

Upgrade and pave Fish Hatchery Road (FR-475) and Shoal Creek Road (SR 1327)

from US 276 to NC 215

Local ID: TRAN0048-H

Purpose: Facility Deficiencies

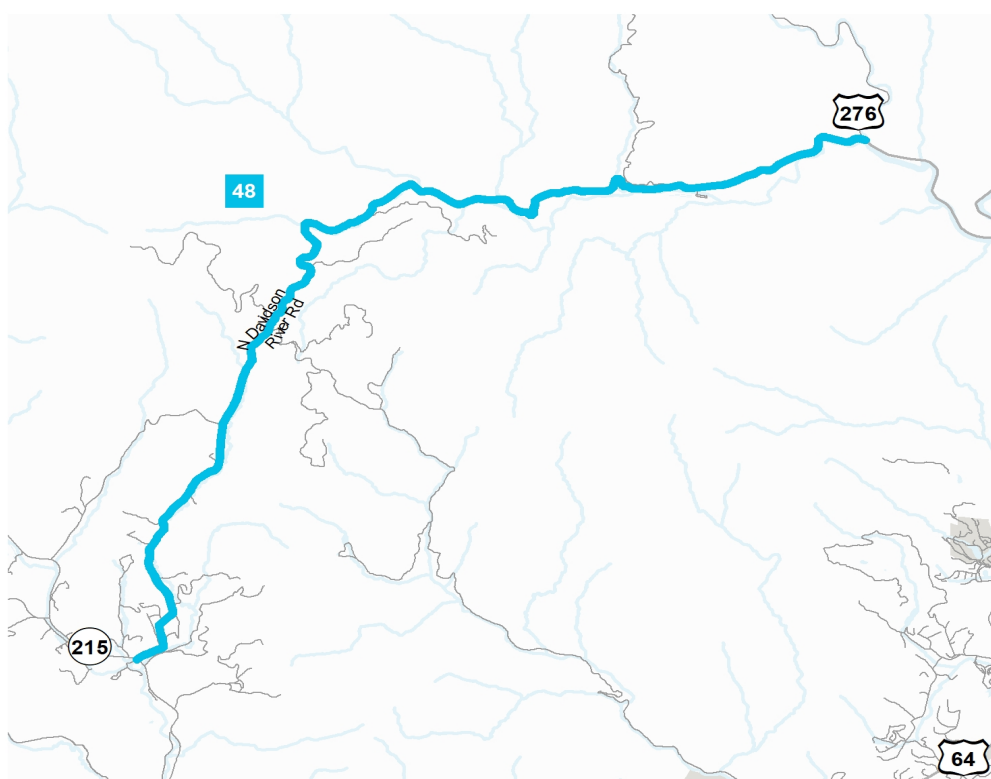
Improvement: Improve Existing

Identified Need

Fish Hatchery Road (FR-475) and Shoal Creek Rod (SR 1327) is unpaved, no paved shoulder, and lane widths of 9 feet.

Recommendation

Pave, 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	Minor Thoroughfare
Typical Section	02 C
Section Options	-
Length (miles)	9.33
Existing ROW (feet)	50
Safety Risk Score	-

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)	230-300	430-1100	-
Capacity (vpd)	10200-13600	10200-13600	10200-13600

Capacity Data: Year

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

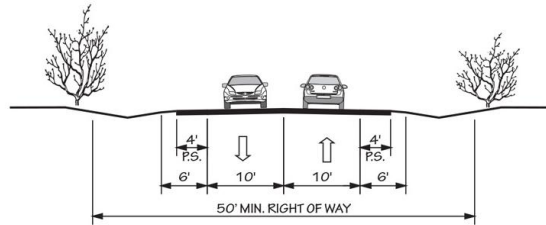


Typical Section Options:

None

TYPICAL SECTION No. 2C

2 LANE UNDIVIDED WITH PAVED SHOULDERS



POSTED SPEED 25-35 MPH

Project Overview**Linkage to Other Plans**

This facility is classified as a local road 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) did not include a recommendation for this facility, even though the east quarter is part of the Ride Transylvania County Bike Routes.

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 respectively.

Natural & Human Environmental Context

Based on planning level environmental assessment using available GIS data, the proposed project intersects the Pisgah National Forest & Gamelands, the Looking Glass Rock Scenic Area, the Davidson River, Shoal Creek, Cove Creek, Rockhouse Creek, Looking Glass Creek, and Laurel Fork. According to LHI Guild Analysis, this project intersects multiple guilds of the Mesic Hardwood, Mixed Forest, Sparsely Settled Mixed Habitats, Woodland, and Barrens variety. These are predominantly A-ranked resources with the balance being B-ranked. It is also within the vicinity of water bodies wetlands.

This project is within 150 feet of:

- 303 Streams
- High Quality or Outstanding Resource Water
- Wetlands
- Multiple Geology Types

Title VI

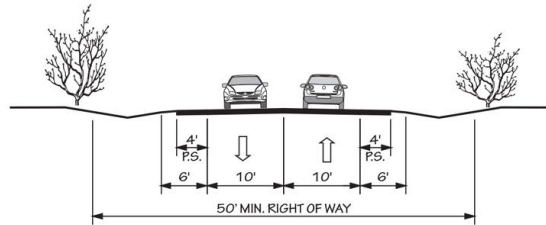
This recommendation passes through one or more Census Blocks with the following characteristics:

- Between 0% and 25% identify as African American
- Between 25% and 50% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 5% and 15% 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
- Between 5% and 15% 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

Typical Section Options:
None

TYPICAL SECTION No. 2C

2 LANE UNDIVIDED WITH PAVED SHOULDERS



POSTED SPEED 25-35 MPH

- Between 0% and 5% identify as Two of More Races
- Between 15% and 20% identify as Households with No Car