

**US 178**

from Middlefork Road (SR 1133) to South Carolina

Local ID: TRAN0021-H

Purpose: Facility Deficiencies

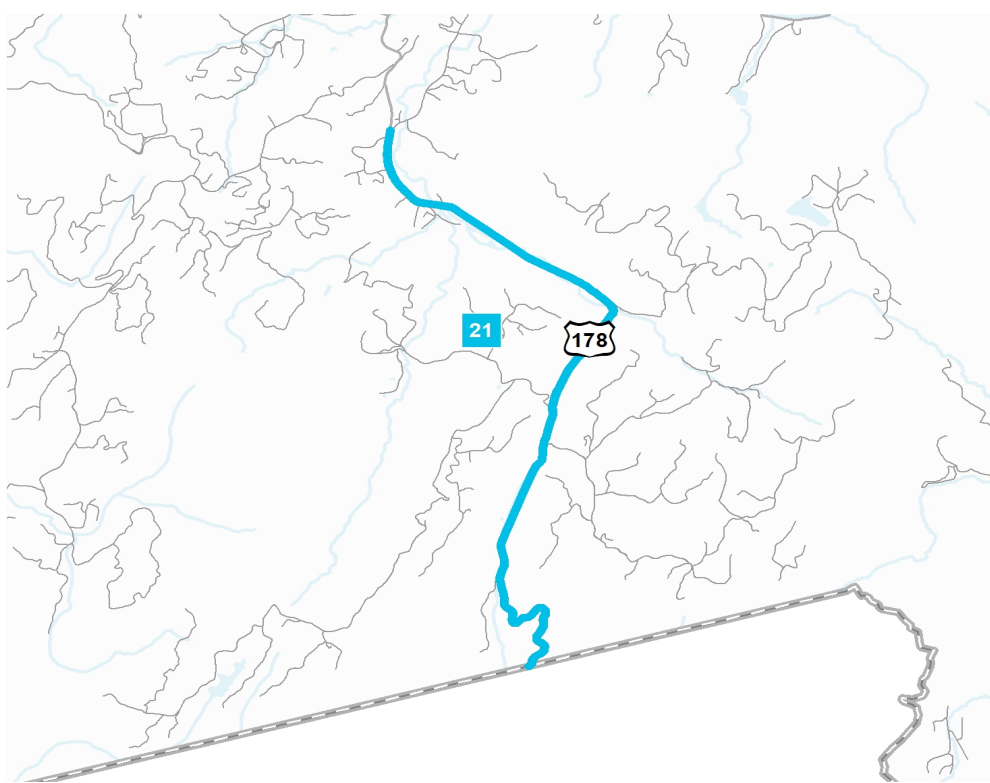
Improvement: Improve Existing

**Identified Need**

Improve alignment, lane widths, and shoulders to current design standards

**Recommendation**

Improve alignment, lane widths, and shoulders to current design standards, including 5-foot paved shoulders.



	Local ID #	Improve	New Location		Local ID #	Improve	New Location
Congestion / Mobility	#	—	—	Interchange	⊙	□	■
Access Management / Operations	#	—	—	Bridge / Overpass	⊙	○	●
Modernization	#	—	—	Intersection	⊙	∟	▲
Other	#	—	—				

**Proposal At A Glance**

Highway Class	Modernization
Facility Type	Major Thoroughfare 2-lane
Typical Section	02 A
Section Options	-
Length (miles)	3.95
Existing ROW (feet)	80
Safety Risk Score	-

**Proposal Data: 2017 Base Year 2045 Future Year**

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Major Thoroughfare 2-lane	-	Major Thoroughfare 2-lane
Travel Lanes	2	2	2
Volume (vpd)	1300	1500-2400	-
Capacity (vpd)	11600-14600	11600-14600	11600-14600

**Capacity Data: Year**

Facility will be Approaching Capacity (>80%)	-
Facility will be Over Capacity (>=100%)	-

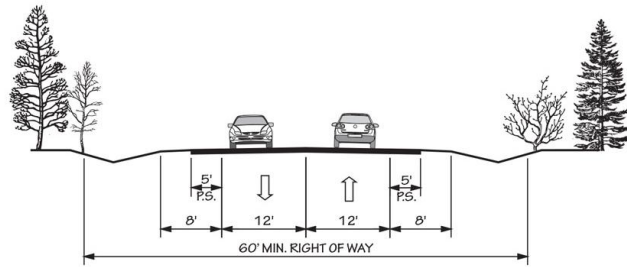


**Typical Section Options:**

None

# TYPICAL SECTION No. 2A

## 2 LANE UNDIVIDED WITH PAVED SHOULDERS



POSTED SPEED 55 MPH

### Project Overview

Linkage to Other Plans

According to the 2013 Blue Ridge Bike Plan, this facility is part of an "Other Bicycle Corridor" serving the region. It is classified as a minor arterial on the Federal Functional Classification System.

Multi-Modal Considerations

Transylvania County Transit, under the name "Transylvania in Motion" operates a fixed route as well as demand response system within the county. The deviated-fixed route does not reach this facility; however, it is within the demand response area. In order to accommodate bicycles, 5-foot paved shoulders are recommended on this facility.

Goals & Objectives Survey

The citizens of Transylvania County responded to a public survey in early 2019 with a great deal of support for new greenways, sidewalks, and multi-use paths. When asked for their top three most important project types, these categories ranked first, third and fifth, out of a dozen choices. Rounding out the top five were maintenance and safety projects at second and fourth respectfully.

Natural & Human Environmental Context

Based on planning level environmental assessment using available GIS data, the proposed project intersects wetlands and waterbodies. LHI Guild Analysis reveals multiple guilds of the Mesic Hardwood, Mixed Forest, Woodland, and Barrens variety. These are predominantly A-ranked resources with the balance being B-ranked.

It is also within the vicinity of one place of worship and the Eastatoe Creek Slopes Natural Heritage Area.

This project is within 150 feet of:

- Benthic Habitat(s)
- Wetlands
- Multiple Geology Types

Title VI

This recommendation passes through one or more Census Blocks with the following characteristics:

- Between 0% and 25% identify as African American
- Between 0% and 25% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 0% and 1% identify as Hispanic and Latino
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Asian and Pacific Islander
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Indo-European
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Other
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish
- Between 0% and 15% identify as Native American
- Between 5% and 15% identify as Below Poverty Line
- 0% identify as Some Other Race
- 0% identify as Two of More Races
- Between 0% and 15% identify as Households with No Car