

Proposed for CMAQ Funding

Londonderry/Windham/Seabrook Signal Corridor Improvement Project

**NHDOT Bureau of Traffic
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Objective

- Reduce delay, emissions, and fuel consumption from improved traffic efficiency (minimize travel time in corridor).

Approach

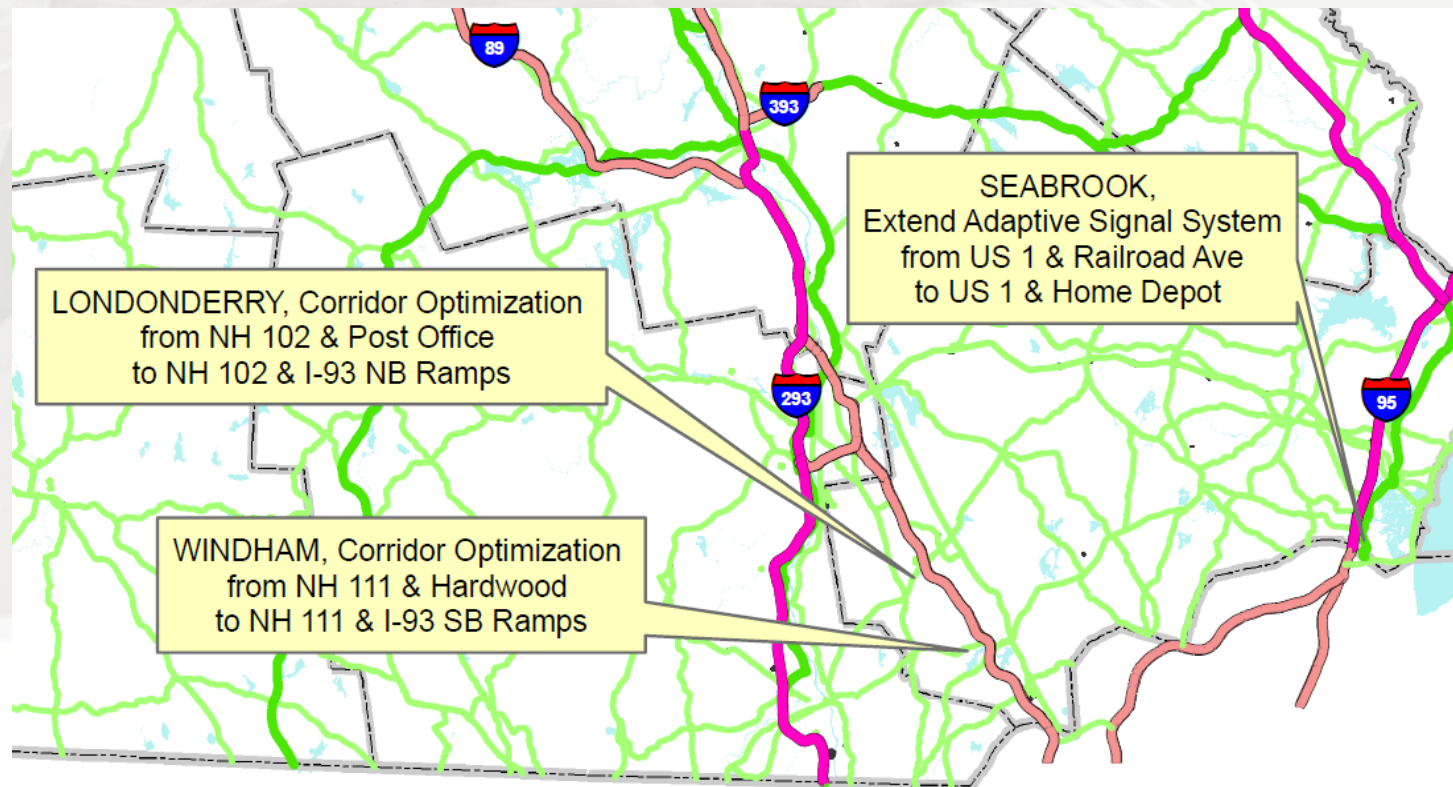
- Leverage existing signal infrastructure to expand coverage of advanced signal systems for additional efficiency benefits.

Target

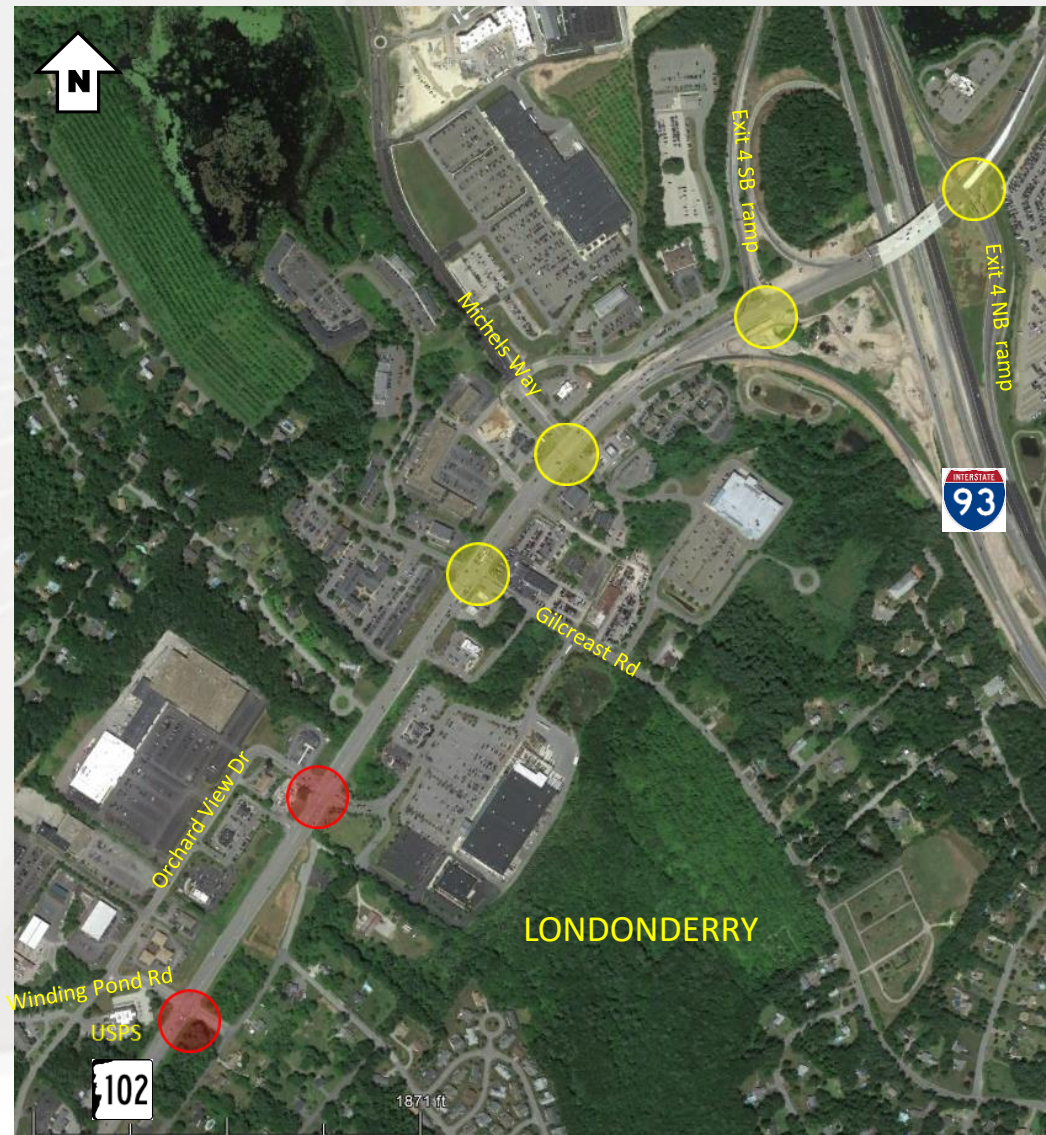
- Signalized corridors with continued growth and volume.

Selected Locations

- Londonderry
- Windham
- Seabrook



Londonderry



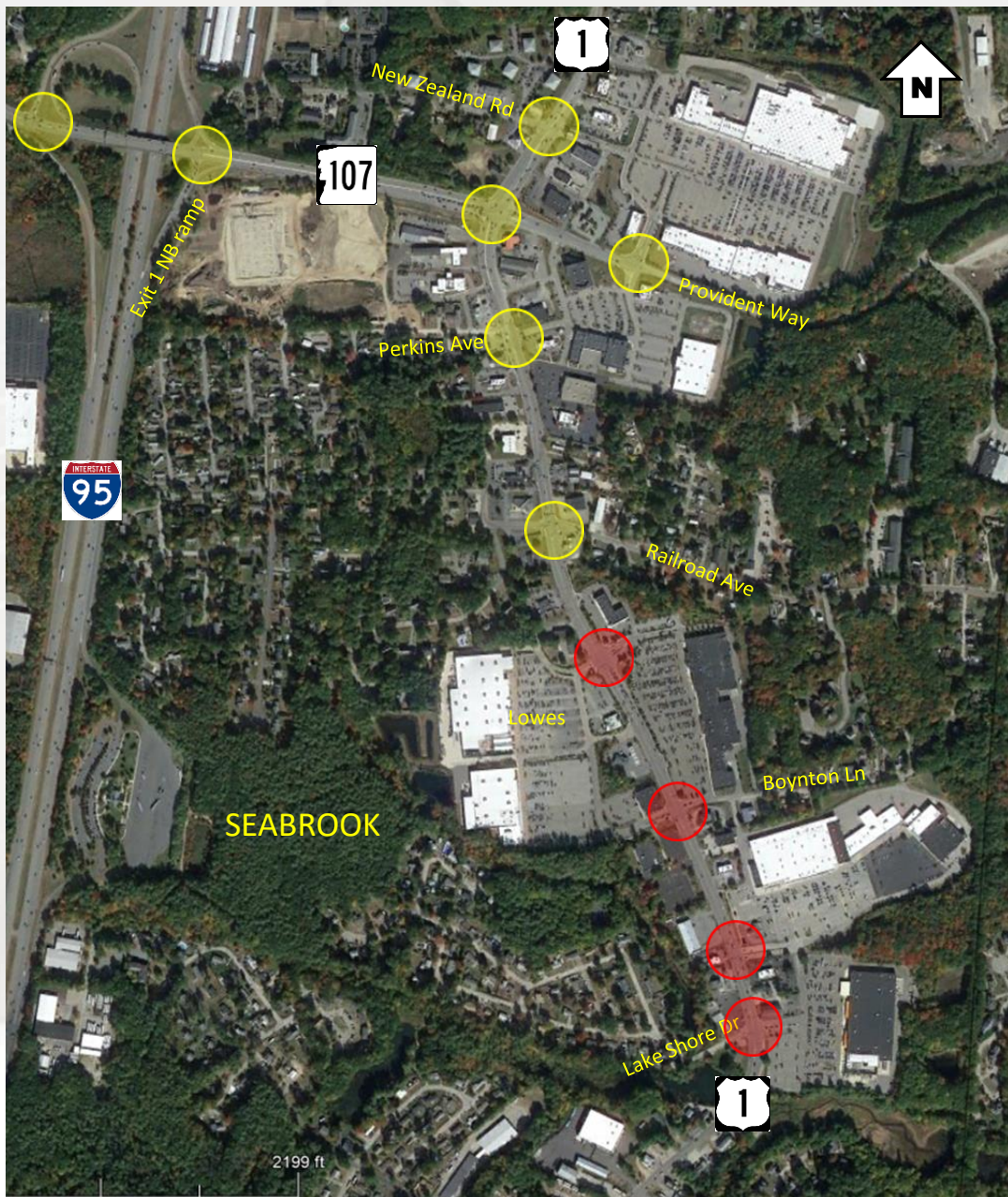
- 21,519 AADT (2021)
- Existing coordinated system
- Add two intersections to system
- Enhanced detection
- Optimize whole corridor

Windham



- 22,115 AADT (2021)
- Existing coordinated system
- Add two intersections to system
- Extend data communications
- Optimize whole corridor

Seabrook



- AADT (2021)
 - 19,140 US 1
 - 20,331 NH 107
- Existing Adaptive system
- Add four intersections to system
- Extend data communications
- Optimize whole corridor

Additional Benefits

- Greater span of advanced signalization
- Improved “visibility” of traffic conditions
- Remote access for troubleshooting
- More reliable/versatile detection
- Greater ITS capability.
- Future expansion for CAV

CMAQ 2023 Application

- Seeking \$700,000 project funding
 - Construction \$450,000
 - Construction Engineering \$150,000
 - Preliminary Engineering \$100,000
 - 80% Federal Funds - \$560,000

Thank you.

Questions?