

### Old Hendersonville Highway (SR 1504)

from Ecusta Road (SR 1512) to Crab Creek Rd (SR 1528)

Local ID: TRAN0046-H

Purpose: Facility Deficiencies

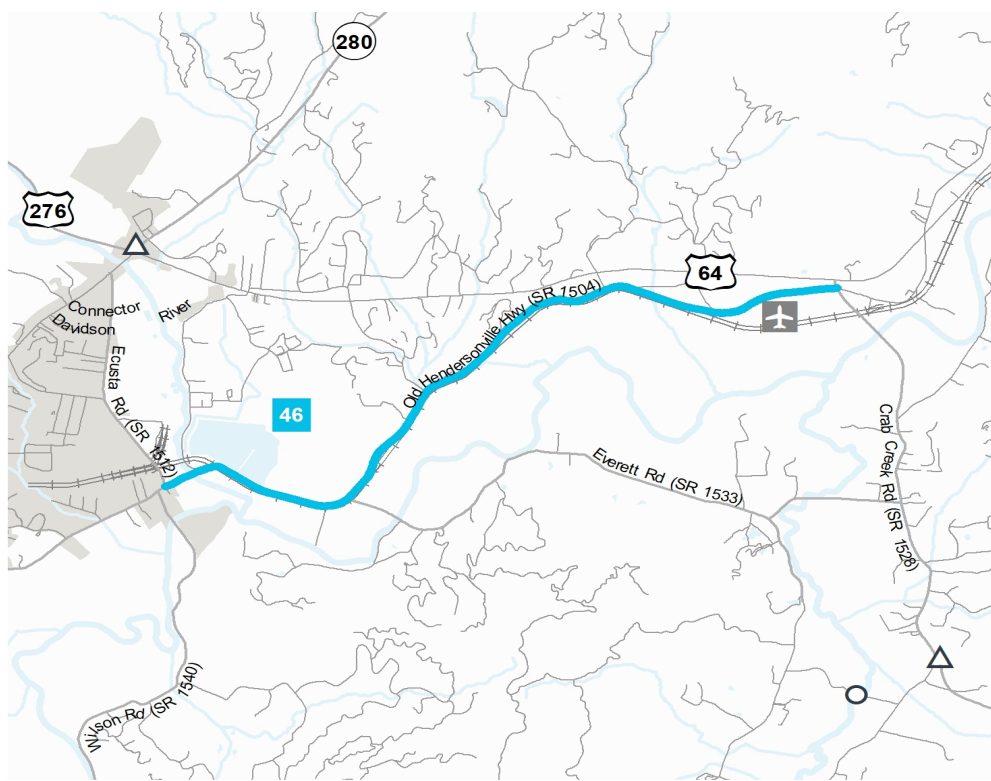
Improvement: Improve Existing

#### Identified Need

Old Hendersonville Highway (SR 1504) has no paved shoulder and lane widths of 9 feet. It is part of the Ride Transylvania County Bike Route.

#### Recommendation

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



### Proposal At A Glance

Highway Class	Modernization
Facility Type	Minor Thoroughfare
Typical Section	02 A
Section Options	-
Length (miles)	4.16
Existing ROW (feet)	
Safety Risk Score	99

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

Improved Route	Existing	Without Proposal	With Proposal
Facility Type	Minor Thoroughfare	-	Minor Thoroughfare
Travel Lanes	2	2	2
Volume (vpd)	2000-5400	2200-7500	-
Capacity (vpd)	10200-12100	10200-12100	10200-12100

### Capacity Data: Year

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

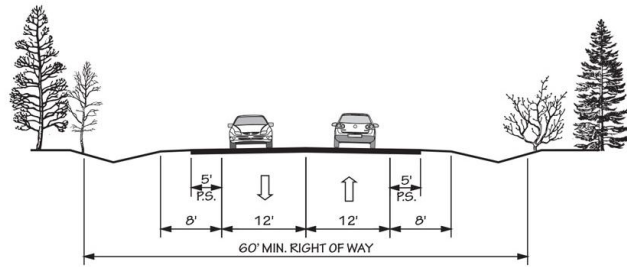


**Typical Section Options:**

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.

According to the 2025 Transylvania County Comprehensive Plan, this facility is part of the "Regional On-Road Bicycle Routes" identified in that plan. It is classified as a major collector 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.

The Transylvania County Bicycle Plan (2019) recommends a bike lane along this facility due to the higher traffic volumes and speeds. Old Hendersonville Highway (SR 1504) serves as part of the corridor connecting the Town of Brevard to DuPont State Forest, a major recreation destination. It is also part of North Carolina State Bike Route #8 "Southern Highlands" which connect the Blue Ridge Parkway to Lincolnton.

#### 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. When asked to rank transportation goals, the respondents gave two, preservation of the natural beauty and community character and increasing the number transportation mode choices, substantial net positive scores; improved connectivity, and economic development about neutral; and improved travel time

was poorly scored, receiving over 50% of the lowest rank.

#### Natural & Human Environmental Context

Based on planning level environmental assessment using available GIS data, the proposed project intersects the French Broad River local watershed, the Davidson River, Glade Creek, and Lyday Creek. It is also within the vicinity of a large unnamed water body and wetlands. The project is in proximity of the Transylvania Community Airport.

This project is within 150 feet of:

- Hazard Substance Disposal Area
- Targeted Local Watershed(s)
- Wetlands
- Hazard Substance Disposal Site
- Water Distribution System Pipes
- Sewer System Pipes
- Multiple Geology Types

#### Title VI

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

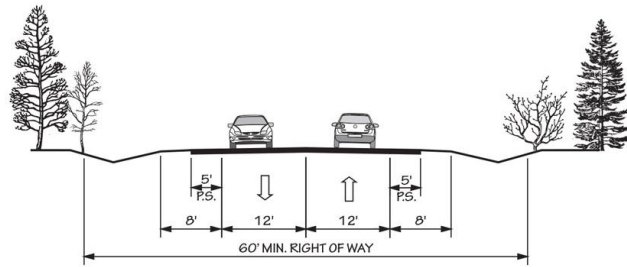
- Between 0% and 25% identify as African American
- Between 0% and 25% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 15% and 25% identify as Hispanic and Latino

**Typical Section Options:**

None

# TYPICAL SECTION No. 2A

## 2 LANE UNDIVIDED WITH PAVED SHOULDERS



POSTED SPEED 55 MPH

- 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
- Between 0% and 5% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish
- Between 0% and 15% identify as Native American
- Between 25% and 50% identify as Below Poverty Line
- 0% identify as Some Other Race
- Between 0% and 5% identify as Two of More Races
- Between 0% and 15% identify as Households with No Car