

### Old Hendersonville Highway (SR 1504)

from US 64 to Ecusta Road (SR 1512)

Local ID: TRAN0045-H

Purpose: Facility Deficiencies

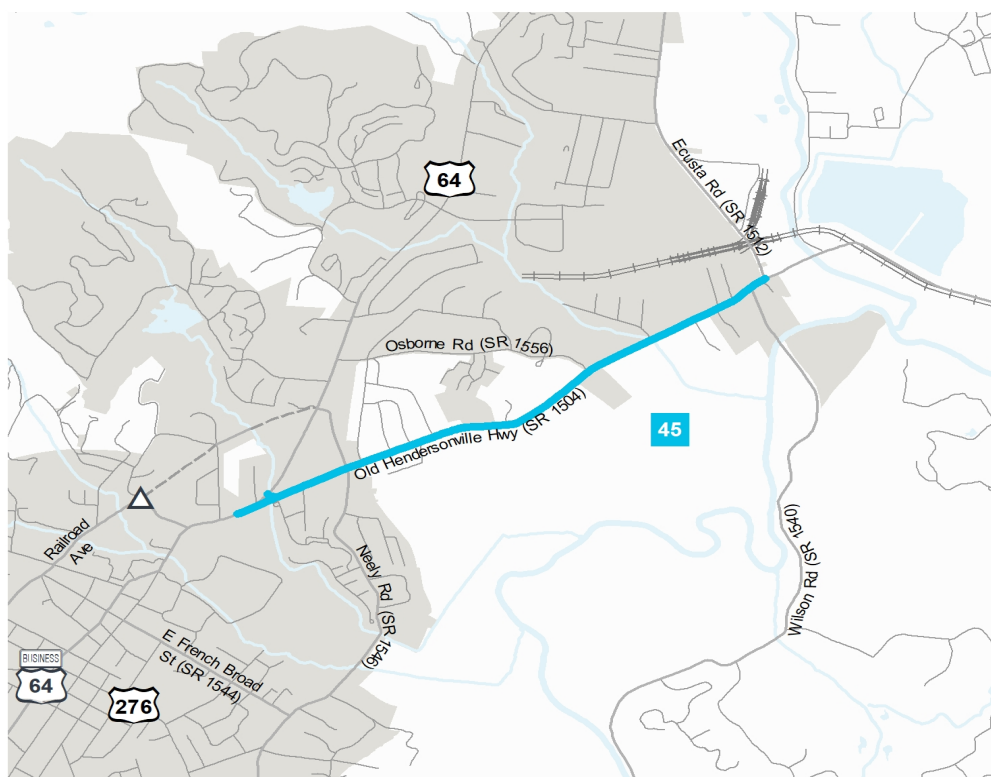
Improvement: Improve Existing

#### Identified Need

Old Henderson Highway (SR 1504) is projected to be over capacity in 2045. It has 9 foot lane widths and no paved shoulder. It serves development from downtown Brevard to the North-South facilities of Ecusta Road (SR 1512) and Wilson Road (SR 1540).

#### Recommendation

Improve alignment, lane widths, and shoulders to current design standards; add a multi-use path; and address potential 2045 capacity deficiency.



### Proposal At A Glance

Highway Class	Modernization
Facility Type	Minor Thoroughfare
Typical Section	02 N
Section Options	-
Length (miles)	1.75
Existing ROW (feet)	60
Safety Risk Score	88-99

### 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)	5800-11000	6700-14200	-
Capacity (vpd)	10200-13600	10200-13600	10200-13600

### Capacity Data: Year

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

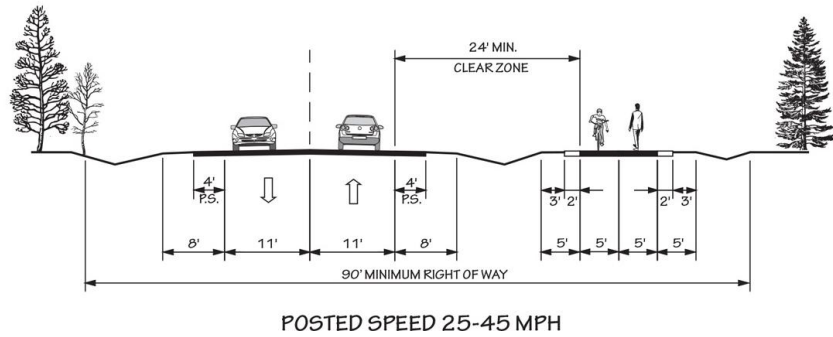


**Typical Section Options:**

None

# TYPICAL SECTION No. 2N

2 LANE UNDIVIDED WITH PAVED SHOULDERS AND SIDEPATH



## 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 fixed route serves this facility with a stops at Transylvania Vocational Services and Broad River Terrace Apartments.

The Transylvania County Bicycle Plan (2019) recommends a bike lane along this facility due to the higher traffic volumes and speeds. The City of Brevard Comprehensive Pedestrian Plan (2006/2018) also recommends a multi-use path along this facility. The CTP follows the multi-use path recommendation because of its greater overall connection to other multi-use paths.

### 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, Lamb Creek, Lambo Creek, and related wetlands. The project is in proximity of one place of worship.

This project is within 150 feet of:

- Hazard Substance Disposal Area
- Targeted Local Watershed(s)
- Wetlands
- 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:

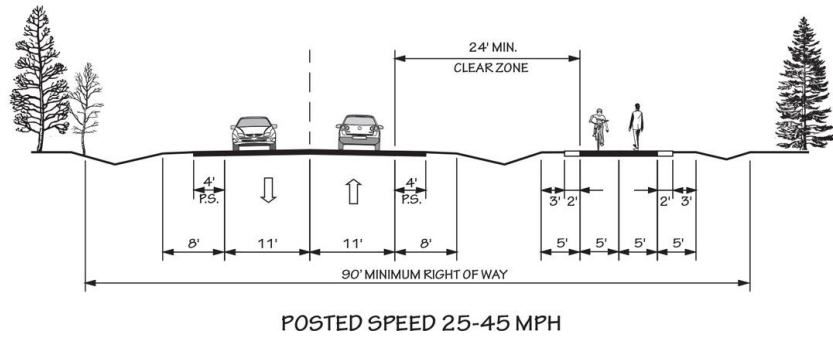
- Between 0% and 25% identify as African American
- Between 25% and 50% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 15% and 25% identify as Hispanic and Latino
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Asian and Pacific Islander
- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Indo-European

Typical Section Options:

None

# TYPICAL SECTION No. 2N

2 LANE UNDIVIDED WITH PAVED SHOULDERS AND SIDEPATH



- 0% identify as Over 18 w/ Limited English Proficiency (LEP) - Other
- Between 5% and 15% identify as Over 18 w/ Limited English Proficiency (LEP) - Spanish
- 0% identify as Native American
- Between 25% and 50% identify as Below Poverty Line
- Between 5% and 10% 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