

NC 80

From US 19E to Seven Mile Ridge Rd (SR 1167)

Local ID: YANC30005-HB

Purpose: Facility Deficiencies

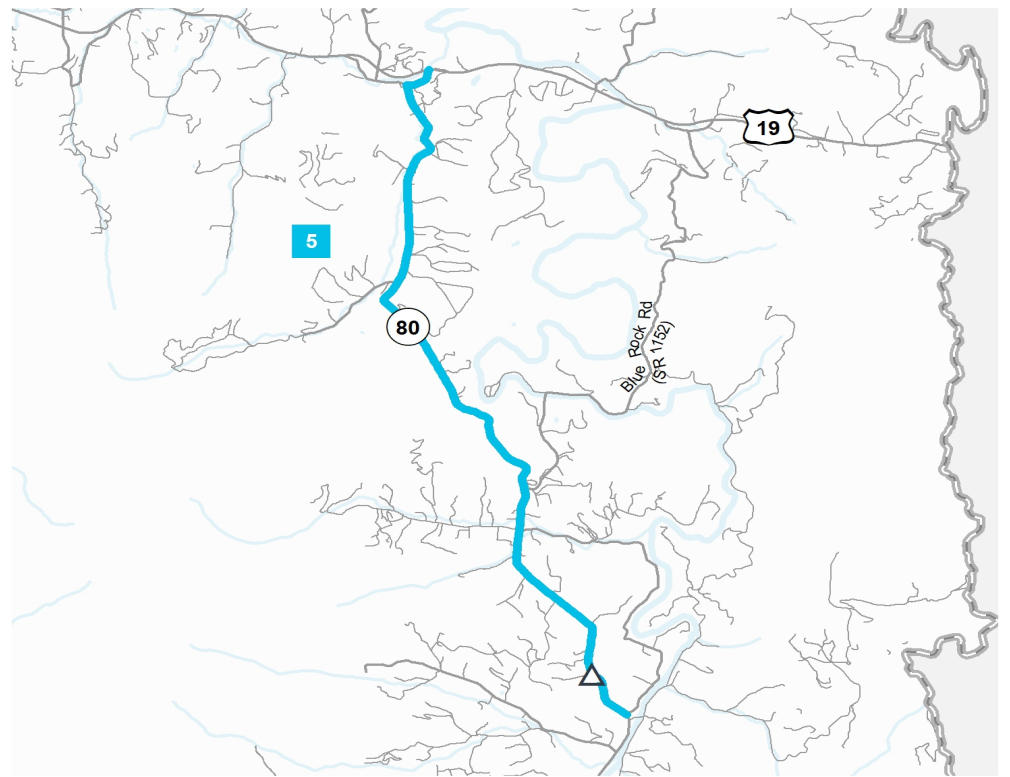
Improvement: Improve Existing

Identified Need

This functionally classified Major Collector has narrow 10-foot lanes with no paved shoulders. It links Yancey County to McDowell County and the Blue Ridge Parkway. Truck traffic is 3% of daily vehicle traffic. The majority of access to Mount Mitchell State Park lands is currently via NC 80.

Recommendation

Modernize to 12-ft lanes with 5-ft paved shoulders.



Local ID #	Improve	New Location	Local ID #	Improve	New Location
Congestion / Mobility	#	—	●	□	■
Access Management / Operations	#	—	●	○	●
Modernization	#	—	●	∟	▲
Other	#	—			
			●	○	●
			●	∟	▲

Proposal At A Glance

Highway Class	Modernization
Facility Type	Major Thoroughfare 2-lane
Typical Section	02 A
Section Options	-
Estimated Cost	-
Length (miles)	6.31
Existing ROW (feet)	60
Safety Risk Score	45-89

Proposal Data: 2018 Base Year 2045 Future Year

Improved Route	Existing	Without Proposal	With Proposal
<i>Facility Type</i>	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane	Major Thoroughfare 2-lane
<i>Travel Lanes</i>	2	2	2
<i>Volume (vpd)</i>	1800-3500	2000-3600	2000-3600
<i>Capacity (vpd)</i>	10400-13600	10400-13600	12100-14600

Capacity Data: Year

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

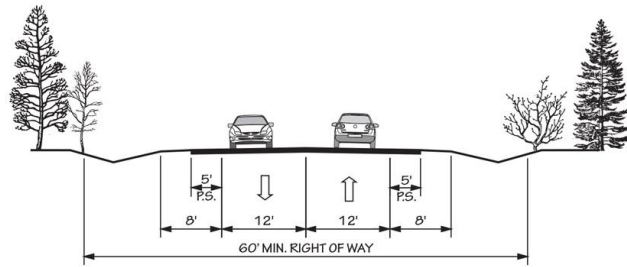


Typical Section Options:

None

TYPICAL SECTION No. 2A

2 LANE UNDIVIDED WITH PAVED SHOULDERS



POSTED SPEED 55 MPH

Project History/Linkage to Other Plans

The need to support cyclists was identified in the 2008 Yancey County CTP, and the 2014 High Country Bicycle Plan recommended 4-ft paved shoulders to accommodate cyclists.

CTP Goal Analysis

The Vision Statement for this CTP is Yancey County has a safe and accessible multi-modal transportation system that connects its residents and visitors to key destinations within the county and regionally where an emphasis is placed on alternative modes. This project works toward a safer multi-modal transportation system that connects residents and visitors to key destinations e.g. Mount Mitchell State Park, Blue Ridge Parkway, Yancey County Toe River Campground, South Toe Volunteer Fire Department, Mount Mitchell trailheads, Mt Mitchell Golf Club, South Toe Fire Department, Micaville Elementary School, South Toe Elementary School, and Marion.

Potential Impacts

Based on planning level environmental assessment using available GIS data, the project has the potential to impact Ayles Creek, Low Elevation Montane and General Montane Dry-Mesic Hardwood and Mixed Forest and Wet-Mesic Hardwood and Mixed Forest, Celo Community Registered Heritage area, and Celo Community natural area.

25.1-50% of population along NC 80 is at poverty level.
25.1-50% of population along NC 197 is age 65 and over.

Other Information

Part of Mount Mitchell Scenic Byway. Key destinations accessed from this facility include Mount Mitchell State Park, Blue Ridge Parkway, South Toe Volunteer Fire Department, Mt Mitchell Golf Club, South Toe Fire Department, and Marion. There are several campgrounds and RV parks along this facility which leads

to a significant number of campers, RVs, and trailers on it.

Multi-Modal Considerations

Paved shoulders to accommodate cyclists. A multi-use path paralleling NC 80 to Hickory Springs Road is also recommended.

CTP Public Survey Comments Received

Public comments from CTP survey about NC 80: Around 30 comments received about the need to accommodate cyclists on NC 80 S were received.

- NC 80S is heavily trafficked road that are narrow and have dangerous shoulders. Wider and better shoulders are needed.
- If Hwy 80 South is widened down to Hamrick and bike lane or bike path is installed, public health and safety in the South Toe Valley will be dramatically affected.
- Dangerous intersection of South Toe Elementary Rd and Hwy 80.
- Better shoulders, straighten, add left turn lanes.
- Make NC 80 more pedestrian friendly as well. Add a path beside the road.
- A greenway connecting Micaville to the Blue Ridge Parkway is needed.
- Need regularly scheduled public transportation to the South Toe region.