

NC 280

from US 276 to Henderson County

Local ID: TRAN0013-H

Purpose: Safety

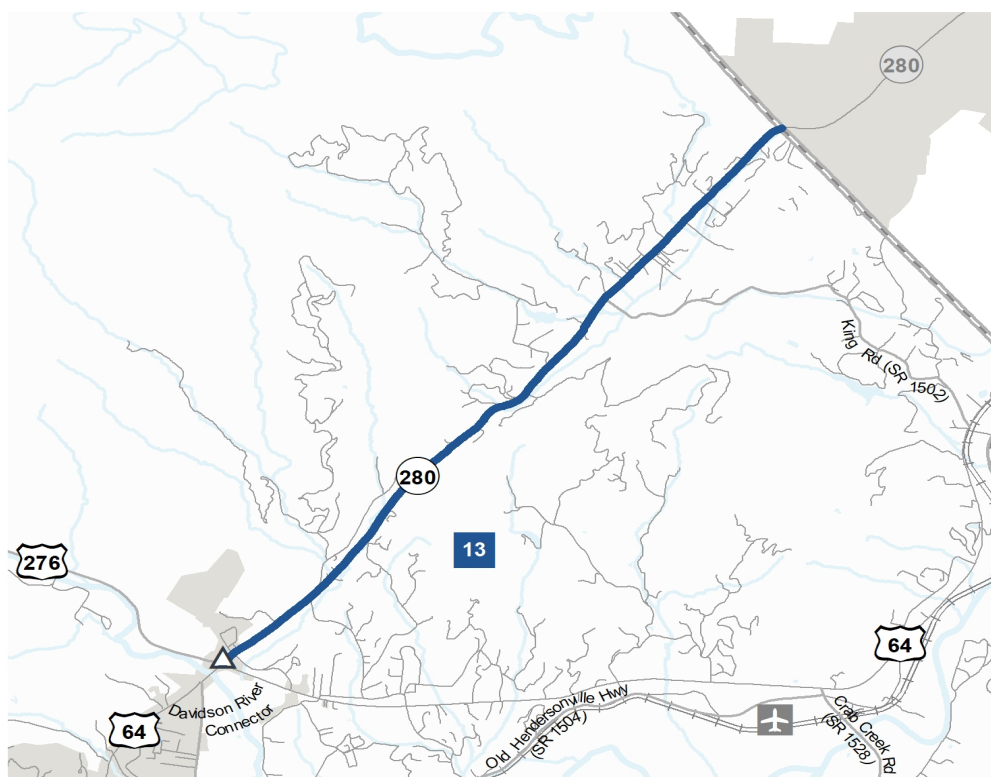
Improvement: Improve Existing

Identified Need

Existing NC 280 from US 276 to Brickyard Rd (SR 1323) in Henderson County is projected to be near capacity in 2045. A history of severe and fatal crashes, steep slopes, and truck traffic is present. US 64 serves as the primary arterial connecting Transylvania County to regional economic centers.

Recommendation

Redesign to a four-lane boulevard by replacing the center turn lane with a median, providing a multiuse path. Provide improved intersections, sight distance, and heavy vehicle accommodations.



	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	Access Management & Operation
Facility Type	Boulevard
Typical Section	04 K
Section Options	-
Length (miles)	5.08
Existing ROW (feet)	50-150
Safety Risk Score	99

Proposal Data:	2017 Base Year		2045 Future Year	
	Existing	Without Proposal	With Proposal	
Improved Route	Major Thoroughfare Multi-lane	-	Boulevard	
Facility Type	Major Thoroughfare Multi-lane	-	Boulevard	
Travel Lanes	4	4	4	
Volume (vpd)	14000-17000	20400-23400	-	
Capacity (vpd)	29300-41400	32000-41400	32000-41400	

Capacity Data: Year

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

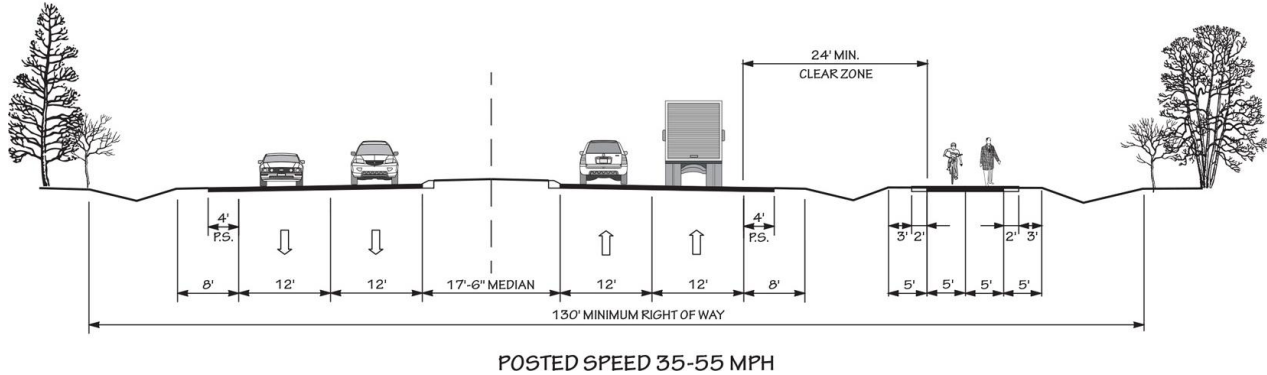


Typical Section Options:

None

TYPICAL SECTION No. 4K

4 LANE DIVIDED (17'-6" RAISED MEDIAN)
WITH PAVED SHOULDERS AND SIDEPATH



Linkage to Other Plans

According to the 2013 Blue Ridge Bike Plan, this facility is part of the "Priority Regional Corridor" from Brevard to the Mills River. It is classified partially as an other principal arterial and partially as minor arterial 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 CTP proposes a new transit route to utilize this facility to connect Brevard to Asheville. In order to accommodate bicyclist and pedestrians, a multi-use path is recommended on 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. 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.

Relationship to Land Use

According to the 2025 Transylvania Count Comprehensive Plan (2017), the area around this project is a Designated Growth Area where it is expected that future economic development of manufacturing,

commercial, and higher density residential housing will be constructed. They are constrained to areas with relatively flat land located out of the floodplain with access to major corridors and utilities. This designation along with appropriate policies will provide a framework for infrastructure expansion that will strengthen the confidence of public and private investors about the future of the land and their investment.

Natural & Human Environmental Context

Based on planning level environmental assessment using available GIS data, the proposed project is within the vicinity of wetlands. The project is in proximity of two places of worship and the historic William Deaver House.

This project is within 150 feet of:

- National Historical Register or Eligible Properties
- 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:

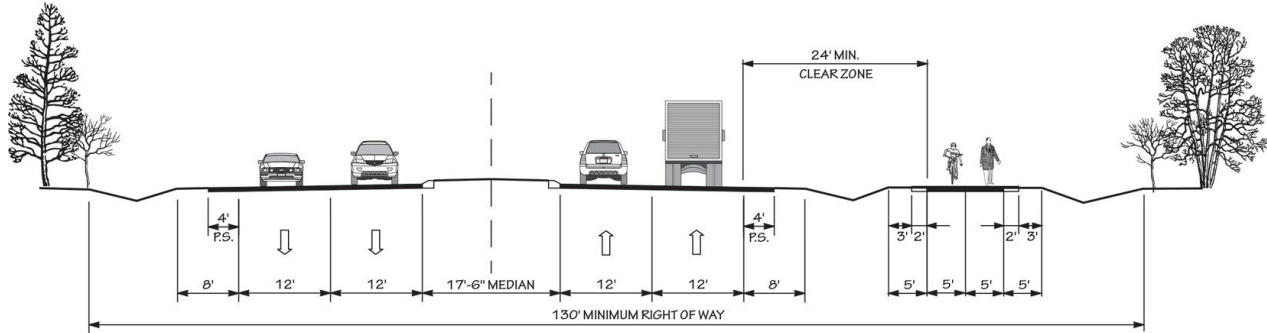
- Between 0% and 25% identify as African American
- Between 25% and 50% identify as 65+
- Between 0% and 5% identify as Asian
- Between 0% and 1% identify as Hawaiian or Pacific Islander
- Between 5% and 15% identify as Hispanic and Latino
- 0% identify as Over 18 w/ Limited English Proficiency (LEP)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

Typical Section Options:

None

TYPICAL SECTION No. 4K

4 LANE DIVIDED (17'-6" RAISED MEDIAN)
WITH PAVED SHOULDERS AND SIDEPATH



POSTED SPEED 35-55 MPH

- 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 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