

Welcome

CVTPO

INTERSECTION SAFETY
STUDY

STEERING WORK GROUP

OCTOBER 31, 2023



Agenda

Introductions

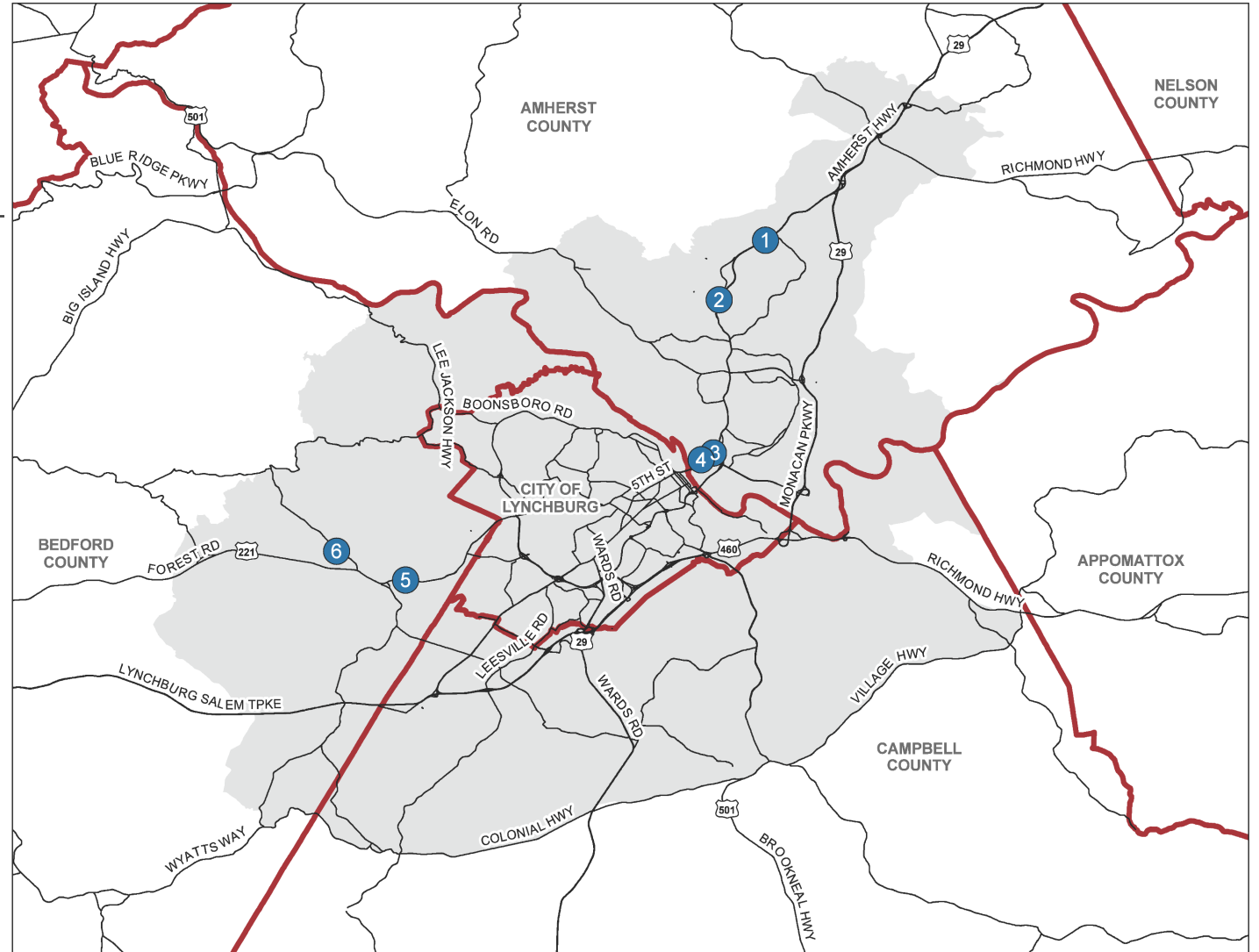
Project Scope and Purpose

Study Intersections

Data and Analysis to Date

Information Needed

Next Steps/Schedule





Project Scope and Purpose

VDOT funded project, administered by the CVTPO

Intersections identified by localities

Safety improvements and traffic conditions (2023 and 2045) to be evaluated

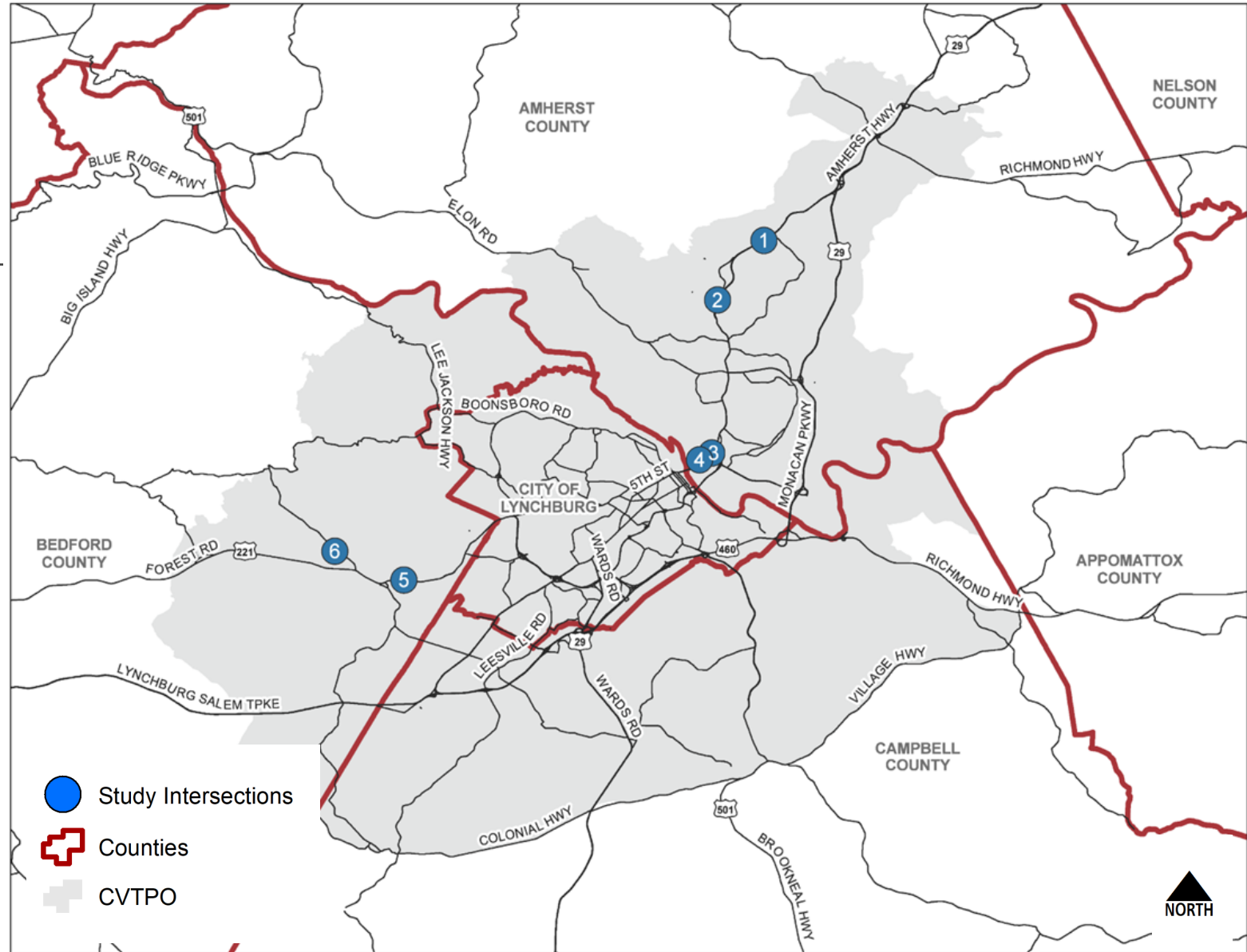
Study Intersections

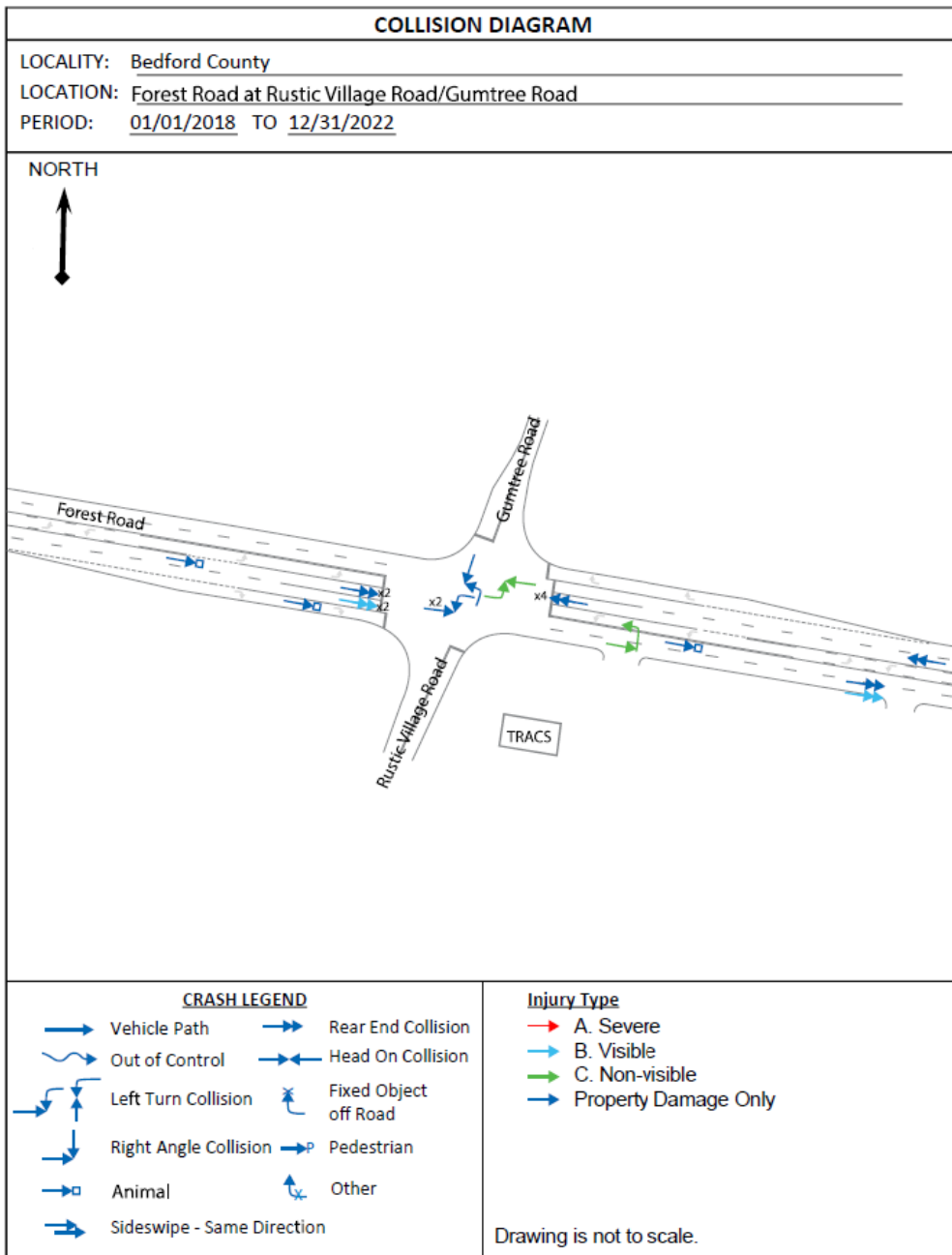
Amherst County

1. Amherst Highway (BUS 29) and Sprouse Drive
2. Amherst Highway (BUS 29) and Rothwood Road (657)
3. Amherst Highway (163) and Old Town Connector (210)
4. Amherst Highway (163) and Merrymoor Drive (1059)

Bedford County

5. Forest Road (221) and Rustic Village Road/Gumtree Road (609)
6. Perrowville Road (663) and Mays Mill Road (622)





Data and Analysis to Date

Crash Analysis

Traffic Counts

Review of relevant studies

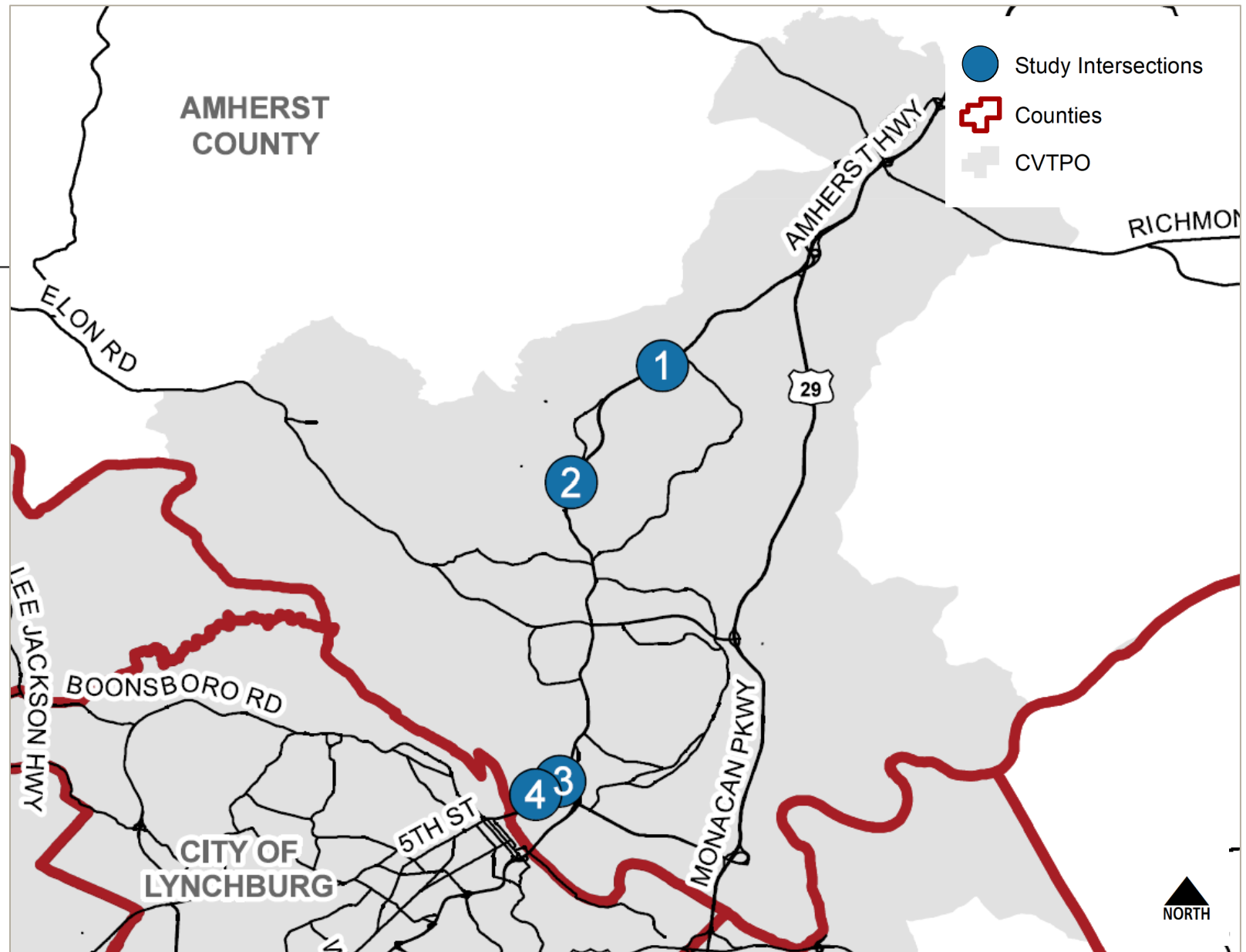
2023 Traffic Operations

- Levels of Service
- Queues

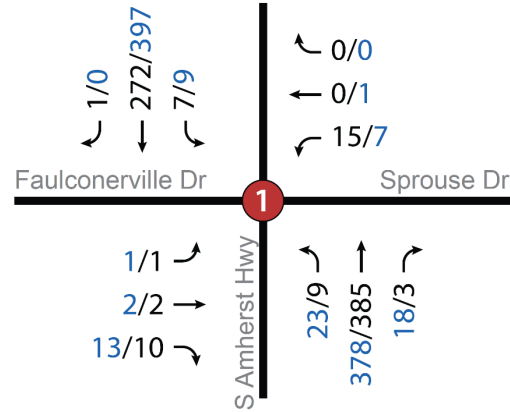
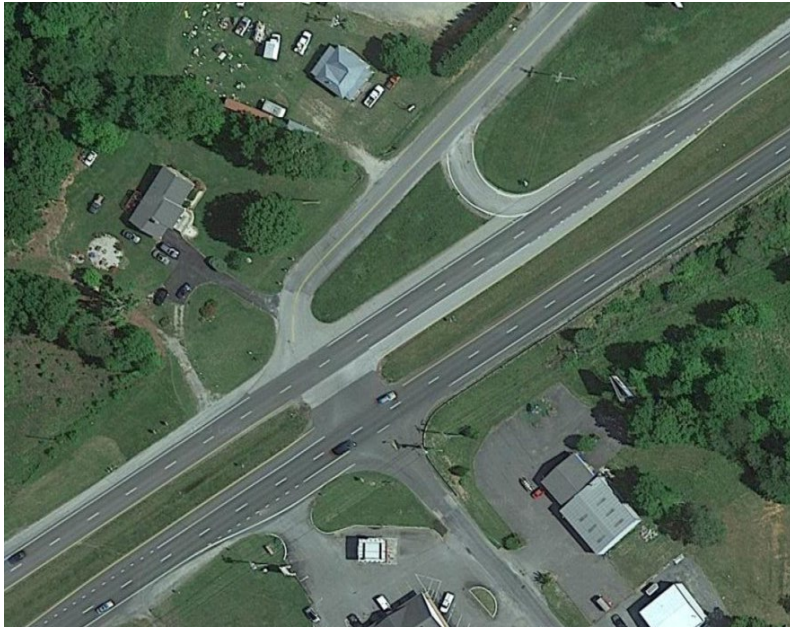
2045 Traffic Operations

Amherst County

1. Amherst Highway (BUS 29) and Sprouse Drive
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Amherst Highway (BUS 29) and Sprouse Drive

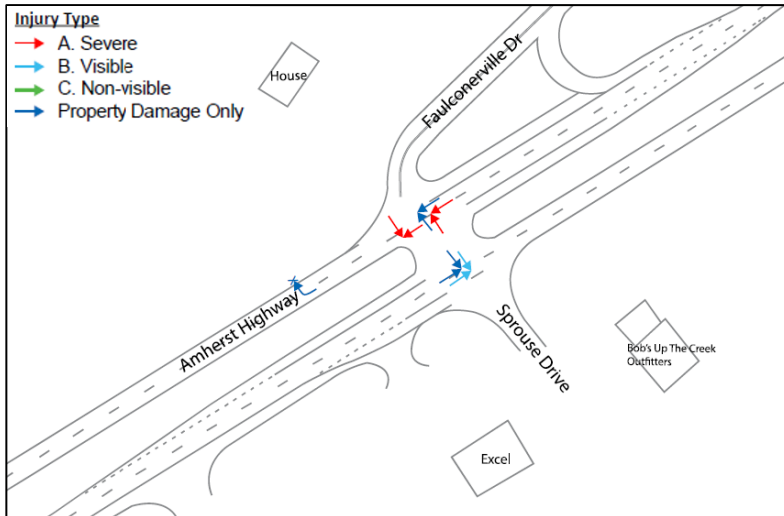


Peak Hour Volumes
AM (7:00-8:00)/PM (5:00-6:00)

Concerns

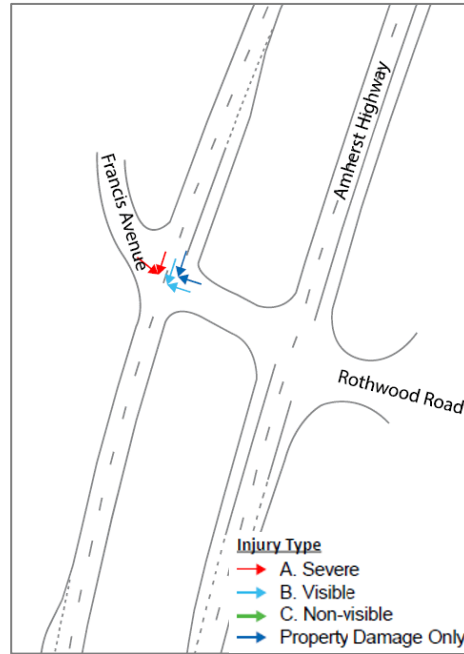
- Angle collisions
- No pavement markings in median
- No stop bars

Other Studies or Projects?



Southbound approaching Sprouse Drive

Amherst Highway (BUS 29) and Rothwood Road (657)



Concerns

- Angle collisions
- Sight distance
 - Looking north from Francis Avenue approximately 550 feet
 - Looking north from median approximately 520 feet
 - Stopping sight distance 495 feet
 - Intersection sight distance 650 feet
 - Looking south from Rothwood Road must pull all the way up
- Minimal pavement markings in median
- No stop bars

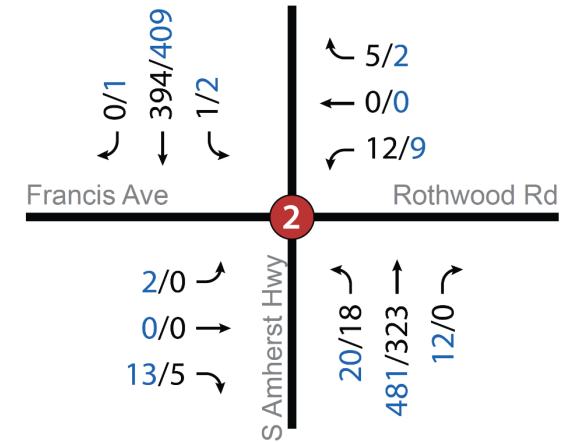
Other Studies or Projects?



Looking north at southbound lanes from median

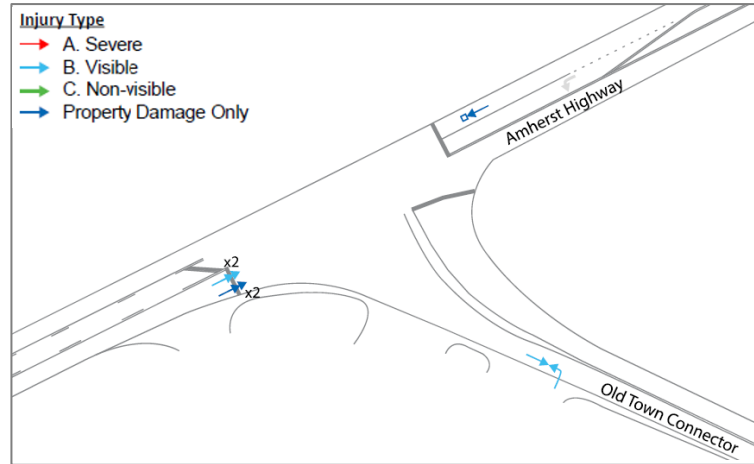


Southbound approaching Rothwood Road



Peak Hour Volumes
AM (7:15-8:15)/PM (4:45-5:45)

Amherst Highway (163) and Old Town Connector (210)



Questions/Concerns

- Signal warning sign placement?
- Significant truck traffic

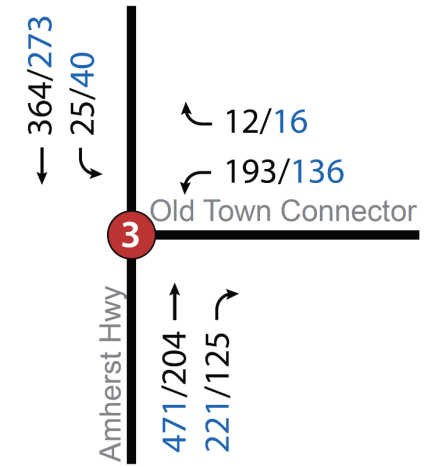
Other Studies or Projects?



Westbound approaching Amherst Highway

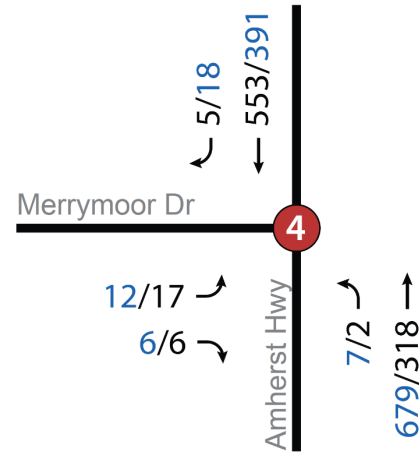
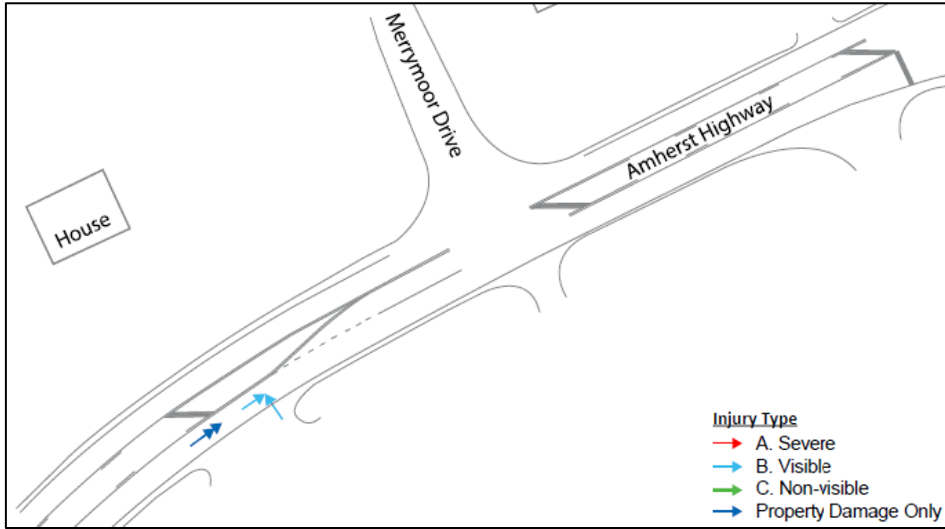


Southbound approaching Old Town Connector



Peak Hour Volumes
AM (7:45-8:45)/PM (4:30-5:30)

Amherst Highway (163) and Merrymoor Drive (1059)



Questions/Concerns

- Background – locality concern?
- No stop bar
- Old Town Connector queues extend through intersection PM peak

Other Studies or Projects?



Northbound approaching Merrymoor Drive



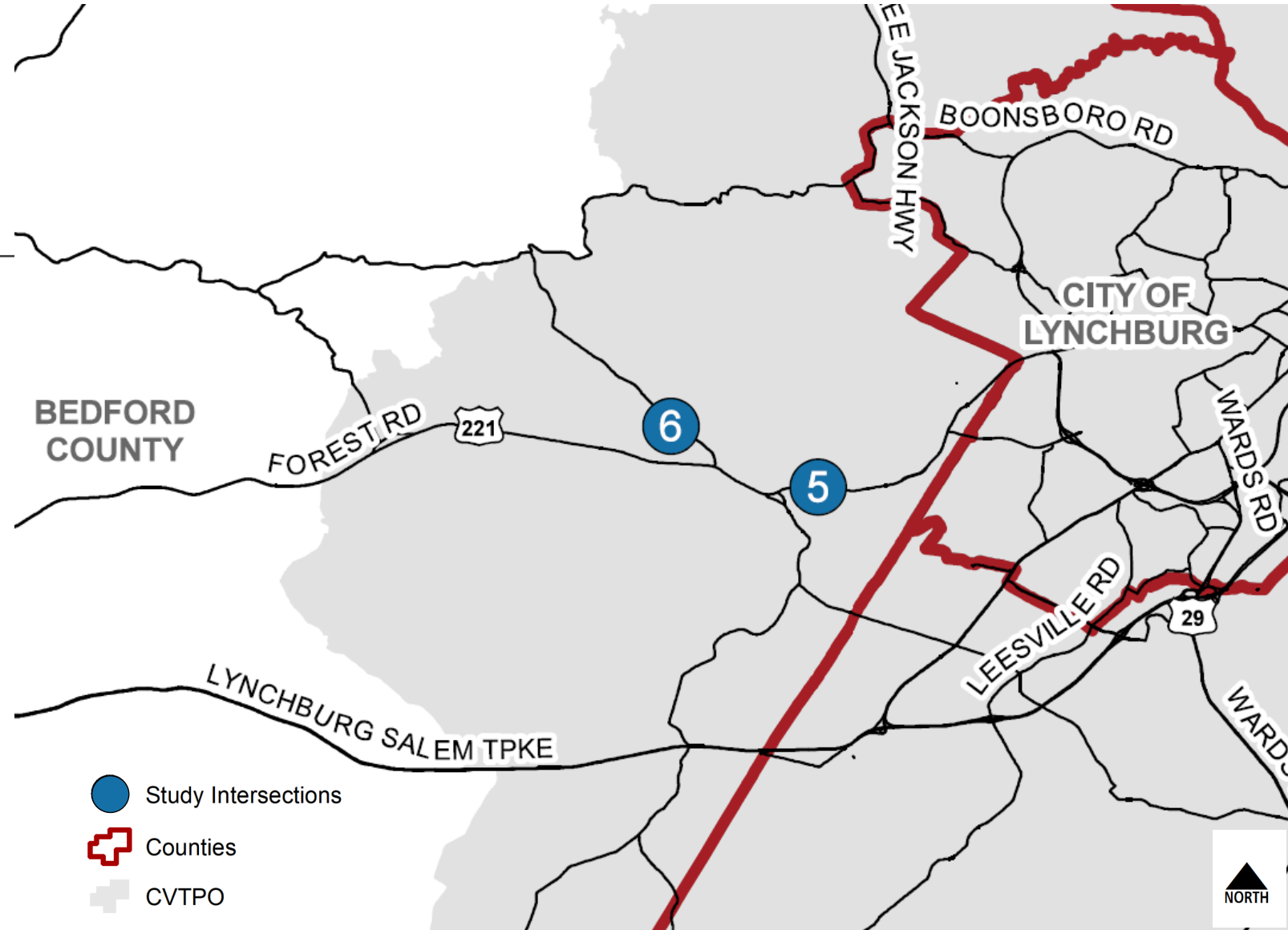
Eastbound approaching Amherst Highway



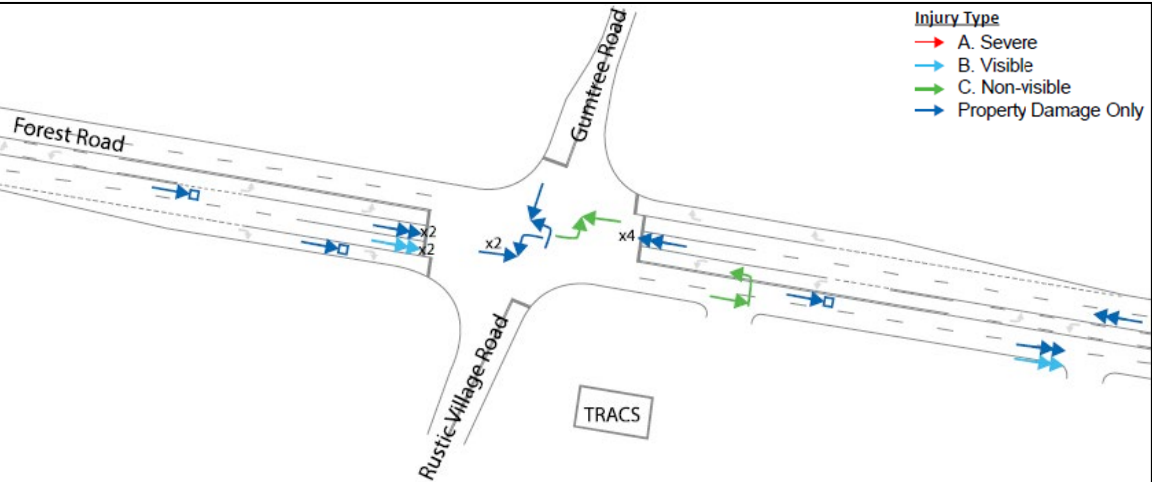
Northbound approaching Old Town Connector

Bedford County

- 5. Forest Road (221) and Rustic Village Road/Gumtree Road (609)
- 6. Perrowville Road (663) and Mays Mill Road (622)



Forest Road (221) and Rustic Village Road/Gumtree Road (609)

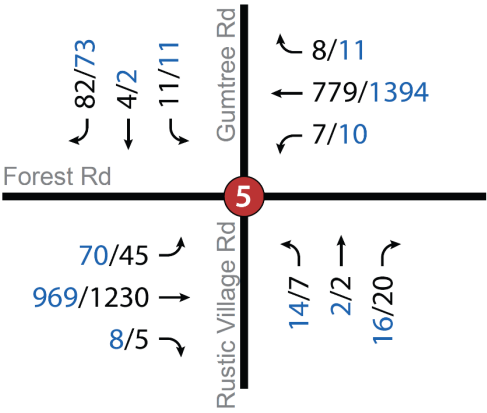


Southbound approaching Forest Road

Questions/Concerns

- When were FYAs installed?
- Split phased

Other Studies or Projects?



Peak Hour Volumes
AM (7:30-8:30)/PM (4:30-5:30)



Westbound approaching Rustic Village Road

Perrowville Road (663) and Mays Mill Road (622)



Northbound approaching Perrowville Road

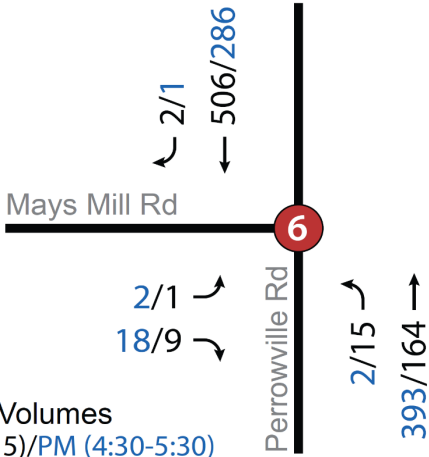


Westbound approaching Mays Mill Road

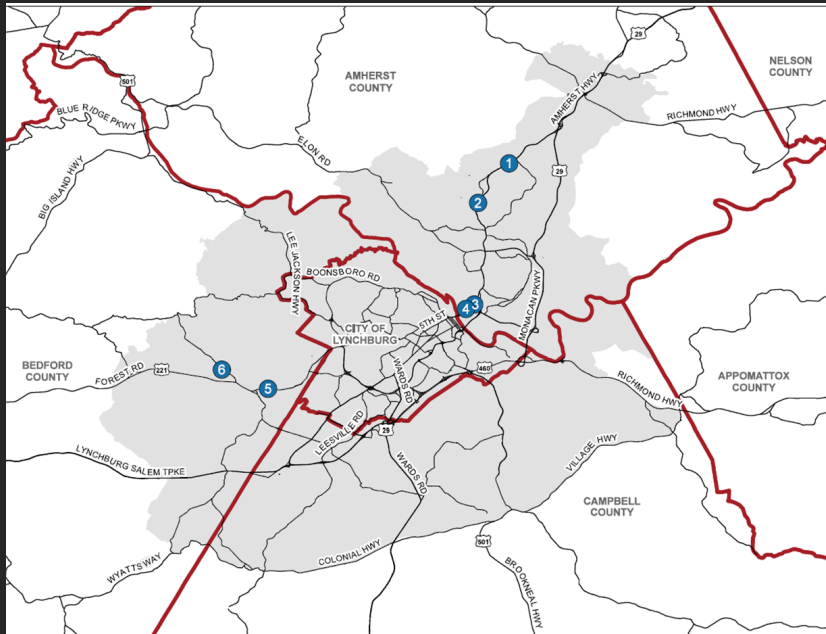
Questions/Concerns

- Background?
- No crashes in last 5 years

Other Studies or Projects?



Next Steps and Schedule



Identify and Analyze Mitigation Measures

Present Improvement Concepts to SWG: Late November

- Look for Doodle Poll

Revise concepts as needed

Present Final Concepts to SWG: Early February

Present Concepts to Amherst and Bedford County Boards of Supervisors if requested

Prepare Final Report

Discussion
