

NC 281

from US 64 to Cold Mountain Rd (SR 1301)

Local ID: TRAN0026-H

Purpose: Facility Deficiencies

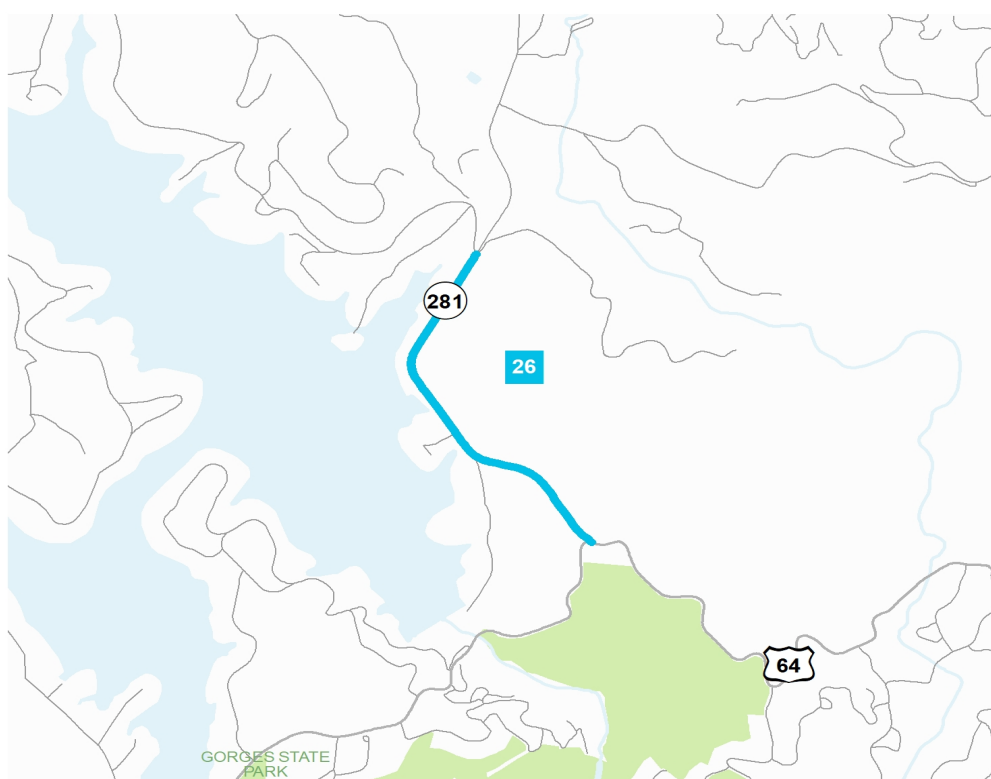
Improvement: Improve Existing

Identified Need

NC 281 has no paved shoulder and lane widths of 10 feet.

Recommendation

Improve alignment, lane widths, and shoulders to current design standards. In order to accommodate bicycles, bike lanes are recommended on this facility due to the high volume of recreation riders.



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 B
Section Options	-
Length (miles)	0.89
Existing ROW (feet)	100
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)	1700	3900	-
Capacity (vpd)	14600	14600	14600

Capacity Data: Year

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

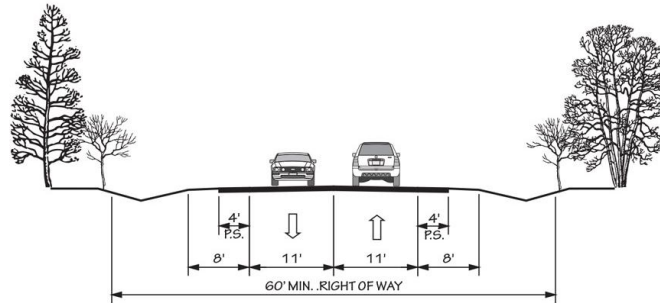


Typical Section Options:

None

TYPICAL SECTION No. 2B

2 LANES UNDIVIDED WITH PAVED SHOULDERS



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 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.

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 is within the vicinity of Lake Toxaway and Gorges State Park. 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. The project is in proximity of the Historic Lake Toxaway Methodist Church and the Toxaway River Gorge Natural Heritage Area.

This project is within 150 feet of:

- 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 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 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