

Route 3/NH 28 Hooksett 29611 Roadway Improvement Project

- Working Group Meeting #2
- January 20, 2021
- 9:00 AM – 10:30 AM



Meeting Agenda

Working Group Meeting #2

1. Vision Statement and Purpose and Need Statement
Review and Consensus
2. Recap of Identified Issues
3. Traffic Volumes and Suggestions
4. Meeting Wrap-up

Working Group Meeting #1 Survey Results

- WG Meeting #1 follow up survey complete
- 5 responses received
- Vision Statement received a majority vote on the three updated statements options
- Purpose & Need Statement all responses in agreement with updated statement



Call for Consensus on the Vision Statement

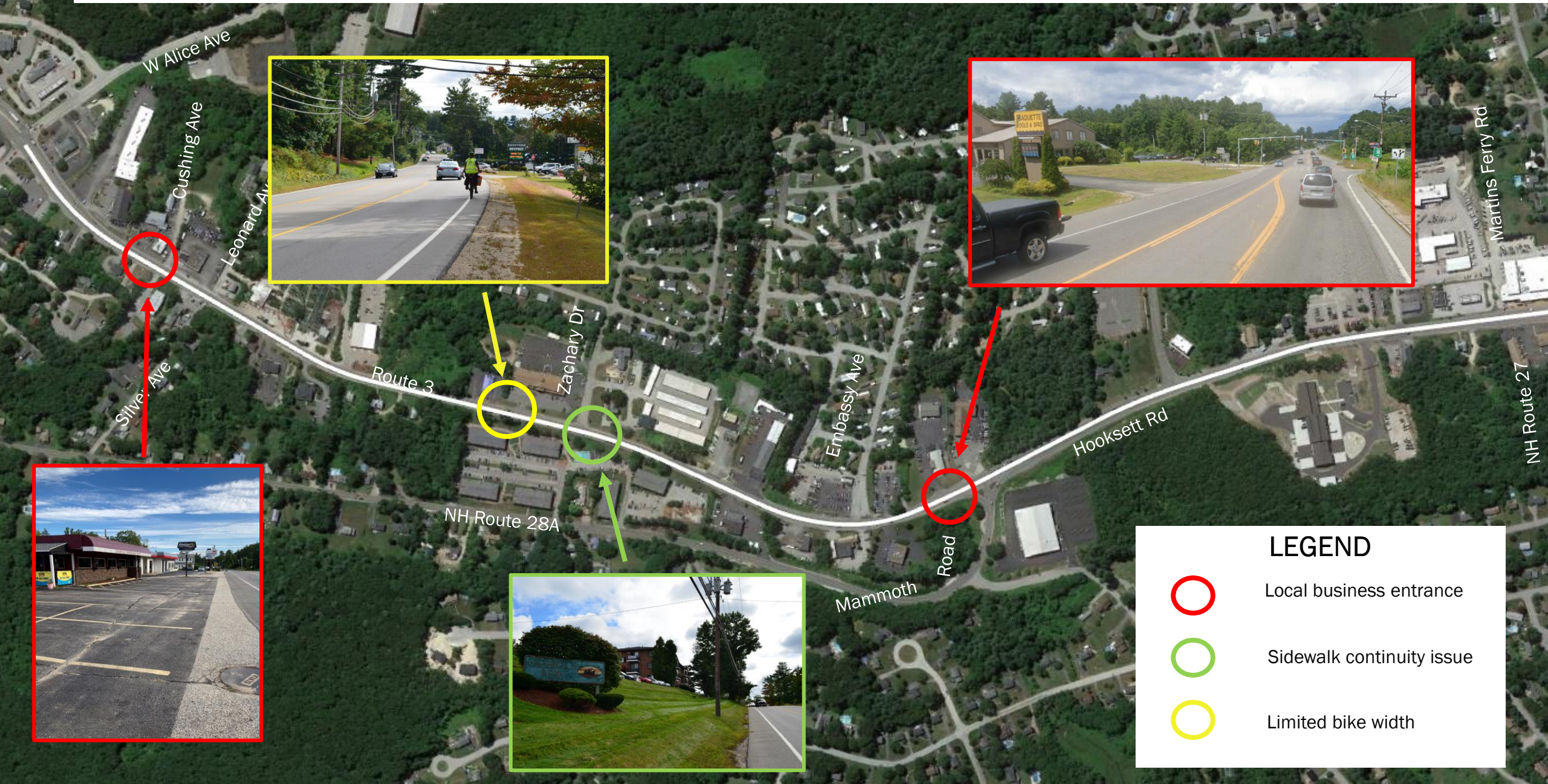
Improve roadway safety, mobility and efficiency to promote safe, convenient and comfortable travel for motorized vehicles, pedestrians and bicyclists.

Call for Consensus on the Purpose and Need Statement

The purpose of the project is to improve long-term safety, efficiency and mobility on 1.4 miles of the US Route 3/NH 28 corridor between Alice Avenue/West Alice Avenue and NH Route 27/Martins Ferry Road. These improvements are needed to address the following issues:

- Congestion; significant intersection back-ups during peak hours, inadequate use of center turning lanes, and address planning needed for long-term transportation operations.*
- Safety; poor sight distance and conflicts between vehicles, pedestrians and bicyclists at various locations throughout the corridor.*
- Access Management; poorly defined driveways allowing uncontrolled access to US Route 3/NH 28*
- Bicycle and Pedestrian Facilities; sidewalk discontinuity limiting pedestrian access and mobility, and insufficient shoulder width to safely accommodate bicyclists.*
- Intersection Improvements; traffic signals require ADA and equipment upgrades to improve preemption, timing and coordination and promote efficient traffic flow.*

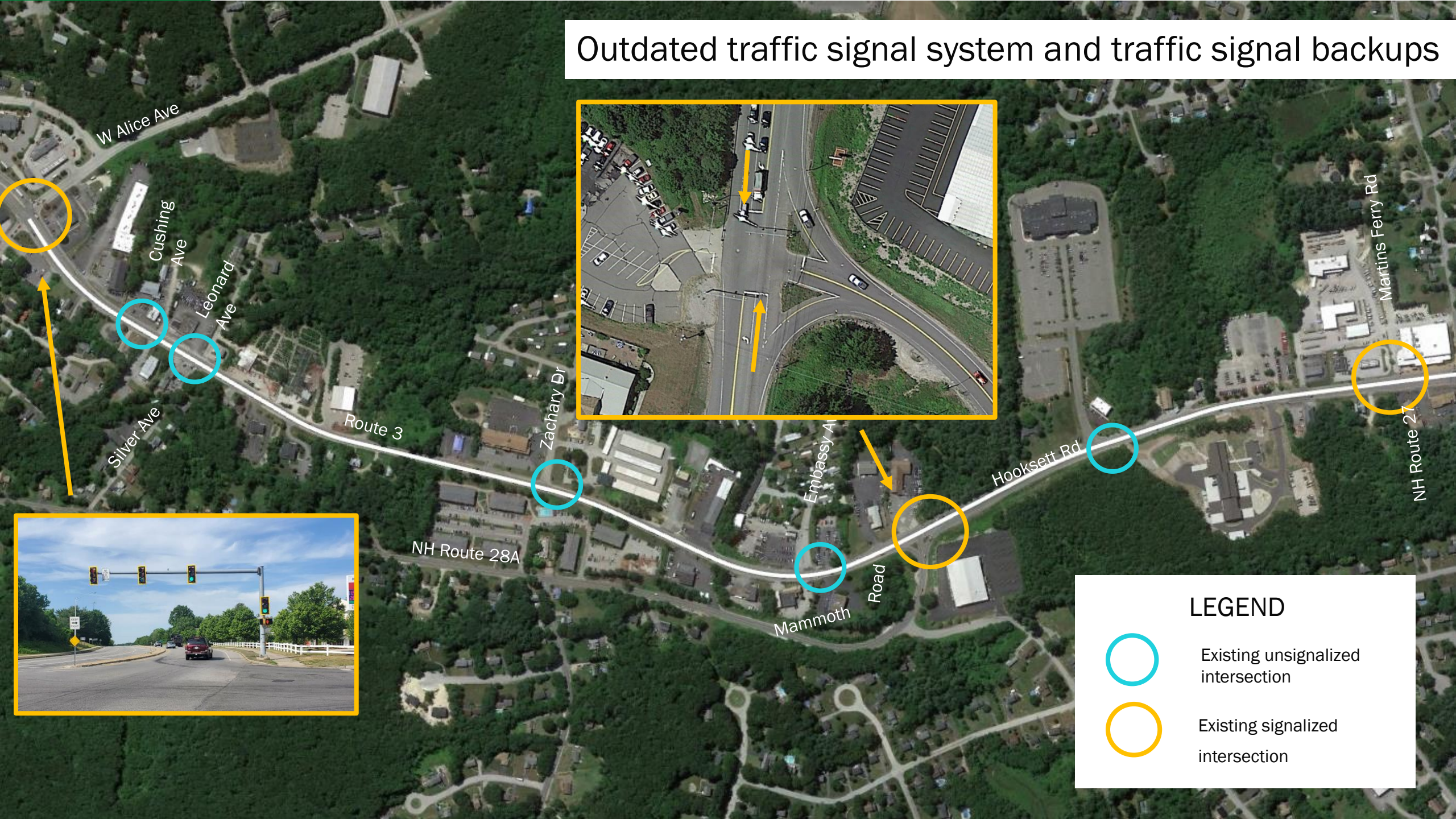
Poor access management, inadequate bike lane width and lack of sidewalk access and continuity





LEGEND

-  Local business entrance
-  Sidewalk continuity issue
-  Limited bike width

Outdated traffic signal system and traffic signal backups





LEGEND

-  Existing unsignalized intersection
-  Existing signaled intersection

Inadequate sight distance and inefficient use of center turning lane




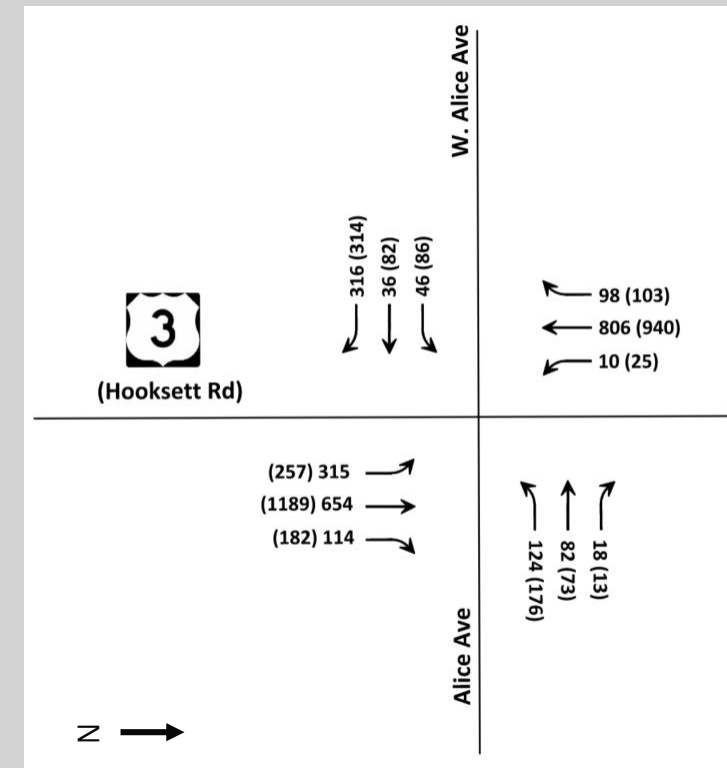
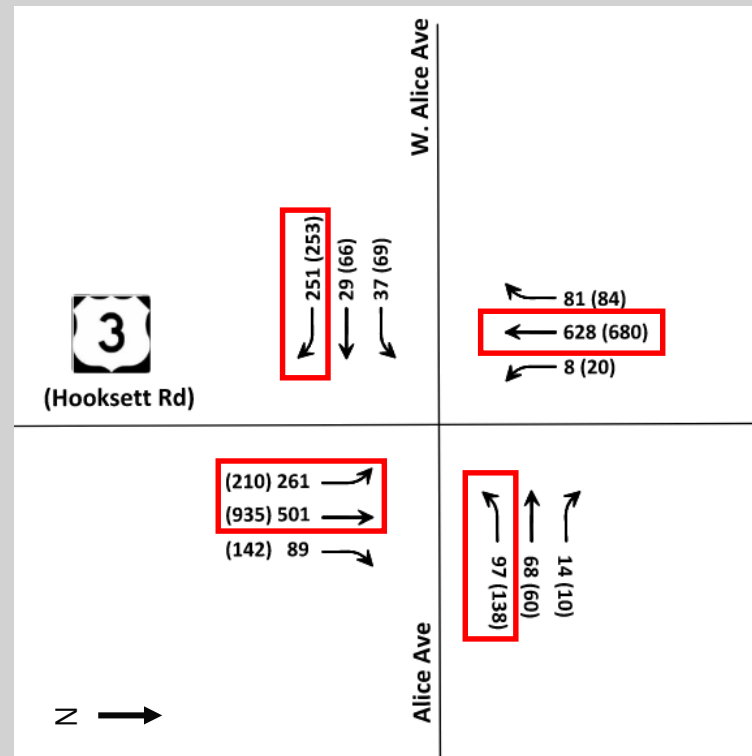
LEGEND

-  Inadequate sight distance
-  Inefficient use of center turning lane

Traffic Volumes – Alice Ave

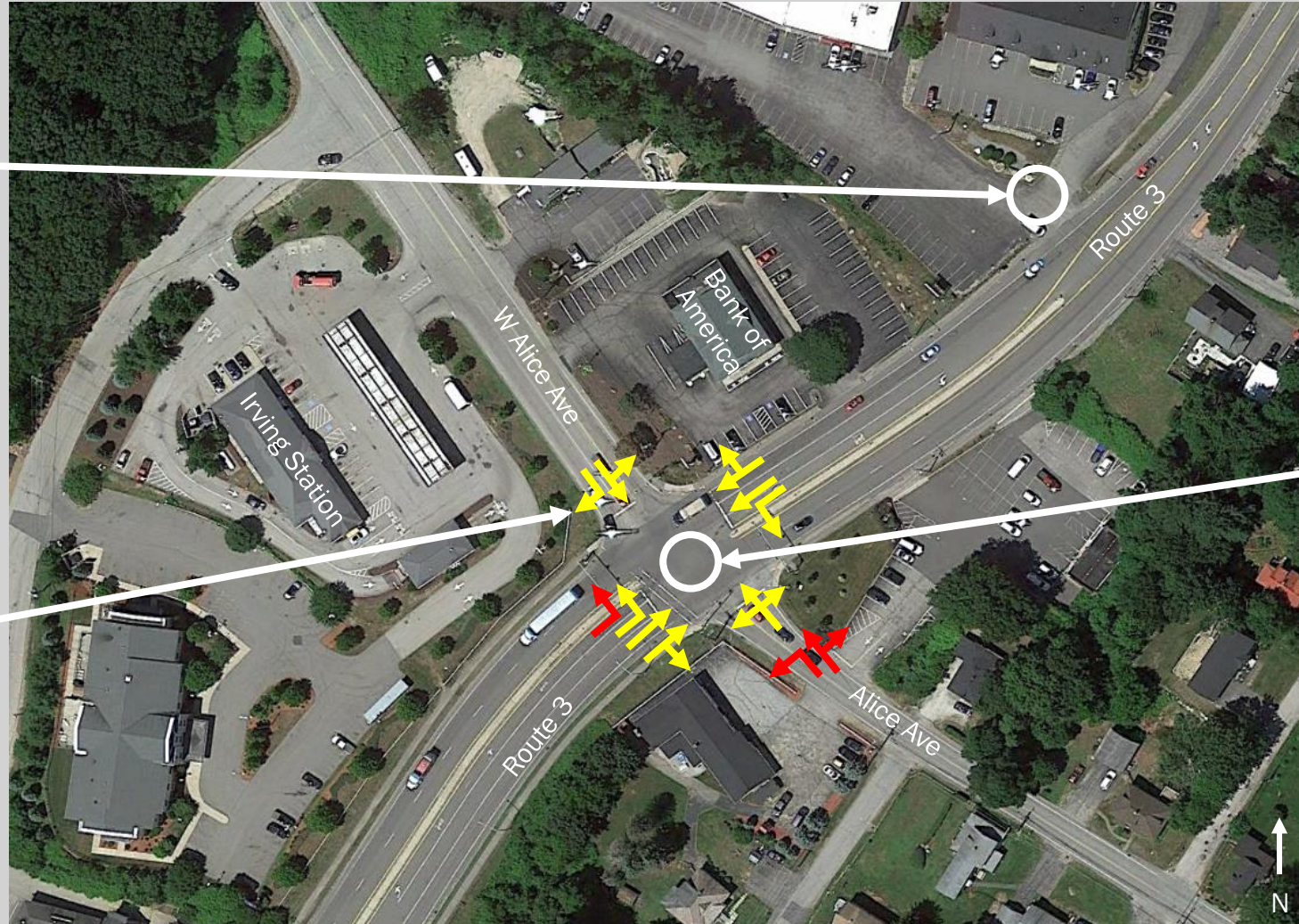
- Traffic counts completed September 2020
- Existing traffic volumes have been adjusted to account for COVID/SNHU online classes
- Existing conditions traffic model developed January 2021

 The red boxes highlight the predominant traffic movements



Traffic Suggestions Alice Ave

Formalize
Commercial
Property Access

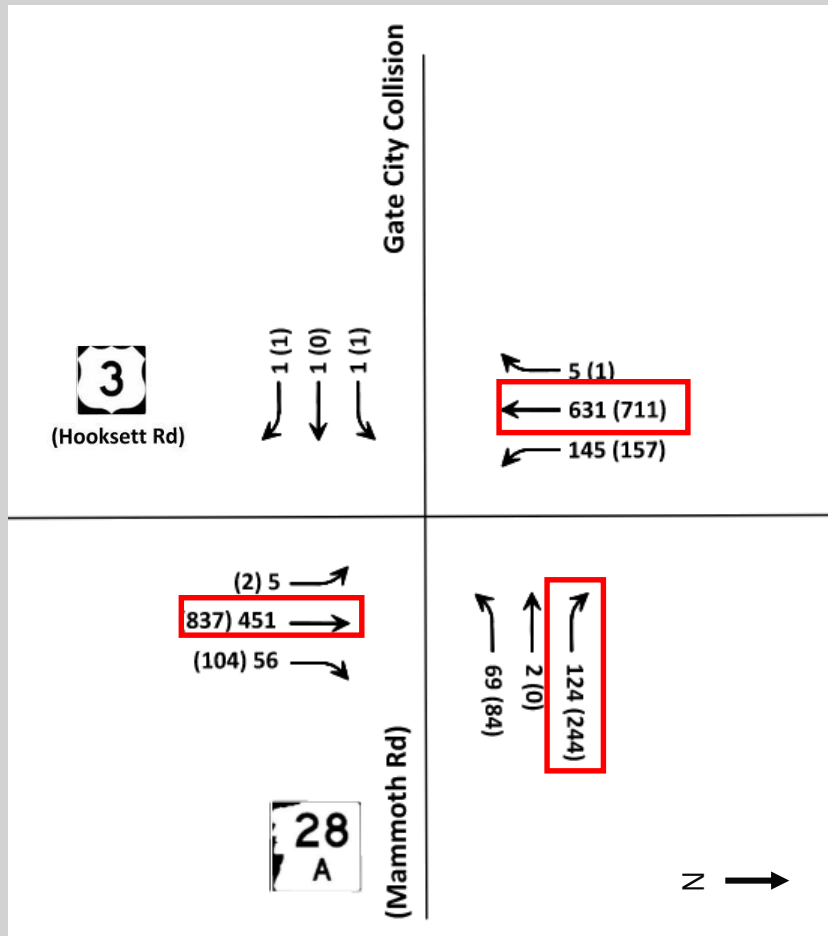


Consider access
management strategies
to address safety
issues from Alice Ave to
Mammoth Rd

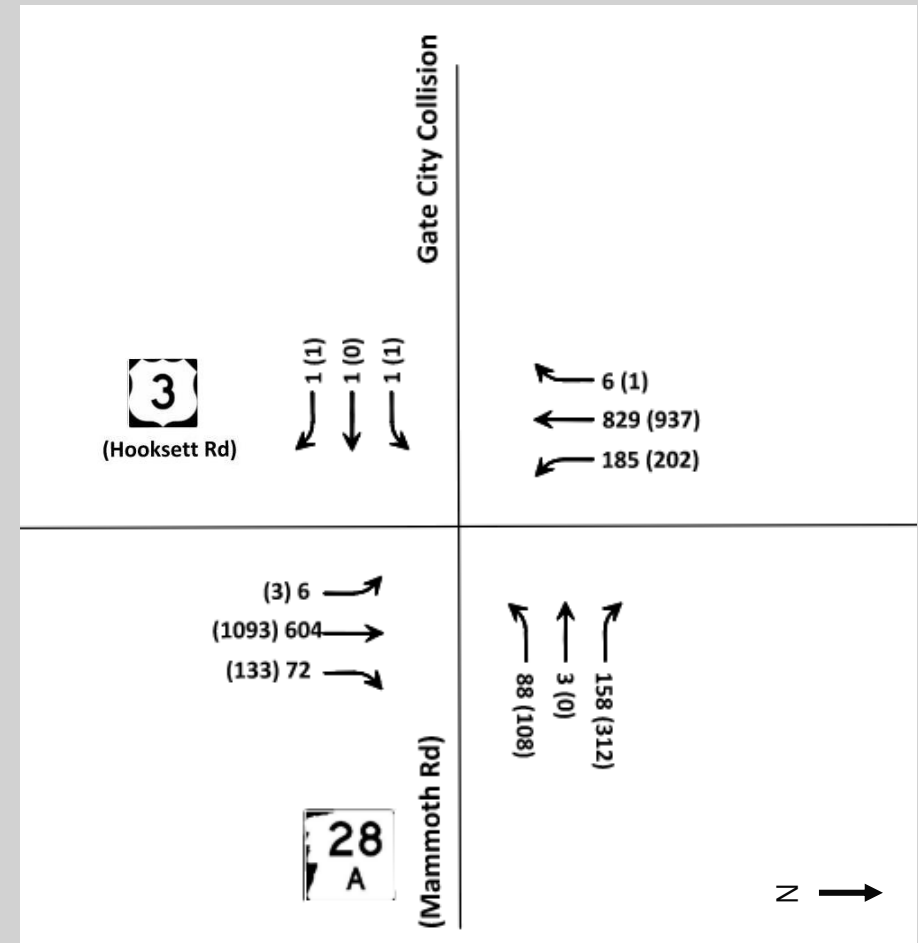
Optimize Signal Timing

LEGEND:
Yellow = Existing lane
configuration
Red = Suggested modification

Traffic Volumes – Mammoth Rd



Existing Hourly Volumes
AM (PM)



Projected Hourly Volumes (2045)
AM (PM)

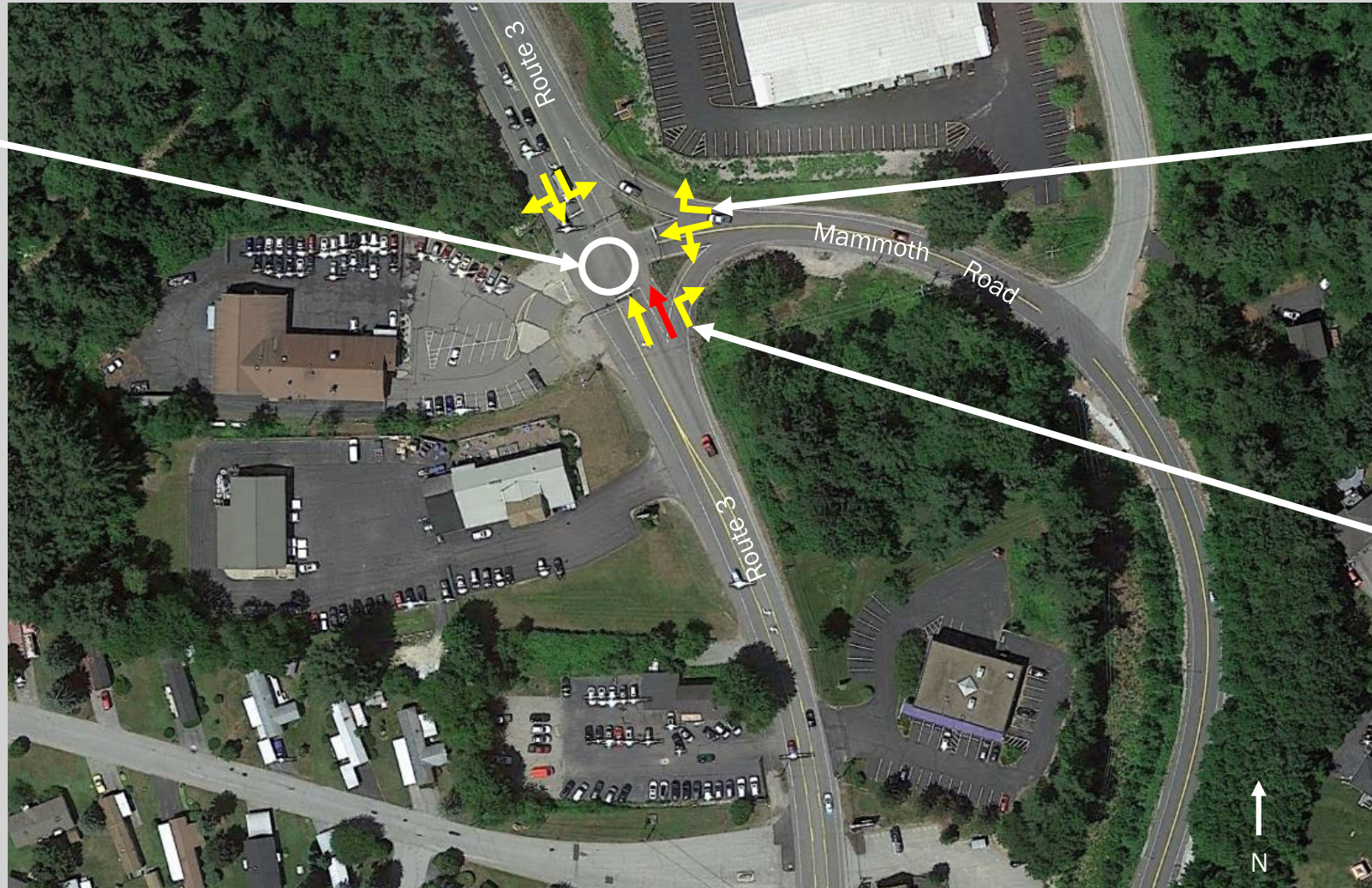
The red boxes highlight the predominant traffic movements

Traffic Suggestions Mammoth Rd

Optimize Signal Timing

Increase RT lane storage

Increase RT lane storage

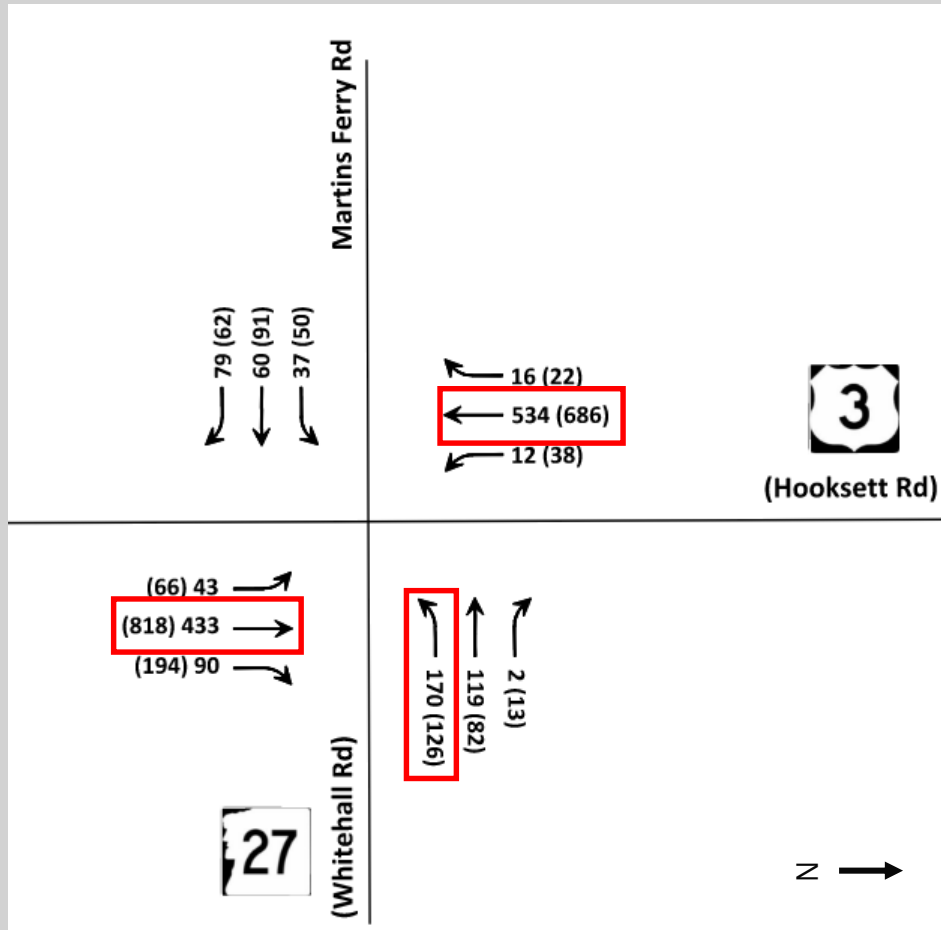


LEGEND:

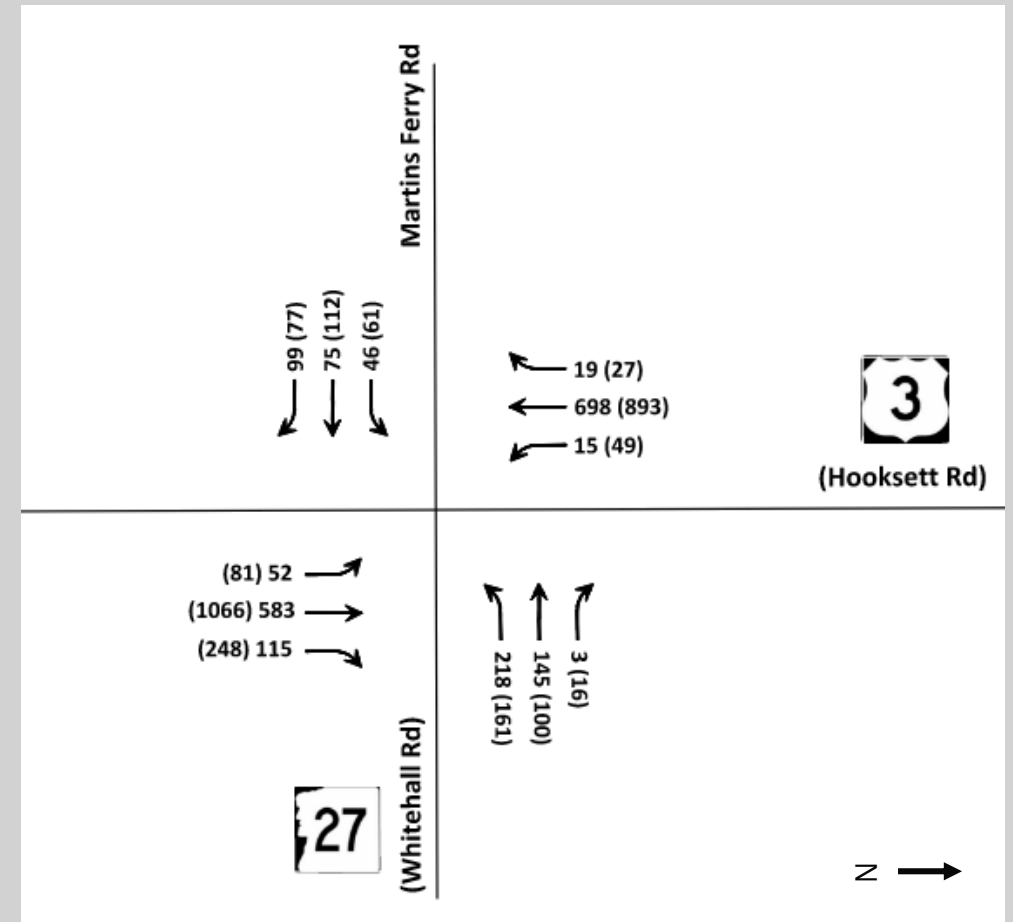
Yellow = Existing lane configuration

Red = Suggested modification

Traffic Volumes - Martins Ferry Rd



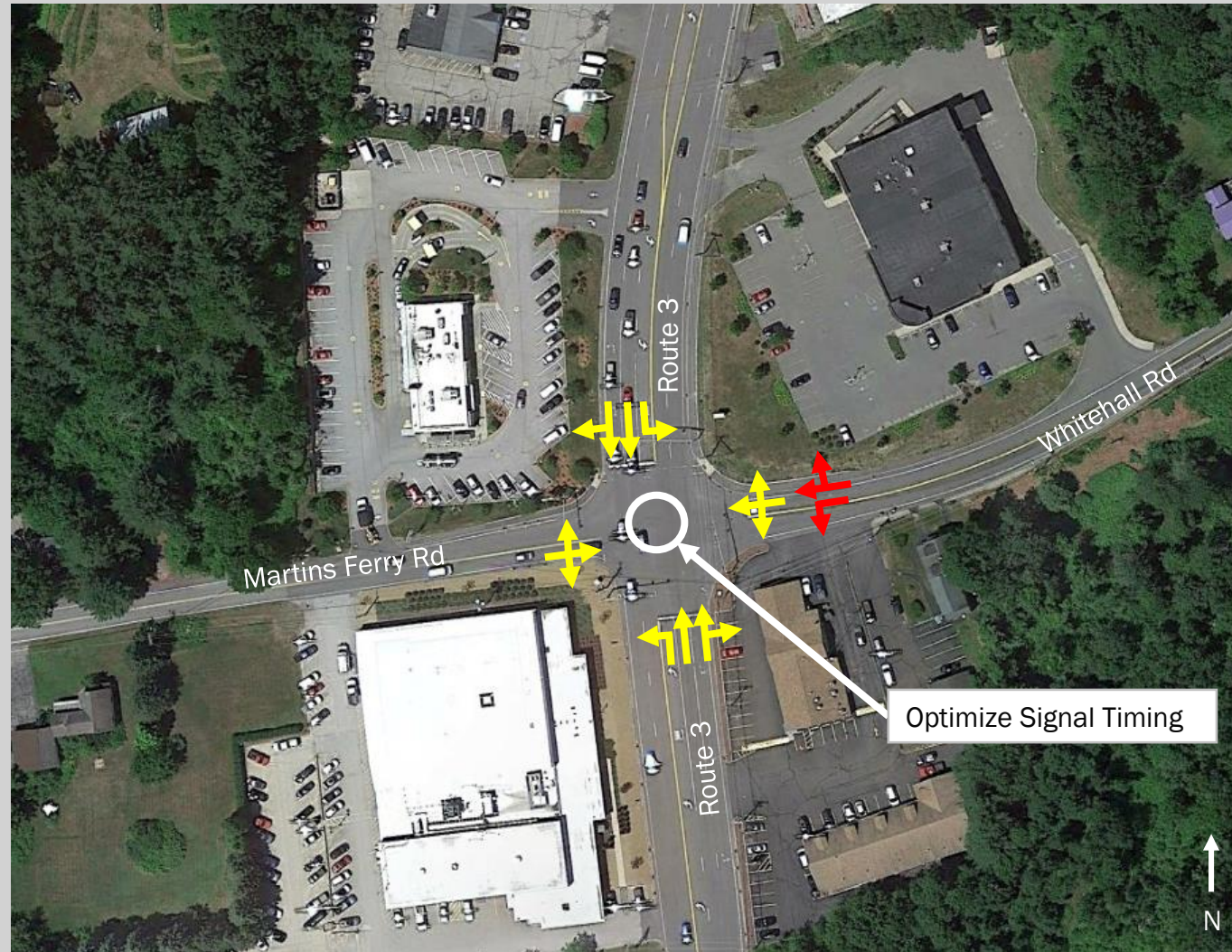
Existing Hourly Volumes
AM (PM)



Projected Hourly Volumes (2045)
AM (PM)

The red boxes highlight the predominant traffic movements

Traffic Suggestions Martins Ferry Rd



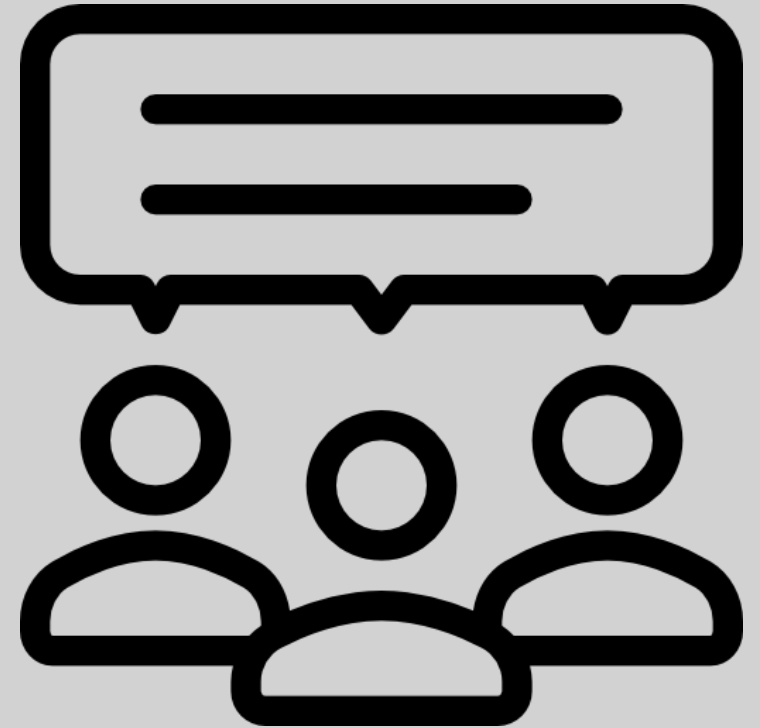
LEGEND:

Yellow = Existing lane configuration

Red = Suggested modification

Working Group Suggestions

- Feedback on traffic suggestions
- Other issues the WG believes need to be addressed in this corridor
- Comments or concerns you have heard from others
- Follow up surveys



Next Meeting

- Next Working Group Meeting
 - Tentatively scheduled for May 2021 at 9 AM
- Anticipated Goals for Working Group Meeting #3
 - Discussion of Alternative Rating Criteria
 - Present preliminary design alternatives and gather input
- Contact information:
 - Donald Lyford, P.E.
 - Donald.A.Lyford@dot.nh.gov
 - 603-271-2165

Meeting Adjourned

Thank you!

