



# Steering Committee Meeting



February 28, 2023



# Lower Winchester Street Reconstruction Project



1. Call to Order / Chairman's Remarks
2. Roll Call
3. Approval of Minutes from October 4, 2022 and October 18, 2022 (Listening Session)
4. Overview of October 18 & 25, 2022 Listening Sessions
  - Problems and Challenges
  - Opportunities
5. Development of Project Purpose and Need
6. Background Information
  - Project Mapping
  - Environmental Resources
  - Traffic Data Collection / Analysis
7. Alternatives Development
  - Corridor Alternatives (2-Lane and 3-Lane)
  - Intersection Concepts (Roundabouts and Traffic Signals)
8. Project Schedule
9. Questions & Answers
10. Adjourn

**AGENDA**



# Overview of Project Listening Sessions

- Left Turns from Route 10
- Left Turns from Driveways
- Safety
- No Pedestrian Crossings
- No Sidewalks
- No Bike Accommodations
- Congestion
- Speed
- Bridge width
- Sight distance at Matthews Road intersection
- Truck traffic

Problems  
and  
Challenges



# Overview of Project Listening Sessions

- Improve Safety
- Improve intersections
- Widen bridge
- Slow traffic/calming
- Crosswalks at signals
- Add sidewalks
- and bike lanes
- Roundabouts
- Aesthetics
- Turn lanes (3 lanes)
- Left turn pockets

## Opportunities

- Signage/improvements for rail trail and snowmobile trail
- No Roundabouts
- Crosswalks
- Utility concealment



# Project Purpose and Need

## Purpose

The purpose of the project is to provide a Complete Street that addresses daily congestion and side street queueing that occurs along the Lower Winchester Street corridor from the Route 101 Roundabout in Keene to the Market Basket driveway in Swanzey. Improving aesthetics, access and safety for all users are essential goals of the project. The project will address deficiencies on the bridge that carries Winchester Street over Ash Swamp Brook.



# Project Purpose and Need

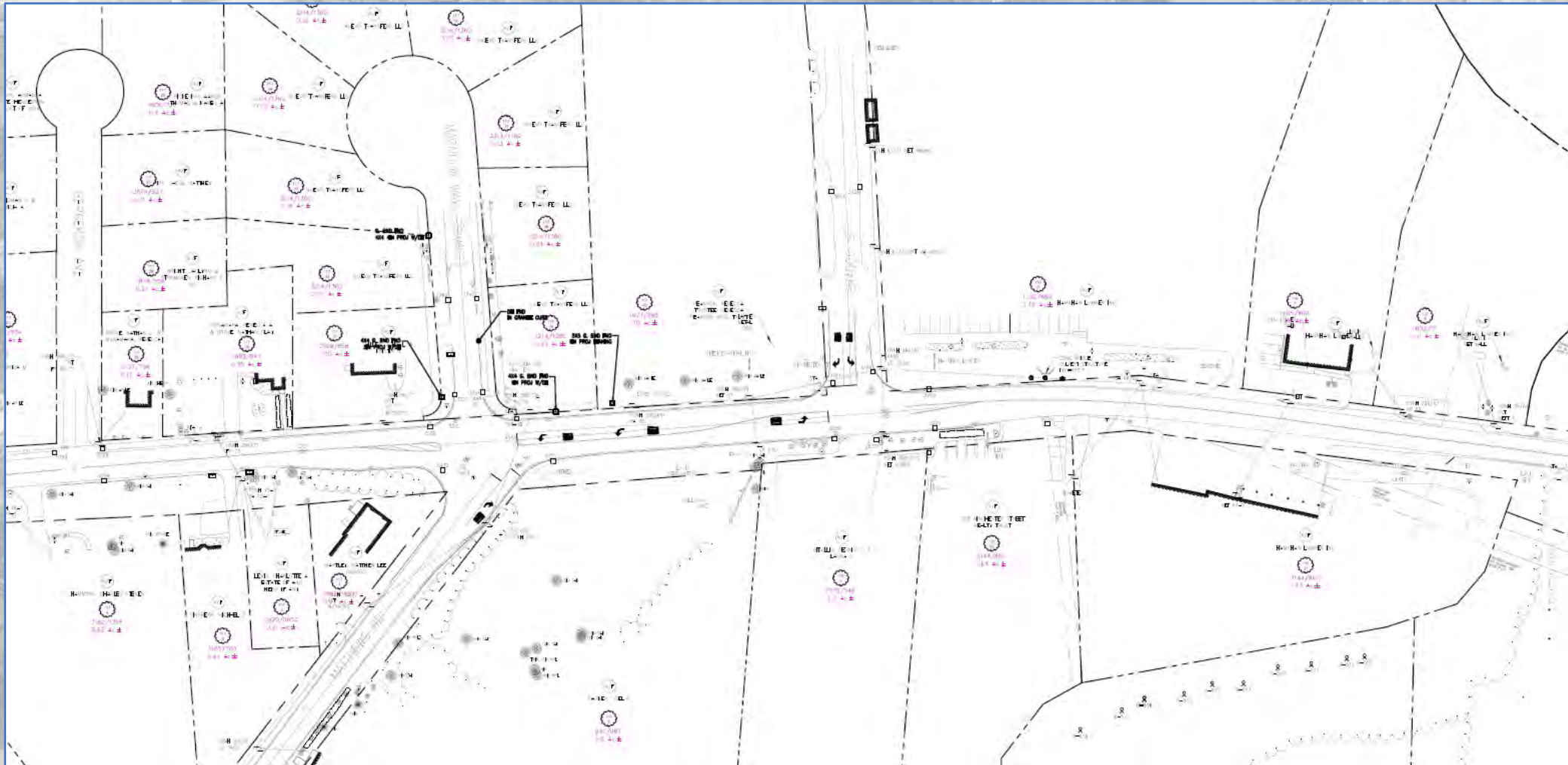
## Need

- The high volume of turning traffic at the intersections and driveways along Winchester Street causes excessive queues and delay.
- Delays accessing Winchester Street lead to unsafe behavior with near miss collisions.
- Pedestrian and Bicycle facilities do not exist along the corridor.
- Poor Aesthetics with no green space along the corridor.
- Excessive speed for those travelling to and from West Swanzey Road.
- The trail/snowmobile crossing is unsafe for its users due to poor signage.
- The Ash Swamp Brook Bridge is on the State's "Red-list", is too narrow, and has sub-standard bridge and approach railings.



# Lower Winchester Street Reconstruction Project

## Background Information Project Mapping





# Lower Winchester Street Reconstruction Project

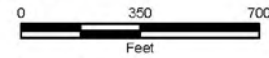


## Environmental Resources

- Lower Winchester Street Study Area
- Roads
- Town Boundary
- National Hydrography Dataset
- Rivers & Streams
- National Wetland Inventory (NWI) Areas
- Palustrine Wetlands

- Keene Lower Winchester St Delineated Wetlands & Surface Waters**
- FEAT\_TYPE**
- WETLAND
  - OHW
  - TOB
  - UPLAND-INCLUSION

- Flood Hazard Zones**
- Zone Type**
- Regulatory Floodway
  - 1% Annual Chance Flood Hazard
  - 0.2% Annual Chance Flood Hazard



LOWER WINCHESTER STREET  
CITY OF KEENE, NEW HAMPSHIRE

**EXISTING ENVIRONMENTAL RESOURCES**

SCALE: 1 inch = 360 feet	DATE: FEBRUARY 2023	FIGURE: 1
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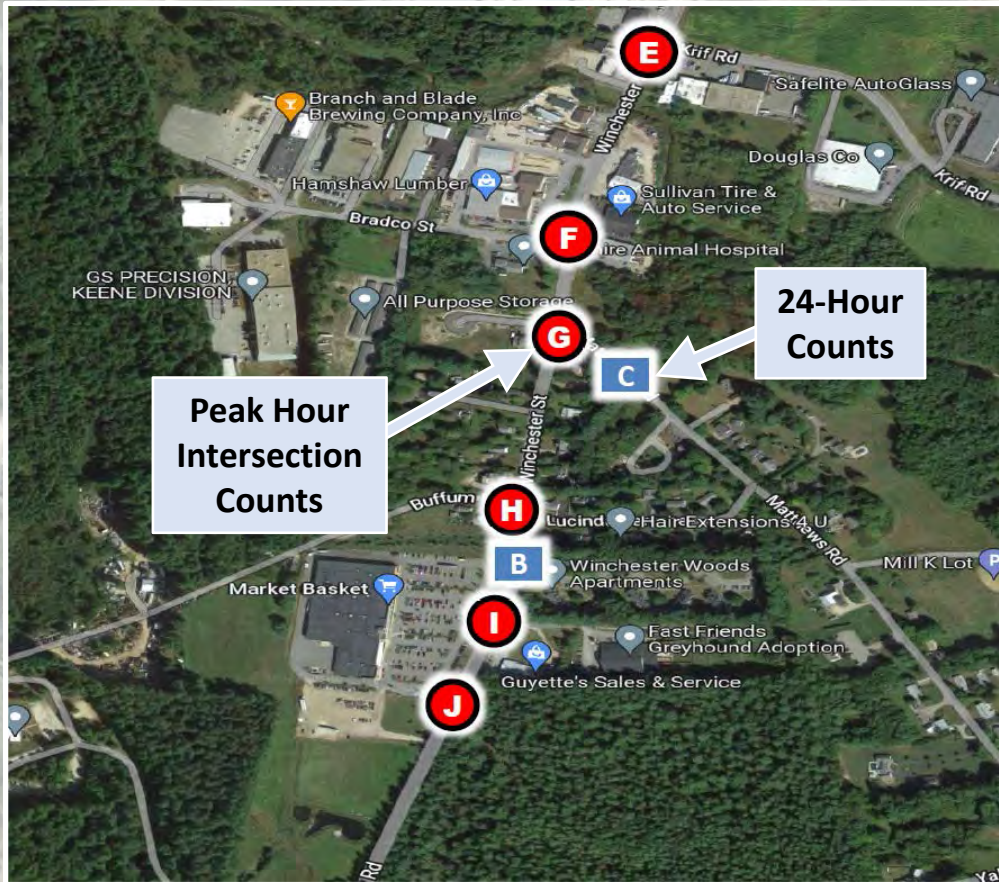
McFarland Johnson





# Background Information

## Traffic Data Collection / Analysis





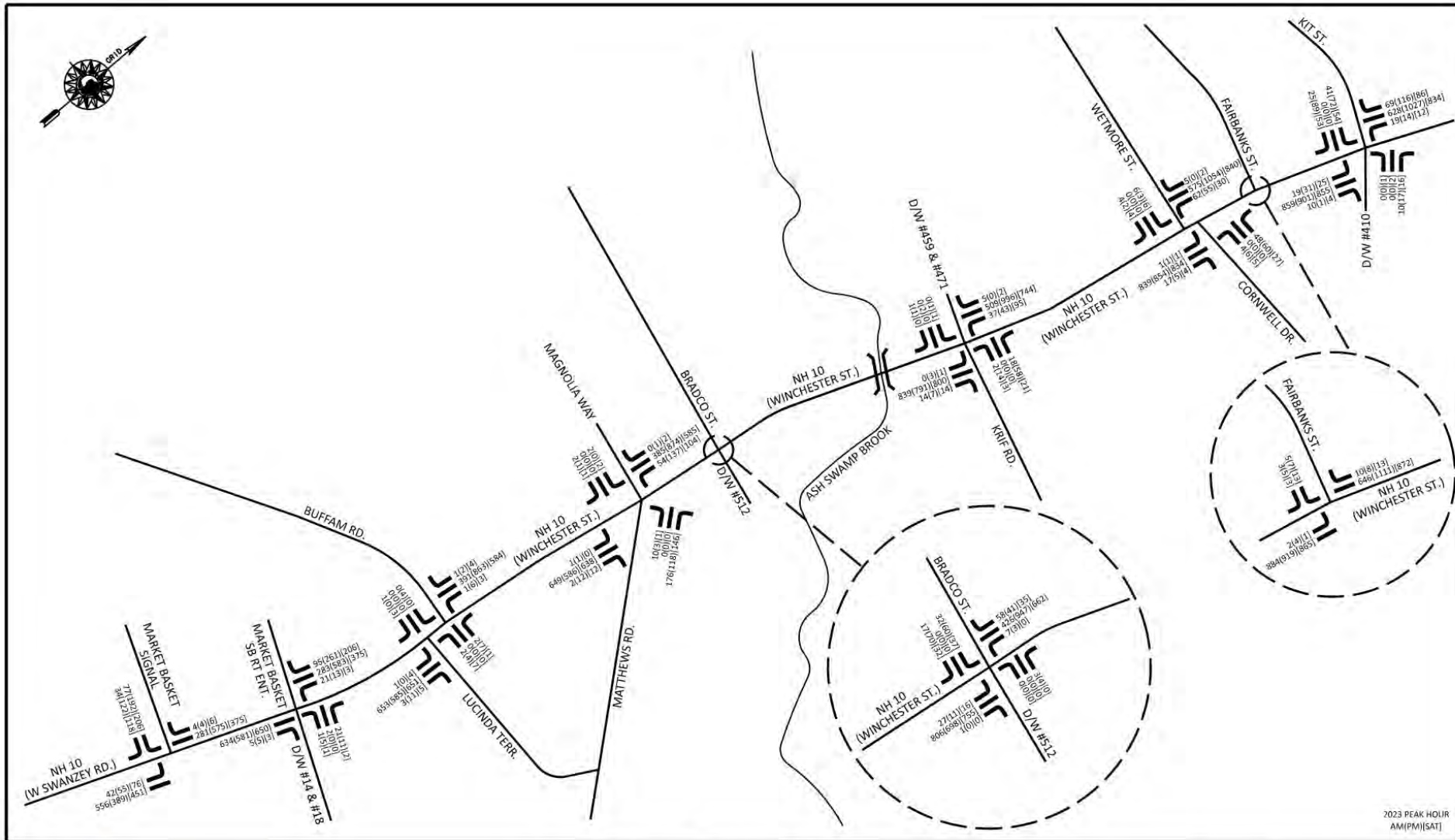
## Background Information

### Traffic Data Collection / Analysis

- New Traffic Counts (AM/PM/SAT) – October 2022
- Twelve (12) Intersections
- Four (4) Daily Counts (2 on Route 10)
- Base Year 2023
- Opening Year 2025
- Design Year 2045
- Determine AM / PM / SAT Peak Design Hour Volumes



# Lower Winchester Street Reconstruction Project



2023 PEAK HOUR AM(PM|SAT)

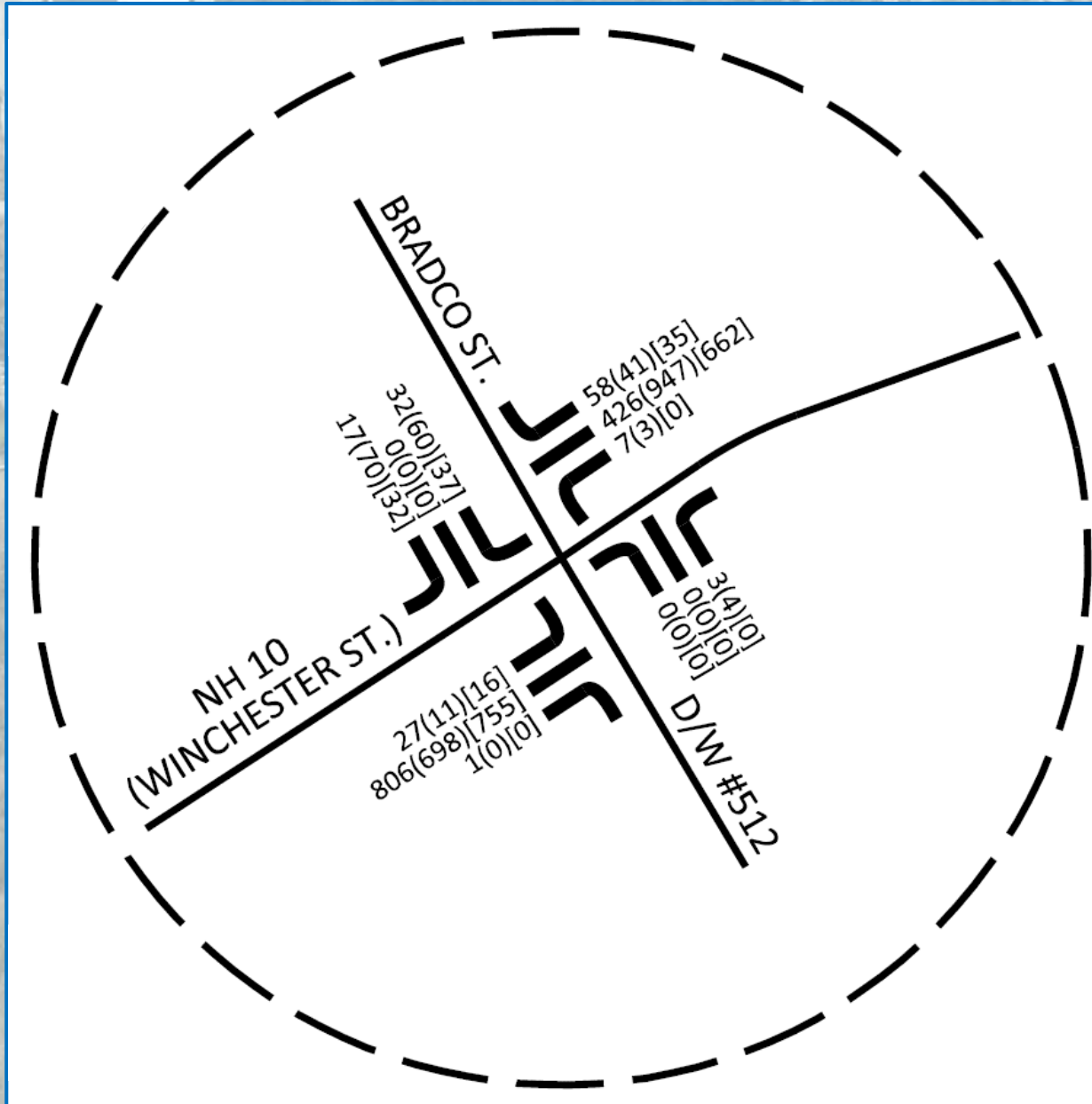


### Peak Hour Traffic Volumes Existing 2023

### Lower Winchester Street Reconstruction Project Keene and Swanzy, NH



# Lower Winchester Street Reconstruction Project



2023 PEAK HOUR  
AM(PM)[SAT]



# Background Information

## Traffic Data Collection / Analysis

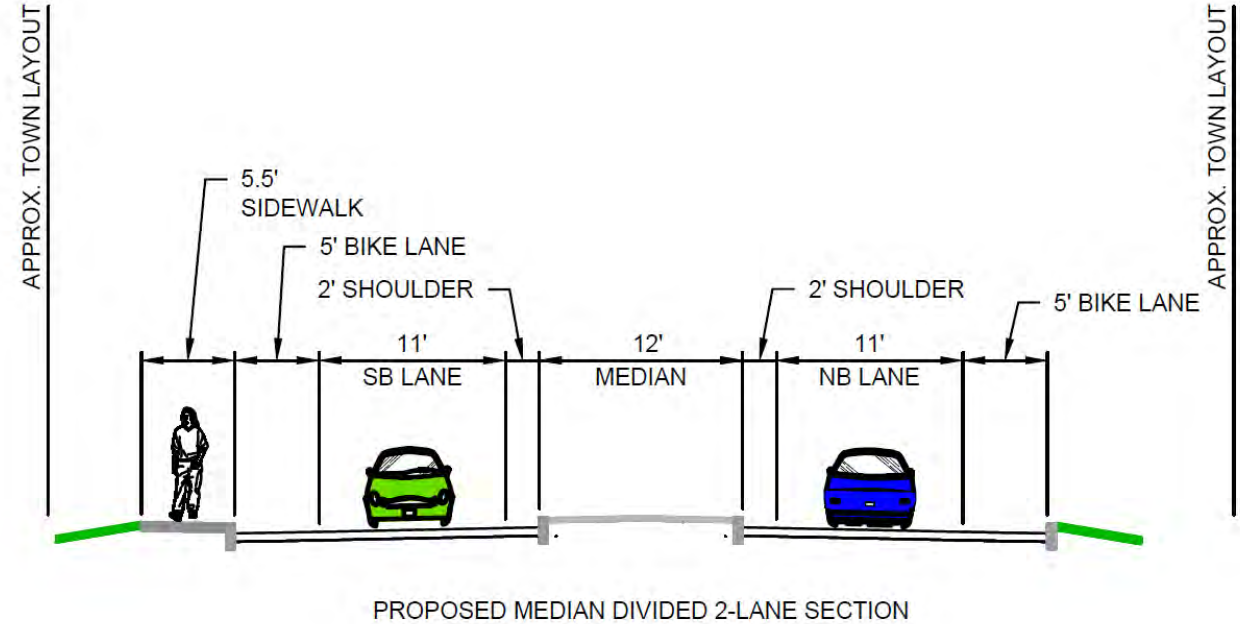
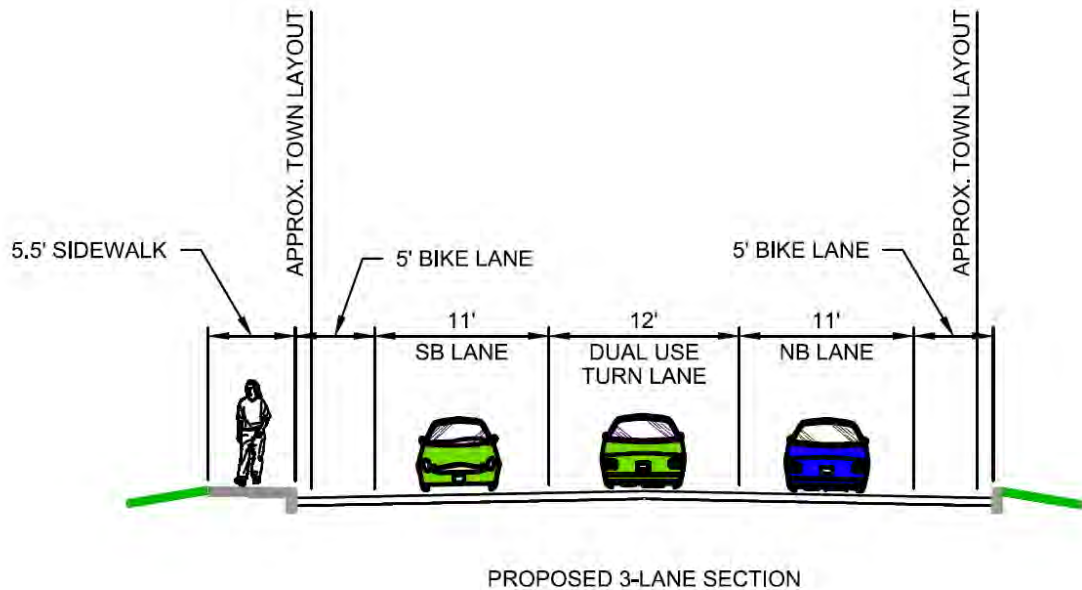
### Design Year 2045

- Assumed 1% Background Growth (Winchester St, Matthews Rd & Bradco St)
- Assumed 0.25% Growth on Minor Side Roads (Kit St, Fairbanks St, Wetmore st, Lucinda Ter. & Buffam Rd)
- Assumed Redevelopment of Open Space on Krif Road (~300 additional peak hour trips)
- Evaluated Configurations based on Project Traffic.



## Alternatives Development

### Corridor Alternatives





# Alternatives Development

## Krif Road Area





# Alternatives Development

## Krif Road Area







# Alternatives Development

## Matthews Road & Bradco Street Area





## Lower Winchester Street Reconstruction Project



# Alternatives Development

## Matthews Road & Bradco Street Area





## Lower Winchester Street Reconstruction Project

# Alternatives Development

## West Swanzy Road Area





## Phase 1 Schedule

October 2022	Public Listening Sessions
Winter 2022/2023	Alternatives Development
February 2023	Steering Committee Working Meeting
March 2023	Steering Committee Alternatives Review
April 2023	Steering Committee Selection of Preferred Alternative
June 2023	City Council Presentation
July 2023	MSFI Committee/Public Informational Meeting
August 2023	City Council Meeting
September 2023	Prepare Engineering Study Report



# Lower Winchester Street Reconstruction Project



**QUESTIONS?**