

US 276

from Gallimore Road (SR 1118) to Wilson Road (SR 1504)

Local ID: TRAN0024-H

Purpose: Facility Deficiencies

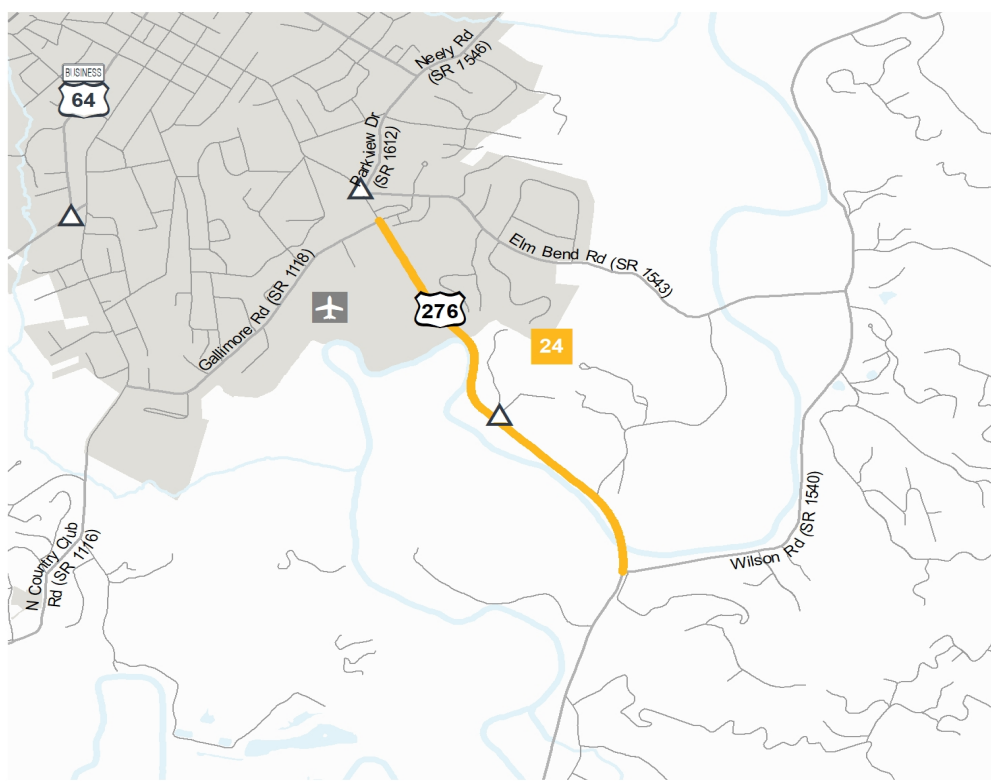
Improvement: Improve Existing

Identified Need

US 276 has no paved shoulder and lane widths of 11 feet. It is part of the Transylvania County Bicycle Plan (2019) and is a prime multiuse corridor from Brevard to Hap Simpson River Access Park. The road has experienced flooding events in the vicinity of Bert Lane Rd.

Recommendation

Improve alignment, lane widths, and shoulders to current design standards. Improve Resiliency to flooding. Include a multiuse path to connect the cultural resources along this corridor.



	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	Other
Facility Type	Major Thoroughfare 2-lane
Typical Section	02 N
Section Options	-
Length (miles)	1.21
Existing ROW (feet)	60-80
Safety Risk Score	99

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)	6200	8200-8300	-
Capacity (vpd)	14500	14500	14500

Capacity Data: Year

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

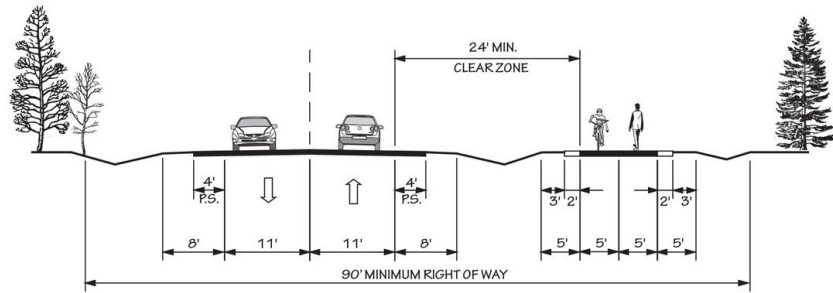


Typical Section Options:

None

TYPICAL SECTION No. 2N

2 LANE UNDIVIDED WITH PAVED SHOULDERS AND SIDEPATH



POSTED SPEED 25-45 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 other principal arterial on the Federal Functional Classification System. Transylvania County Bicycle Plan (2019) describes this stretch of US 276 as a "critical link between neighborhoods and schools in southeastern Brevard to Hap Simpson Park,... and eventually Cedar Mountain and DuPont State Forest. Bicycle improvements should include physical separation from automobile traffic as a multiuse path along the roadway or along a potential future sewer easement away from the roadway. One of the key challenges for this segment is the likely need for constructing a bike/ped bridge across the French Broad River."

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. Additional sidewalks are recommended from Gallimore Road (SR 1118) to the Brevard Elementary School.

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. It is also within the vicinity of wetlands. The project is in proximity of one place of worship, two cemeteries, the East Main Street Historic District, the Brevard Elementary School, and the Bethany Christian School.

This project is within 150 feet of:

- 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:

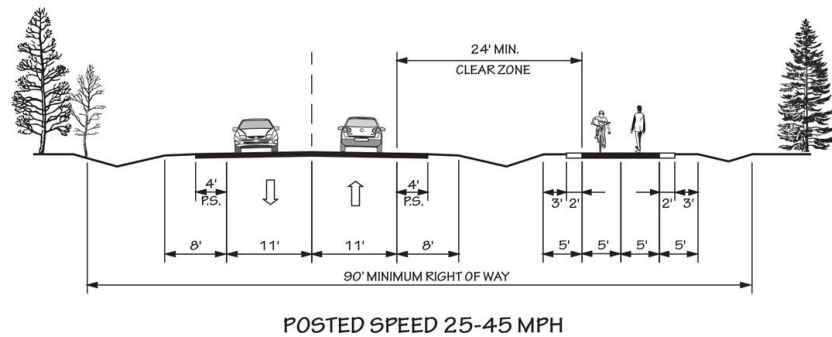
- Between 0% and 25% identify as African American
- Between 25% and 50% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 1% and 5% identify as Hispanic and Latino

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) - 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
- 0% identify as Native American
- Between 15% and 25% 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