

Project Overview | CU-23-08

Route 654 (Barracks Road) from Georgetown Road to US 29 Business (Emmet Street)



Project Fact Sheet	
VDOT District	Culpeper
Locality	City of Charlottesville/ Albemarle County
Corridor Length	0.79 miles
Nearby Bikeways	Some SUP on Emmet St and Barracks Rd (east of Emmet St) with more programmed
Functional Classification	Minor Arterial
Speed Limit	35 mph

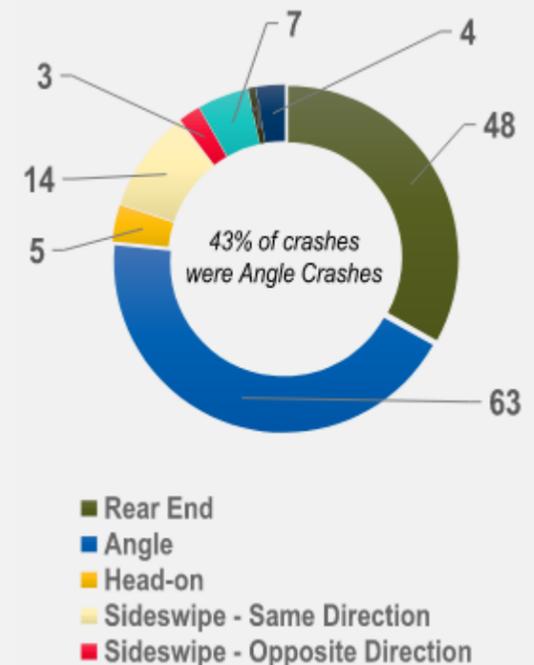
Project Purpose, Goals, & Objectives

Analyze the operational and safety issues identified along Barracks Road on providing enhanced safety and transportation demand management.

Identify cost-effective preferred improvement alternatives that address the deficient conditions and prioritize safety and accessibility.

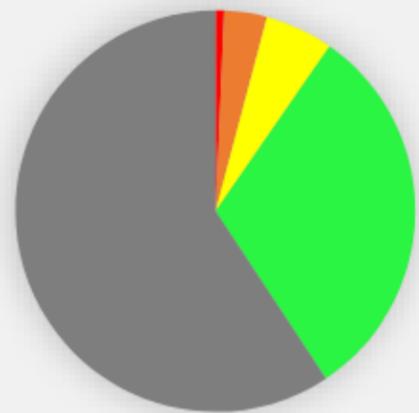
Issues in the Study Area

- 145 crashes (2018-2022) within 150 feet of an intersection. 36, 19 and 30 crashes associated with US 29 SB, NB ramps and Emmet St intersections, respectively.
- No bike lanes along Barracks Rd, only on Millmont St.
- There are bus stops along Barracks Rd at Surrey Rd, N Bennington Rd and Cedars Ct; there is also a bus stop on Georgetown Rd near Barracks Rd
- Congestion is one of the public concern in the study area. Queueing was observed at Georgetown Rd, US 29 Ramps, Millmont St and Emmet St N.
- Sidewalks are only continuous on the north side of Barracks Rd. Most curb ramps are not ADA compliant. Ped signals – with push buttons and countdown heads at Emmet St, Millmont St, and Georgetown Rd. No ped signal head on the west leg at Millmont St.

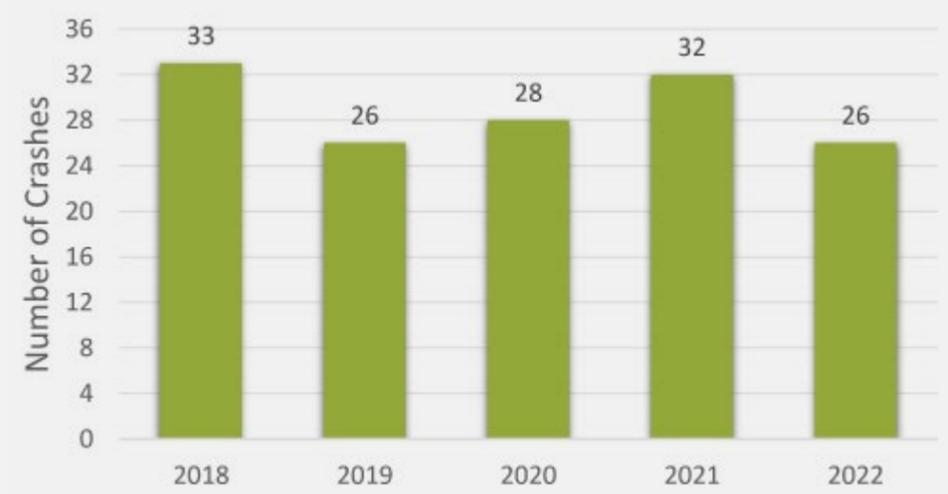
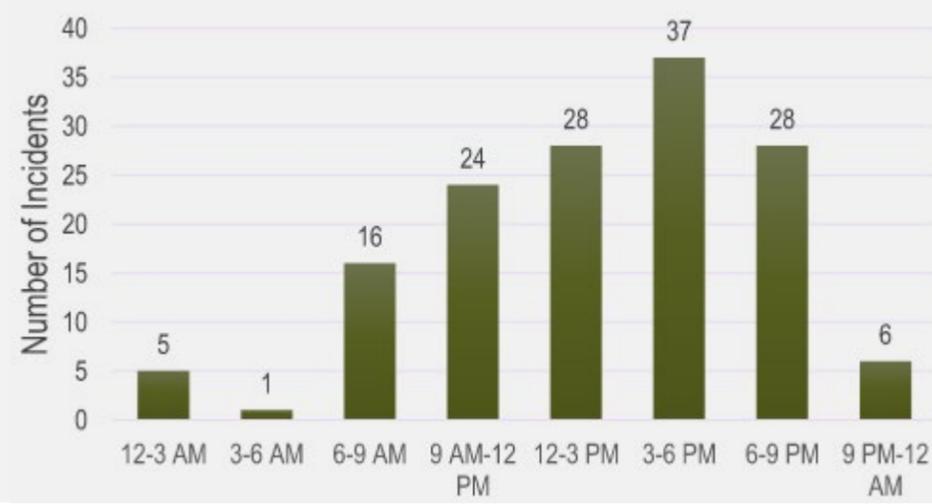


Safety Needs

Needs Identification Summary



- 59% Property Damage Only
- 31% Nonvisible Injury
- 6% Visible Injury
- 3% Severe Injury
- 1% Fatality



Bicycle and Pedestrian Safety and Accessibility Needs

Bicycle and Pedestrian Safety and Accessibility Needs Identification Summary



Bicycle and Pedestrian Safety & Accessibility Summary

- VTrans identifies this corridor as VERY HIGH NEED for Bicycle Access and HIGH NEED for Pedestrian Access
- No pedestrian crashes
- Sidewalks
 - Continuous Sidewalk on the north side throughout and south side east of Cedars Street (City Segment).
 - Crosswalks – markings are present and there are curb ramps at Georgetown Rd, Millmont St, and Emmet St
 - Ped signals – with push buttons and countdown heads are present at the crosswalks listed above, except west leg at Millmont St
- Bikes
 - No existing bike facilities on corridor – existing bike lanes present along Millmont St

Bicycle and Pedestrian Improvements

- Add ped/heads, buttons and crosswalks
 - US 29 SB on/off-ramp north and south leg
 - US 29 NB on/off-Ramp north and south leg
 - Only signal ped/heads west leg at Millmont St
- Fill in sidewalk gaps on the south side of Barracks Rd
- Consider a SUP instead of on-road bicycle facilities
- Consider upgrading substandard existing sidewalk and crosswalk facilities
- Charlottesville Bicycle & Pedestrian Mobility Plan calls for on-road bike lanes along Barracks Rd
- Thomas Jefferson PDC bike & Pedestrian Plan – Urban Bike Lane Corridor.
- Future Land Use Plan - Urban Mixed-Use Node

Legend

- Bicycle Access Need
- Pedestrian Access Need
- Activity Center
- Pedestrian Safety Need
- Proposed Bike Lane, SUP, or sidewalk

VTrans Needs

VTrans Needs Summary



 145 crashes (2018-2022) within 150 feet of an intersection. 36, 19 and 30 crashes associated with US 29 SB, NB ramps and Emmet St intersections, respectively.
Access management concerns between Georgetown Rd and Millmont St

 There are bus stops along Barracks Rd at Surrey Rd, N Bennington Rd and Cedars Ct.

 Sidewalks are continuous on the north side only. Most curb ramps are not ADA compliant Ped signals are present at Georgetown Rd, Millmont St, and Emmet St - with push buttons and countdown heads. No ped signal heads on the west leg at Millmont St.

 No bicycle facilities along Barracks Rd, only on Millmont St

 Congestion is one of the public concern in the study area. Queueing was observed at Georgetown Rd, 29 Ramps, Millmont St and Emmet St N.