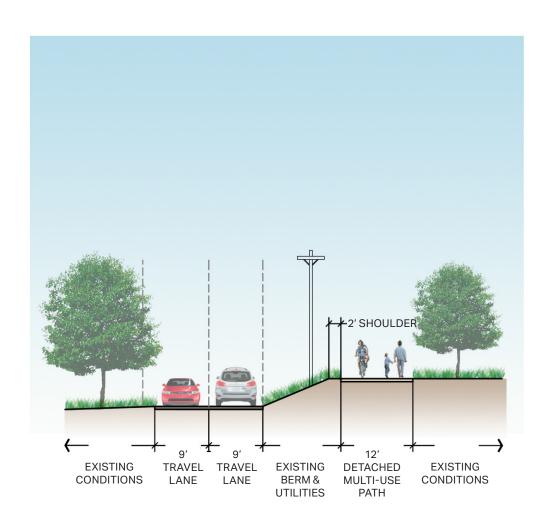
#### Jonesborough Street Section

12' Attached multi-use path



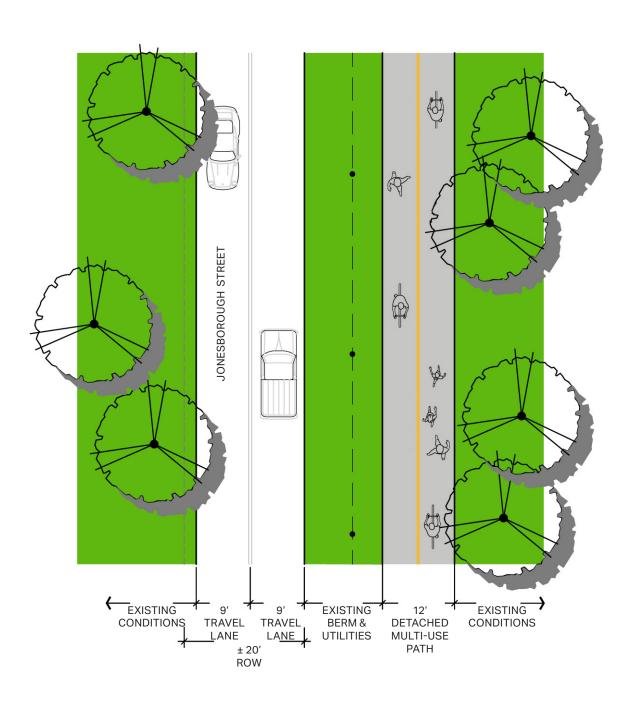
#### Jonesborough Street Section

12' Detached multi-use path



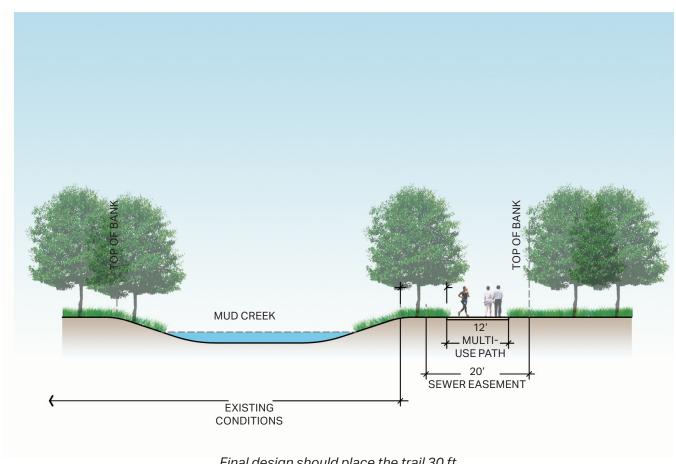
#### **Jonesborough Street Section**

12' Detached multi-use path



#### **Mud Creek Section**

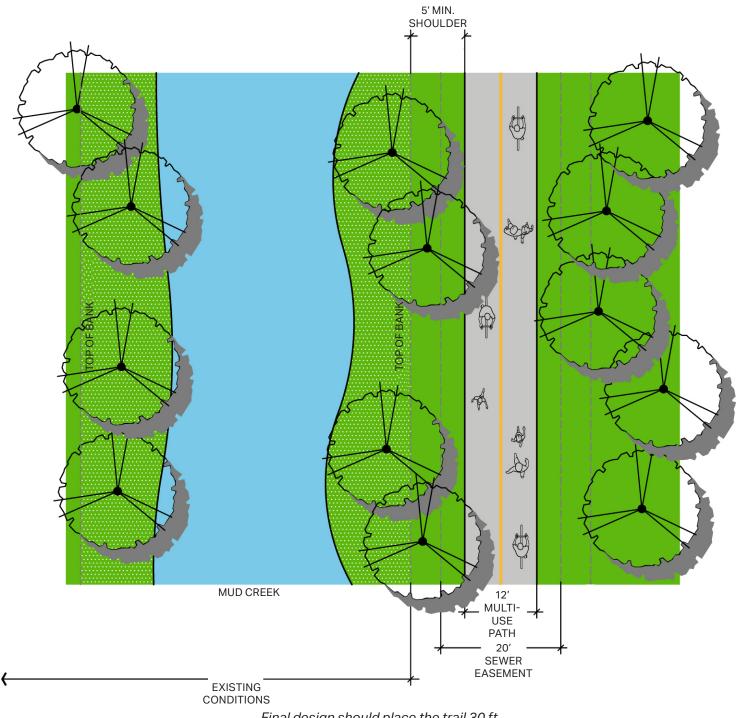
12' Multi-use path



Final design should place the trail 30 ft from the stream (outside of 30 ft stream buffer) or permits will be required.

#### **Mud Creek Section**

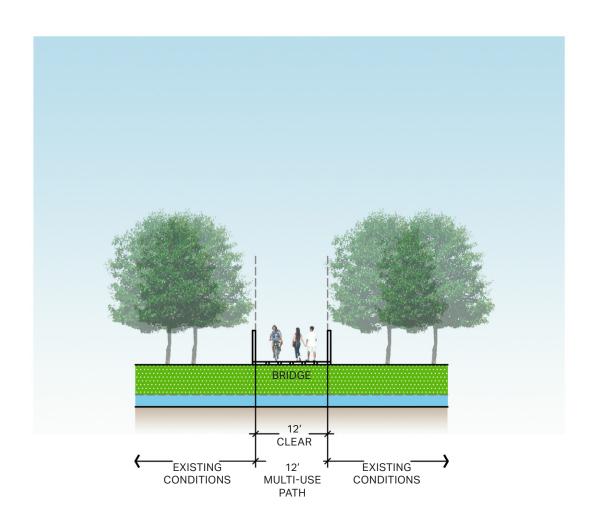
12' Multi-use path



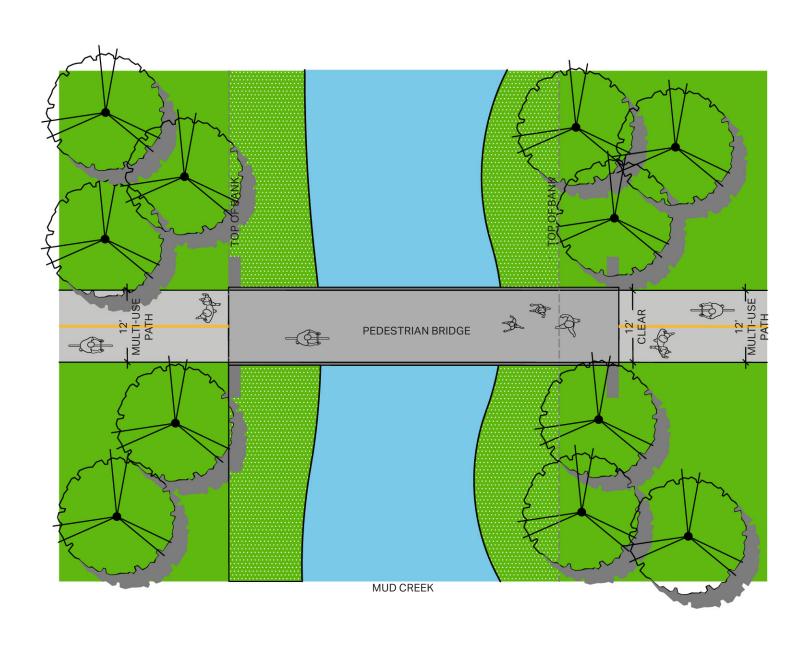
Final design should place the trail 30 ft from the stream (outside of 30 ft stream buffer) or permits will be required.

Not to Scale

#### Mud Creek Section ± 12' Pedestrian bridge

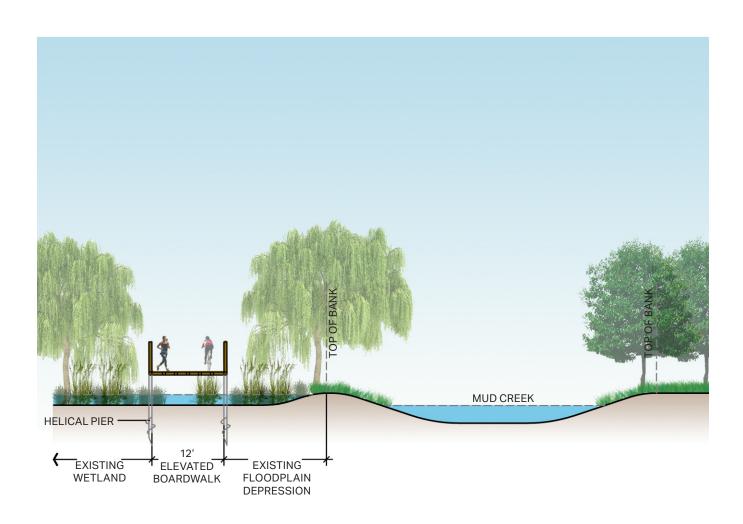


#### Mud Creek Section ± 12' Pedestrian bridge



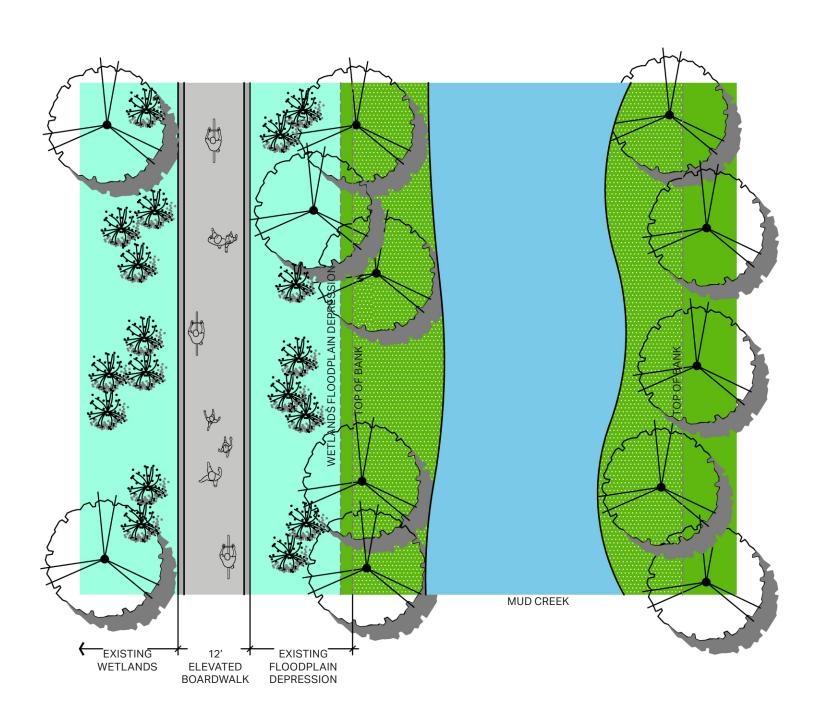
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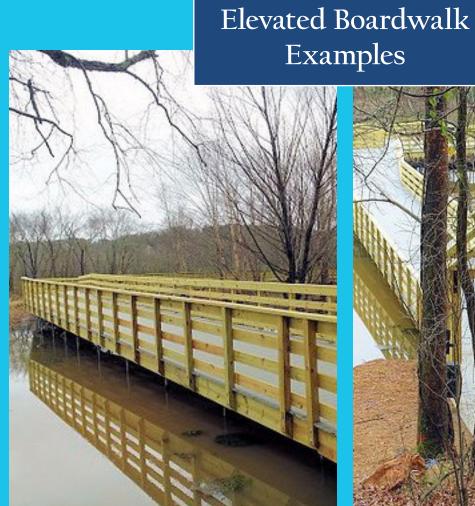
12' Elevated boardwalk



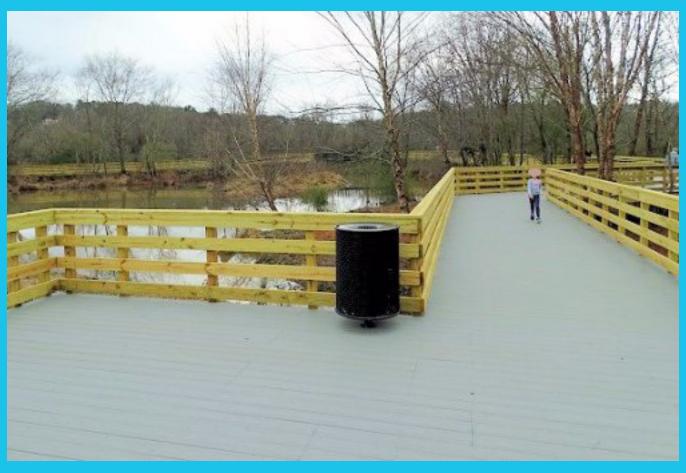
#### **Mud Creek Section**

12' Elevated boardwalk













# MUD CREEK GREENWAY TRAILHEAD CONCEPTUAL RENDERING

**DISCLAIMER:** THIS DISPLAY IS FOR CONCEPTUAL RENDERING ONLY, SUBJECT TO CHANGE BASED ON FINAL SURVEY AND DESIGN. USERS OF THIS INFORMATION SHOULD REVIEW OR CONSULT THE PRIMARY INFORMATION AND DATA SOURCES TO ASCERTAIN THE USABILITY OF THE INFORMATION.







# MUD CREEK GREENWAY MULTI-MODAL PATH CONCEPTUAL RENDERING I - Jonesborough Street

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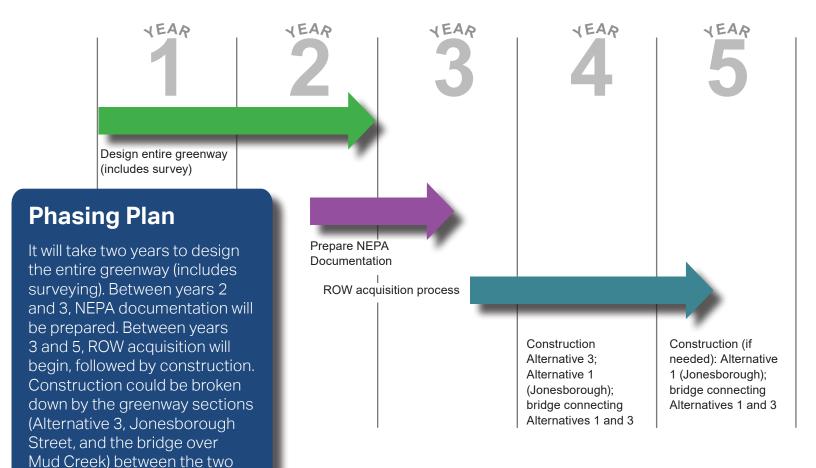




## MUD CREEK GREENWAY MULTI-MODAL PATH CONCEPTUAL RENDERING II

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## Potential Funding Sources

alternatives.

- Surface Transportation Block Grant
- Transportation Alternatives Program (TAP)
- Henderson County Tourism Development Authority (TDA)

## Land Acquisition Strategies

- Fee Simple
- Option
- Right of First Refusal
- Easement
- Remainder Interest/Life Estate
- Donation
- Purchase/Lease Back

#### **Coordination Opportunities**

- Blue Ridge Bicycle Club
- Carolina Thread Trail
- City of Hendersonville
- Conserving Carolina
- North Carolina Department of Environmental Quality (NC DEQ)

- North Carolina Department of Transportation
- RiverLink
- MountainTrue
- French Broad River Metropolitan Organization
- United States Army Corps of Engineers (USACE)