

Project Description

This corridor study is assessing operational and safety improvements for segments of the Route 221 (Forest Road) corridor in Bedford County, Virginia. Route 221 serves as an east-west major arterial roadway connecting the residential areas to commercial areas and employment centers. This corridor has been identified to have safety and operational issues during peak periods. The study will also address bicycle, pedestrian, and transit needs along the corridor. The study is focused on three areas within the Route 221 corridor:

- **Perrowville Road to Thomas Jefferson Road (Route 811)**
- **Ambassador Road to Cloverhill Boulevard**
- **Enterprise Drive to Graves Mill Road**

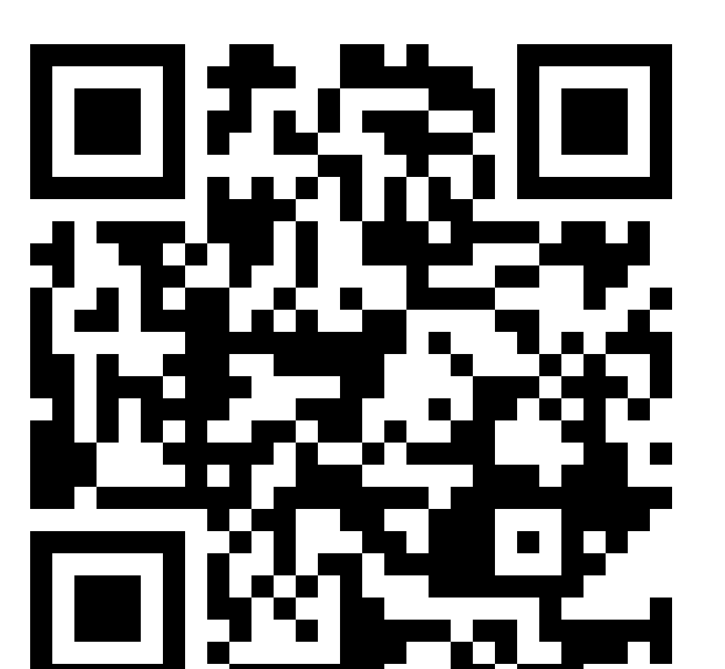
Purpose

The goal of this study is to develop a series of recommendations to address traffic congestion, safety, and multimodal access throughout the corridor.

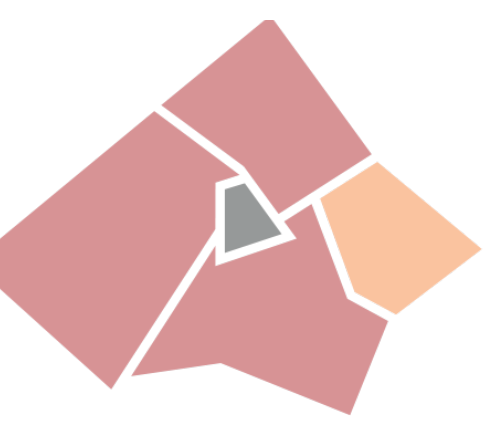
Study Area



Forest Rd intersection with Enterprise Dr

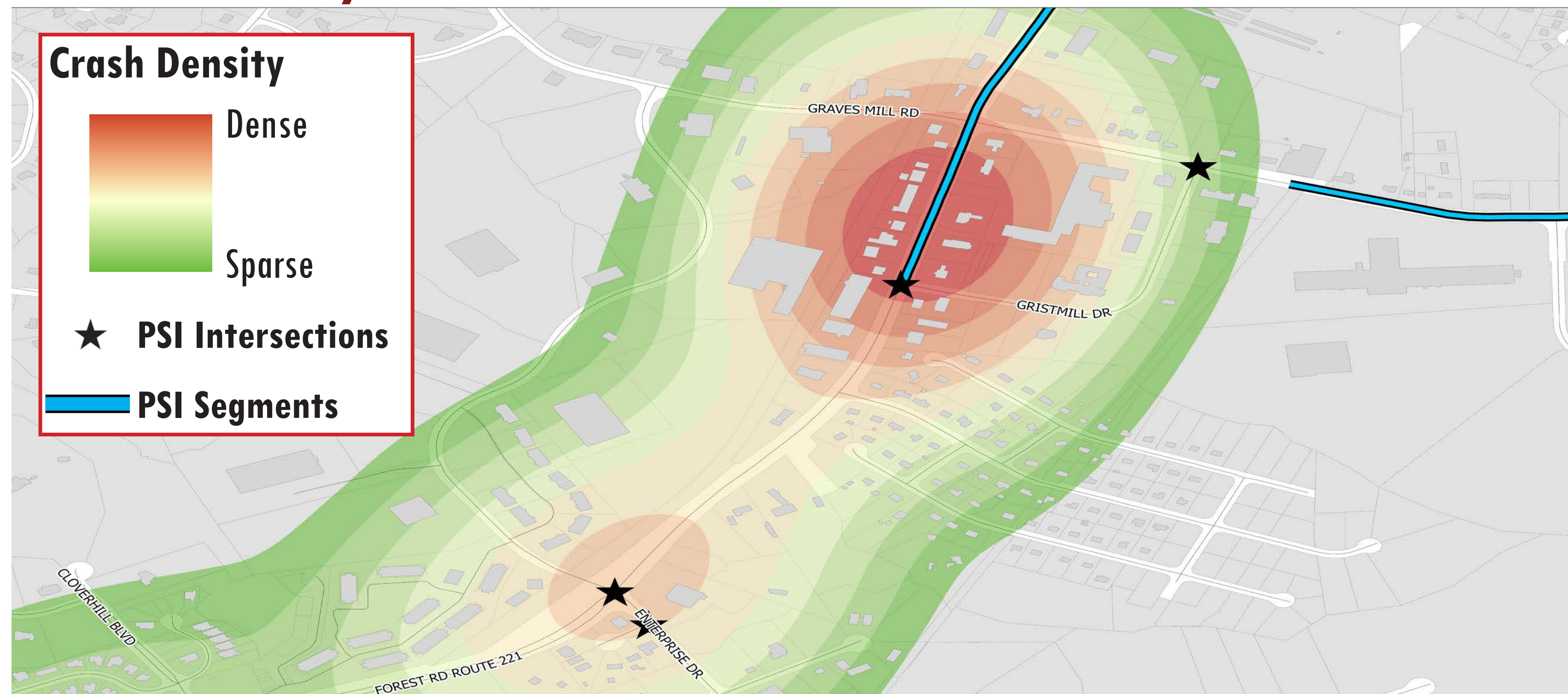


Safety



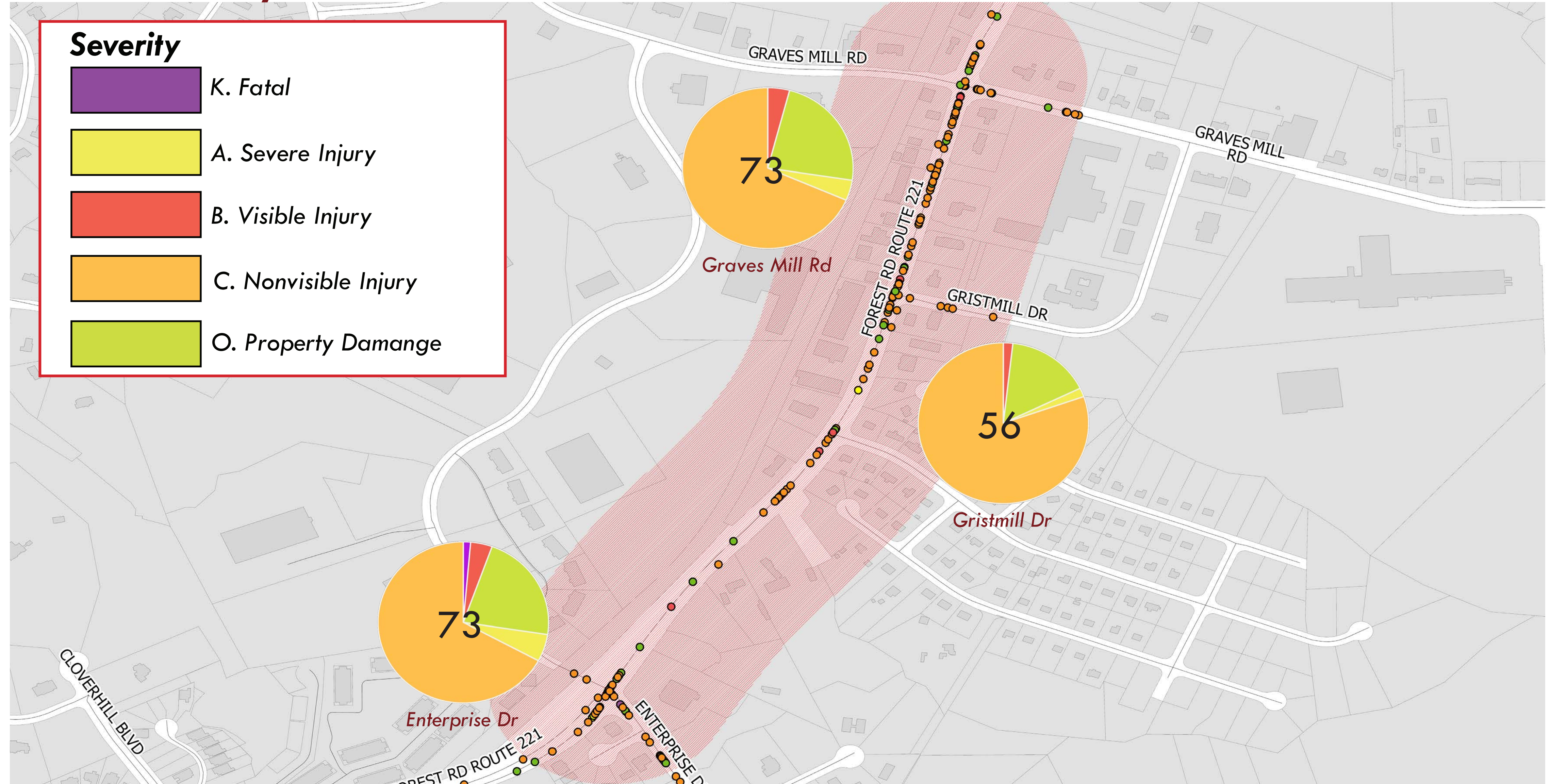
The maps below show the crash history (2018-2023) for Route 221 from Enterprise Drive to Graves Mill Road. The pie charts provide additional detail about the study intersection crashes.

Crash Density



The intersections of Enterprise Drive and Gristmill Drive with Route 221, along with the segment of Route 221 between Gristmill Drive and Graves Mill Road are identified by VDOT as Potential for Safety Improvement (PSI) locations. PSI locations are those that experience a higher occurrence of crashes than expected.

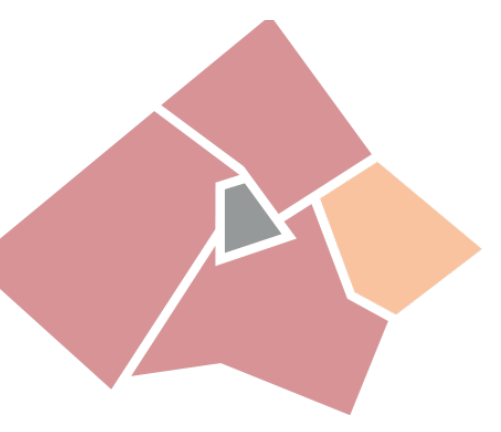
Crash Severity



Crash Type

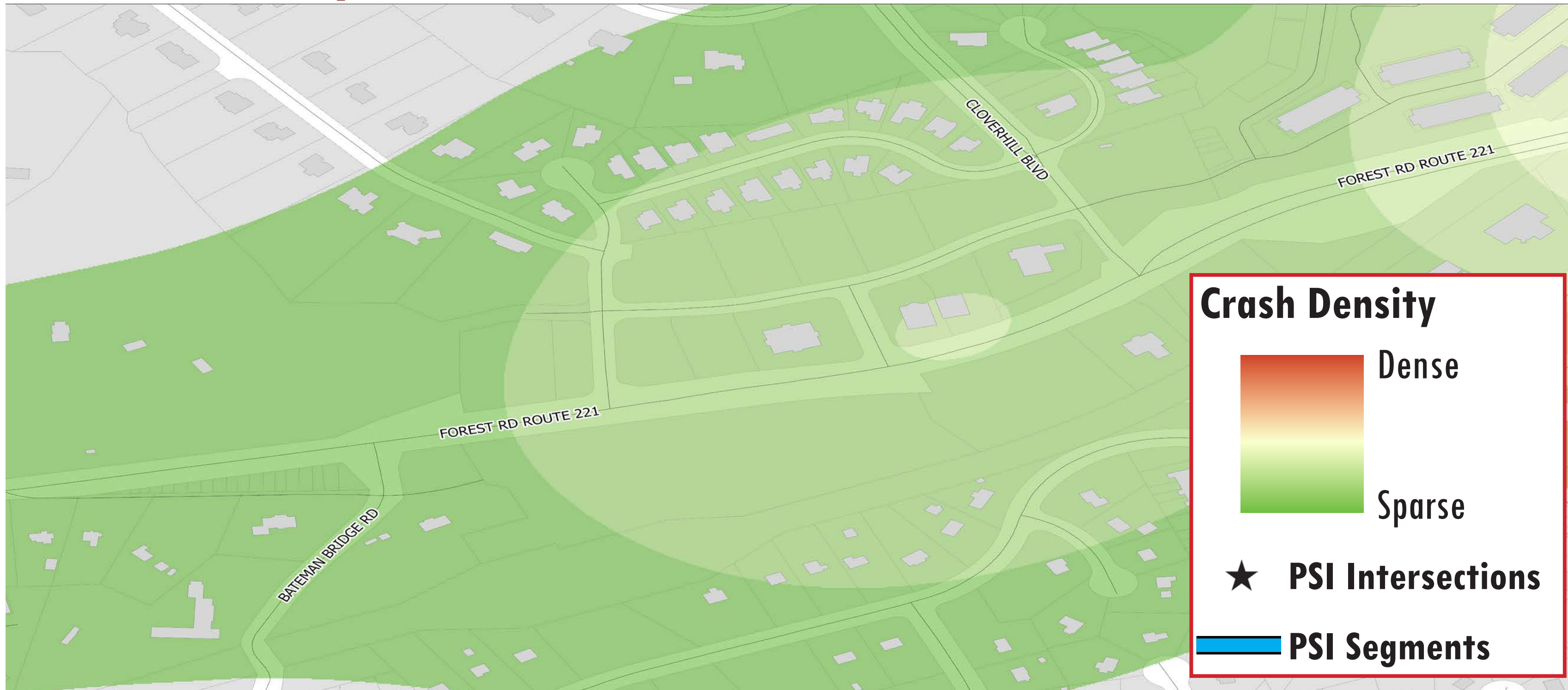


Safety



The maps below show the crash history (2018-2023) for Route 221 from Bateman Bridge Road to Cloverhill Boulevard. The pie charts provide additional detail about the study intersection crashes.

Crash Density

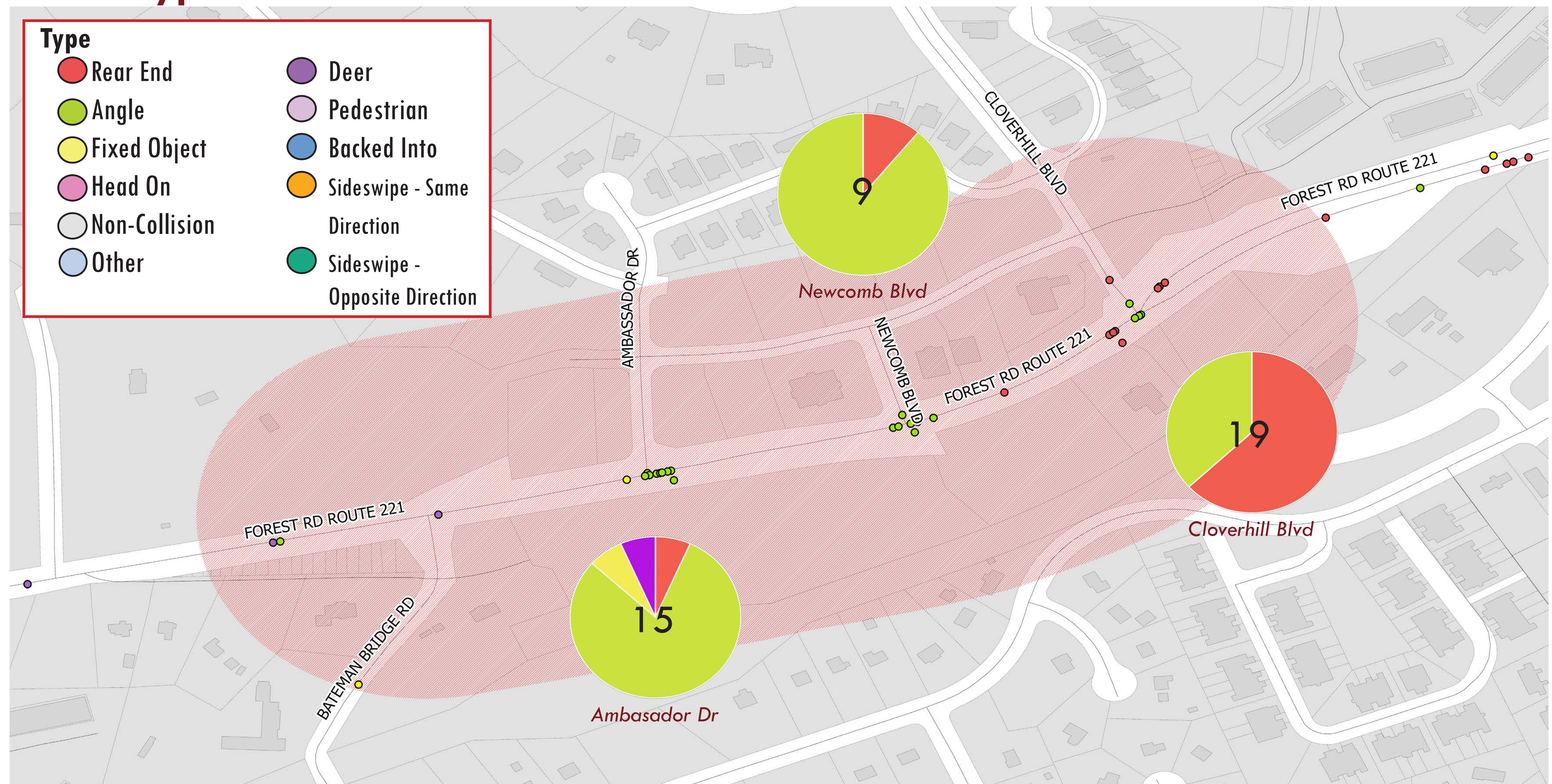


No intersections or segments are identified by VDOT as Potential for Safety Improvement (PSI) locations. PSI locations are those that experience a higher occurrence of crashes than expected.

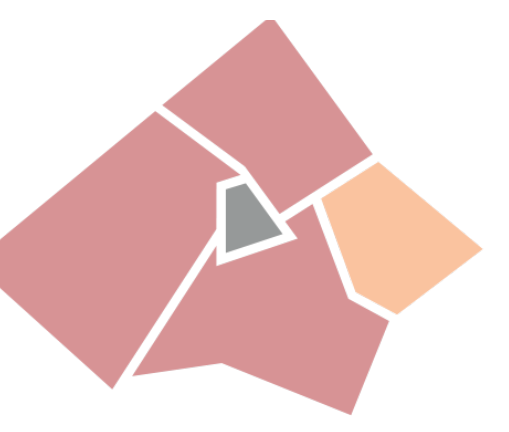
Crash Severity



Crash Type



Safety



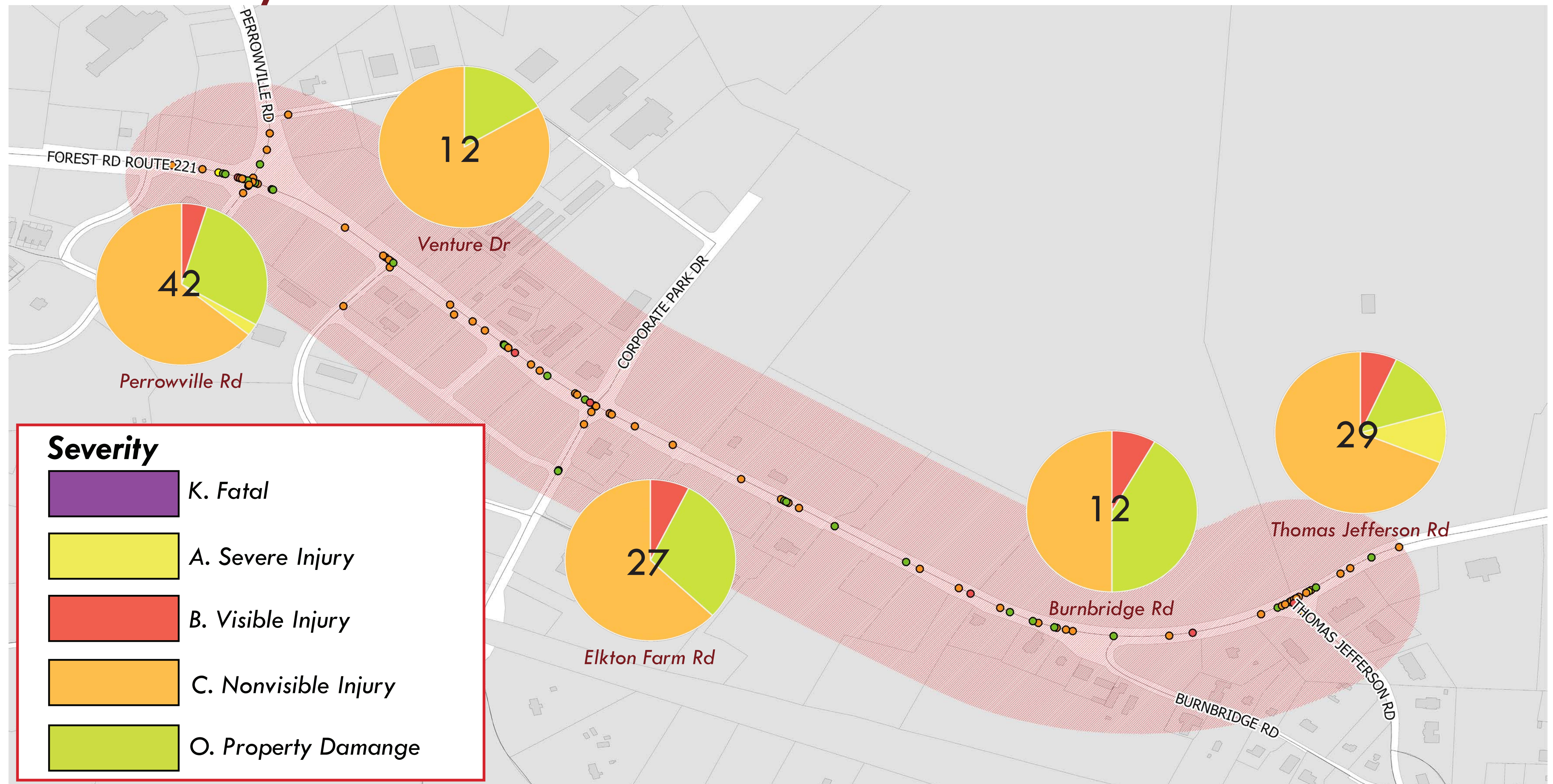
The maps below show the crash history (2018-2023) for Route 221 from Perrowville Road to Thomas Jefferson Road. The pie charts provide additional detail about the study intersection crashes.

Crash Density

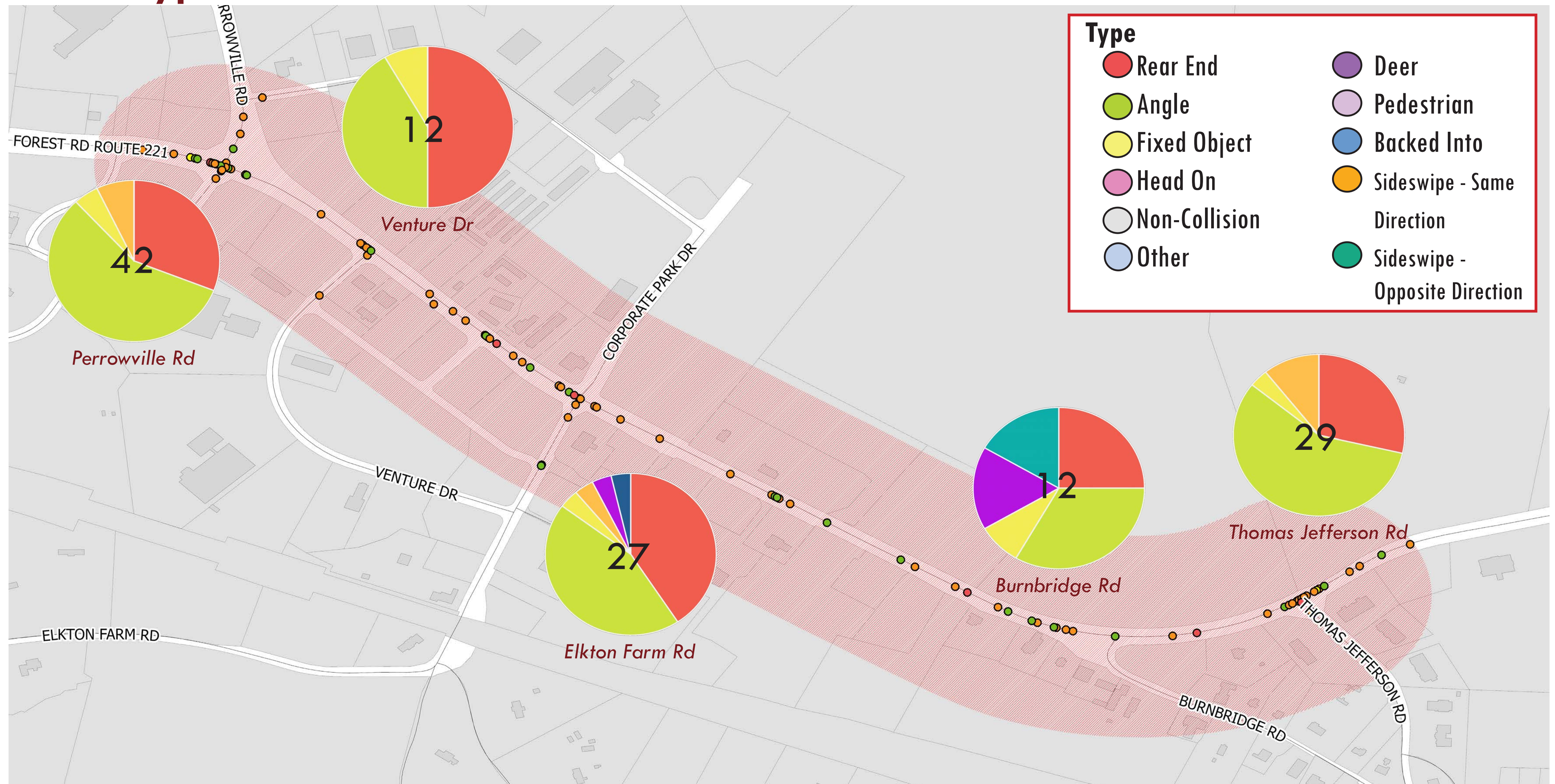


The intersection of Perrowville Road with Route 221 and the segment of Route 221 between Venture Drive and Corporate Park Drive are identified by VDOT as Potential for Safety Improvement (PSI) locations. PSI locations are those that experience a higher occurrence of crashes than expected.

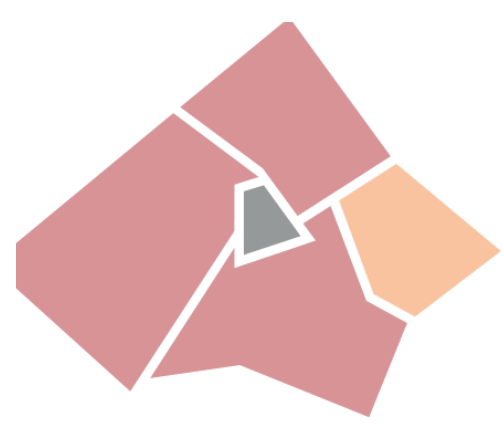
Crash Severity



Crash Type



Volumes



The maps below show the 2022 Average Daily Traffic Volumes along Route 221 and the intersecting streets. 2022 daily traffic volumes along Forest Road vary from 24,500 to 27,000 vehicles per day. Perrowville Road, Thomas Jefferson Road, Enterprise Drive, and Graves Mill Road carry the greatest amount of traffic on the side streets.

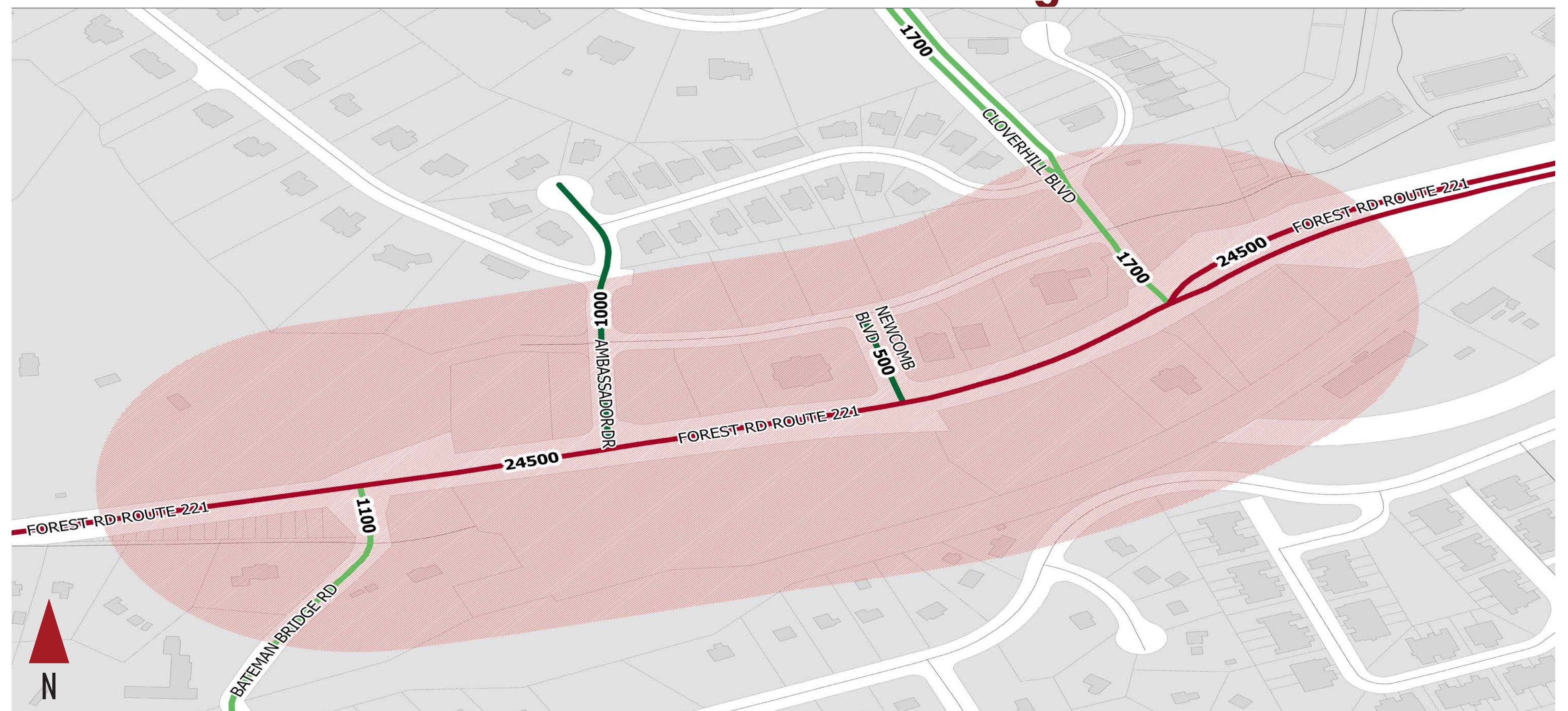
Perrowville Rd to Thomas Jefferson Rd



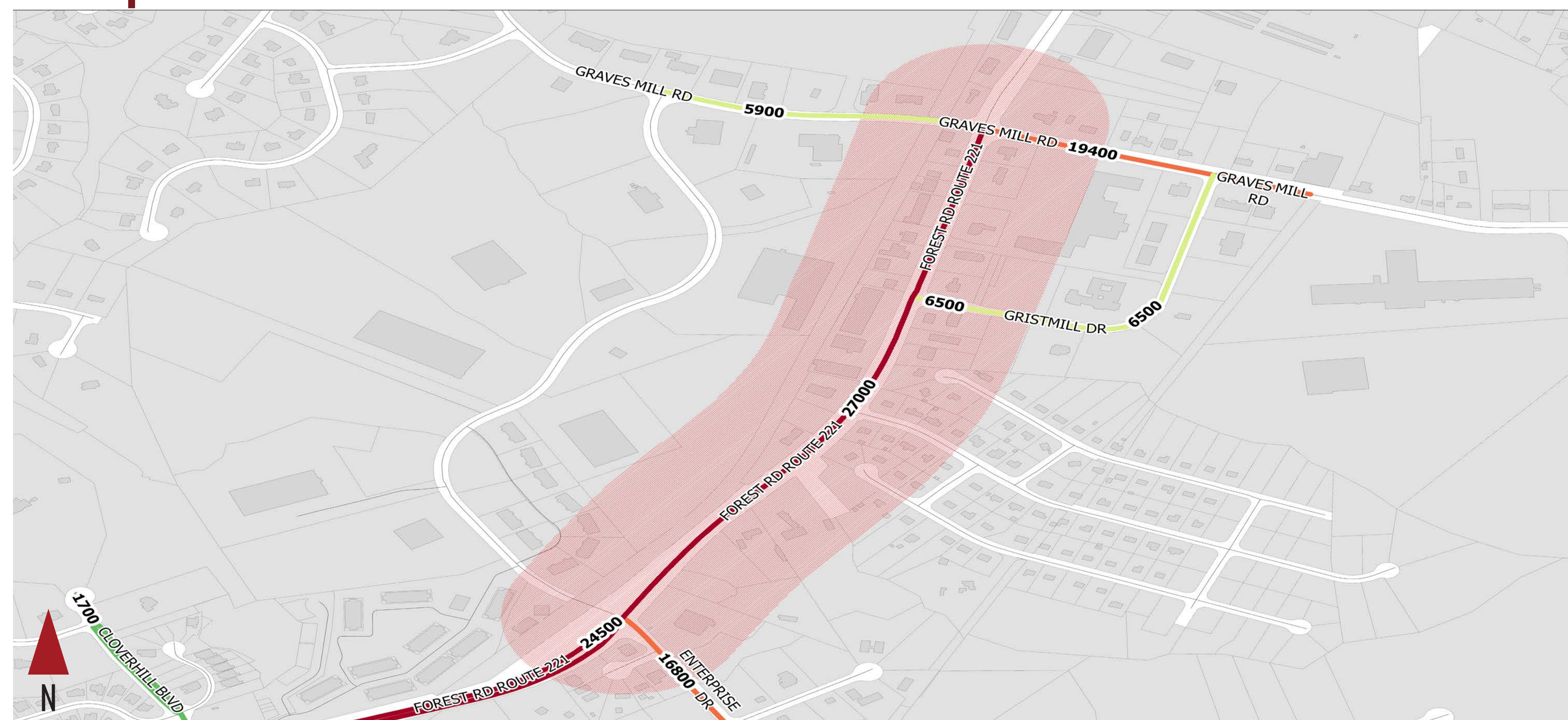
Beginning at Perrowville Road, Forest Road averaged 27,000 vehicles per day. This number reduced at the intersection with Elkton Farm Road to 24,500 vehicles per day.

Bateman Bridge Rd to Cloverhill Blvd

Forest Road continued to average 24,500 vehicles per day along this segment. The side streets in this area carried less traffic than others in the study area, less than 2,000 vehicles per day.



Enterprise Dr to Graves Mill Rd



Daily traffic volumes on Forest Road increased east of Enterprise Drive to 27,000 vehicles per day. Graves Mill Road and Enterprise Drive carried the greatest amount of side street traffic of all side streets in the study area.

2022 Average Daily Traffic Volumes

	<= 1,000		10,000 - 15,000
	1,000 - 5,000		15,000 - 20,000
	5,000 - 10,000		>= 20,000