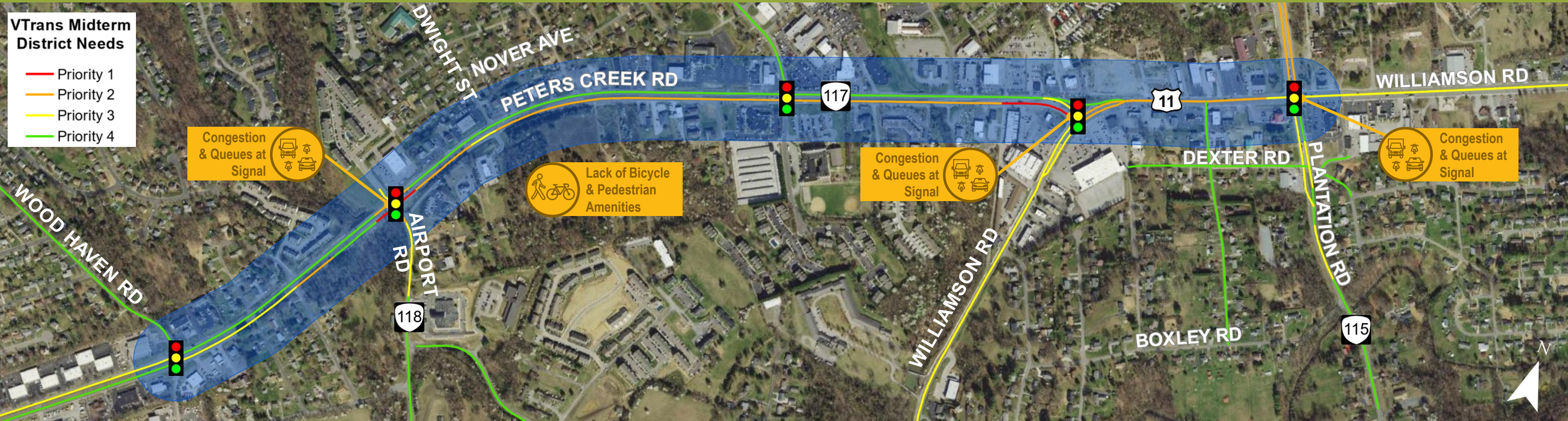


PHASE I - DIAGNOSIS AND PROBLEM IDENTIFICATION

STUDY OVERVIEW



Purpose, Goals, & Objectives

The purpose of this study is to identify recommendations with a focus on safety, reliability, multi-modal accessibility/connectivity, and TDM along the Route 117 (Peters Creek Road) and Route 11 (Williamson Road) corridors.

Identify cost-effective improvement alternatives that address the identified transportation needs.

Existing Issues in the Study Area

- Congestion and safety needs at the Airport Road, Williamson Road/Peters Creek Road, and Plantation Road intersections
- Lack of sidewalks and pedestrian/bicycle amenities throughout the corridor
- Capacity preservation needs along Williamson Road

Study Summary

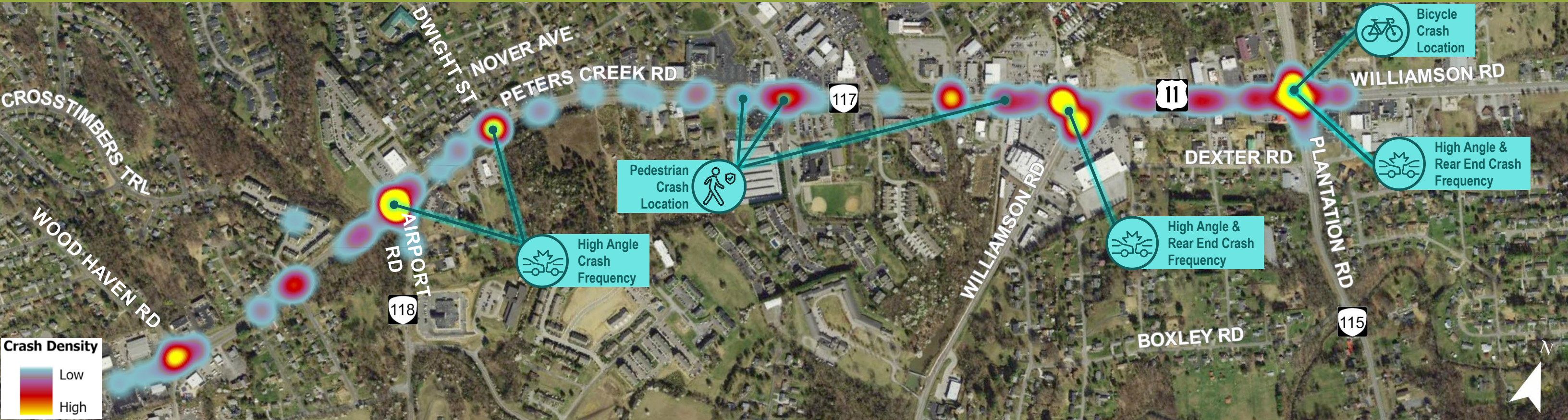
VDOT District	Salem
Locality	Roanoke County
Length	1.64 miles
Study Limits	From Route 628 (Wood Haven Road) to Route 115 (Plantation Road)
Functional Classification	Peters Creek Road - Urban minor arterial Williamson Road - Principal arterial / Corridor of Statewide Significance
Speed Limit	Peters Creek Road – 45 MPH Williamson Road – 35 MPH

VTrans Needs

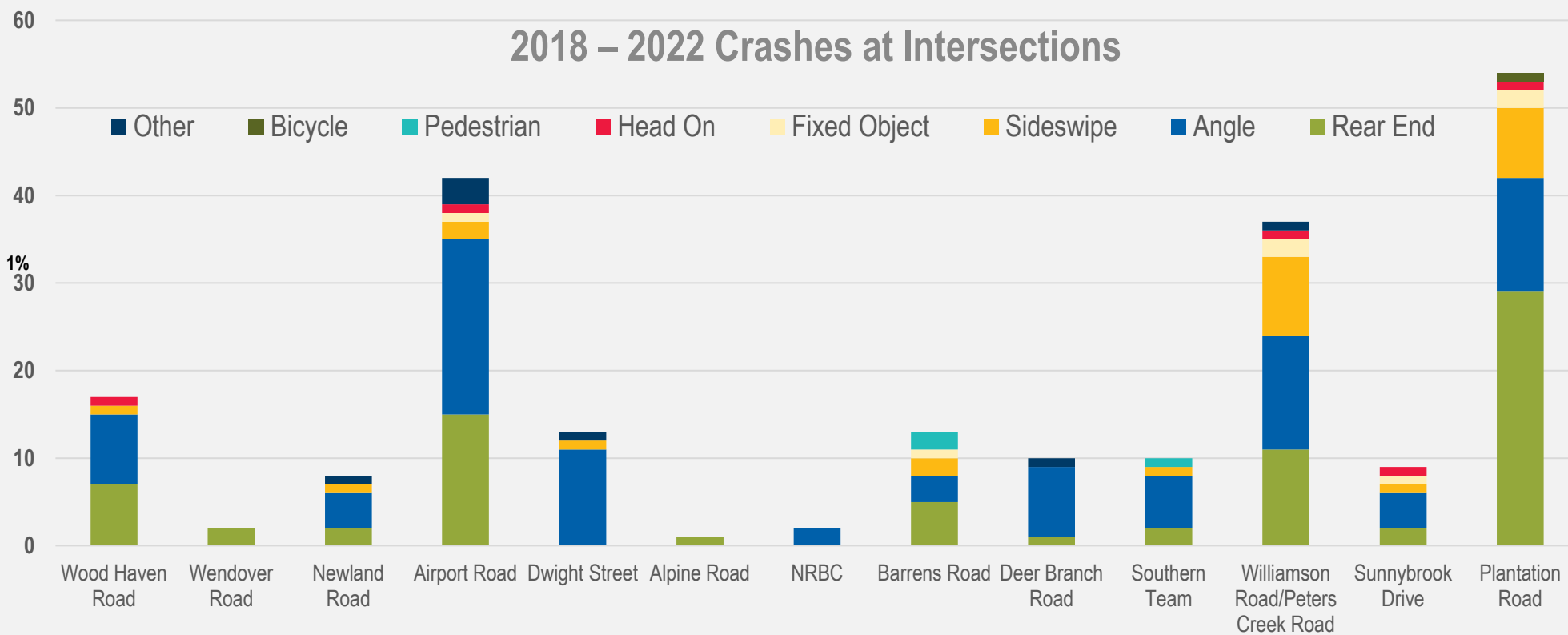
NEED	PRIORITY
Bicycle Access	Very High
Reliability	Very High
Transportation Demand Management	Very High
Capacity Preservation	High
Pedestrian Access	High
Safety Improvement	High
Transit Access for Equity Emphasis Areas	High
Transit Access	Medium

PHASE I - DIAGNOSIS AND PROBLEM IDENTIFICATION

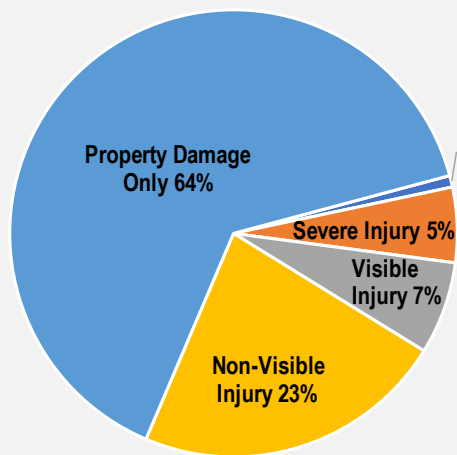
TRAFFIC SAFETY NEEDS



2018 – 2022 Crashes at Intersections



Crashes by Severity



Safety Issues in the Study Area

- 3 pedestrian crashes and 1 bicycle crash
- 39% angle crashes; 36% rear end crashes
- 34% of crashes occurred between 3 PM and 6 PM
- High frequency of angle and rear end crashes at signalized intersections of Wood Haven Road, Airport Road, Williamson Road/Peters Creek Road and Plantation Road