



# LINCOLN STREET CORRIDOR

## PROPOSED SAFETY IMPROVEMENTS



# AGENDA



- Introductions
- Known resident concerns / current conditions
- Proposal
- Benefits and tradeoffs
- Resident feedback
- Closing questions and remarks
- Potential next steps



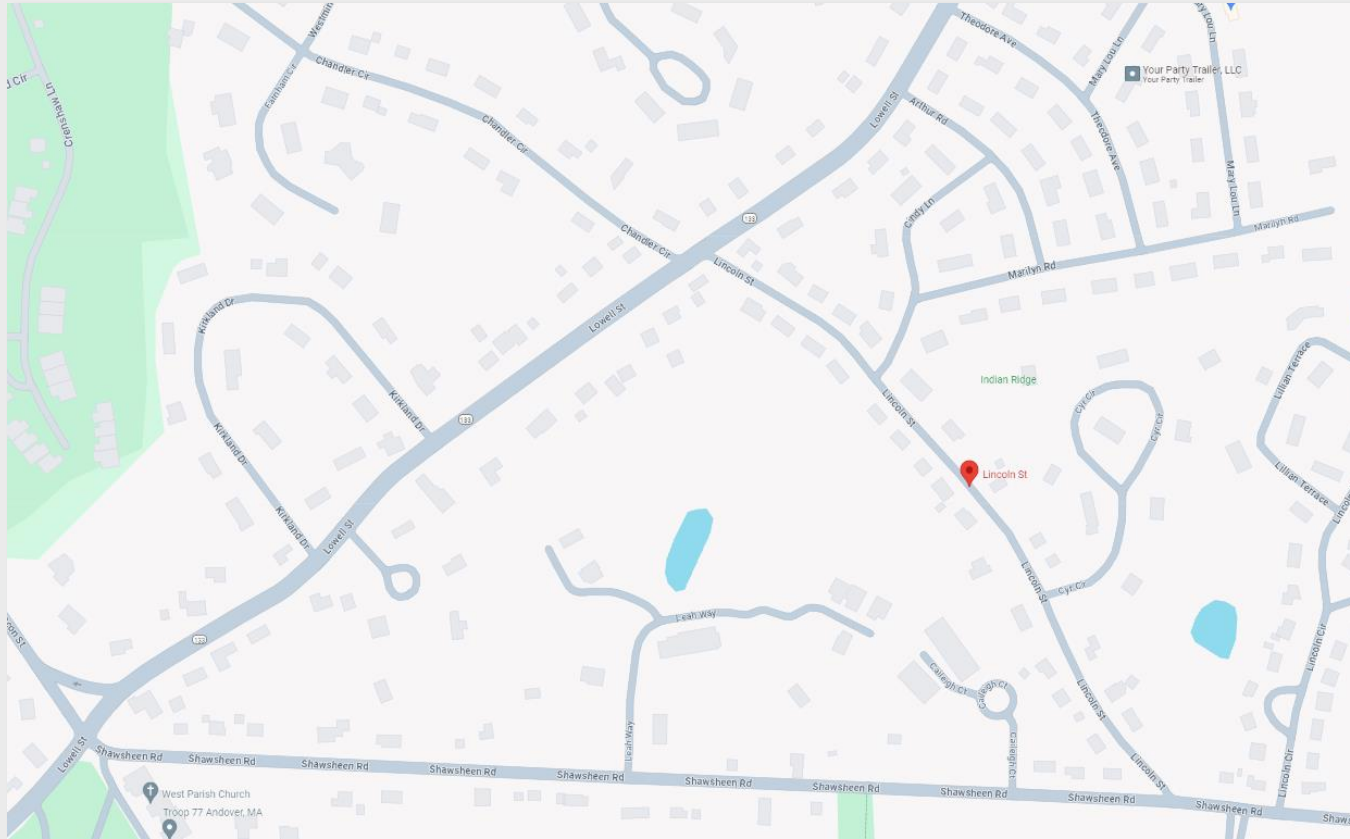
## **Town Manager's Office**

## **Public Safety**

## **DPW**

## **Planning Division**

# KNOWN RESIDENT CONCERNS



- Speed
- Pedestrian Safety
- Bike Safety

## Lincoln Street

Functional Class	Local
Urbanized Area	Boston (MA-NH-RI)
Urban Type	Large Urbanized Area
Speed Limit	25 MPH
AADT	1,154
Road Width	Variable

# RESIDENT COMMENTS



- “One Way in Morning Must Be Enforced, add physical barrier.”
- “It would be fabulous if the sidewalks could be finished at the end of Lincoln Street to accommodate all the children at two schools, plus neighborhood who use Lincoln Street.”
- “School access must have sidewalks”
- “allow bikes to use Lincoln st in morning so that kids can safely bike to AHS/WMS”
- “Cut-through traffic”
- “Need sidewalks for students walking to school”
- “Very dangerous for students walking to school”
- “Speeding”

# PROPOSAL – SHARED USE PATH



- Construction Cost: \$550,000
- Already under evaluation by DPW, highlighted during Complete Streets process
- Provides increased access to Andover High School & West Middle School
- Closes key network gap between Lowell Street and Shawsheen Road
- Potential impacts to trees, private properties, and drainage could increase residential impacts and costs significantly. To minimize these impacts, this proposal would reallocate some roadway width and convert Lincoln St to one way





LOWELL STREET

MARILYN ROAD

MATCHING  
SEE SHEET 2

TOWN OF ANDOVER, MA  
ANDOVER, MA 01810

SHARED USE PATH  
LINCOLN STREET

ARTHUR G. MARTINS III  
TOWN ENGINEER

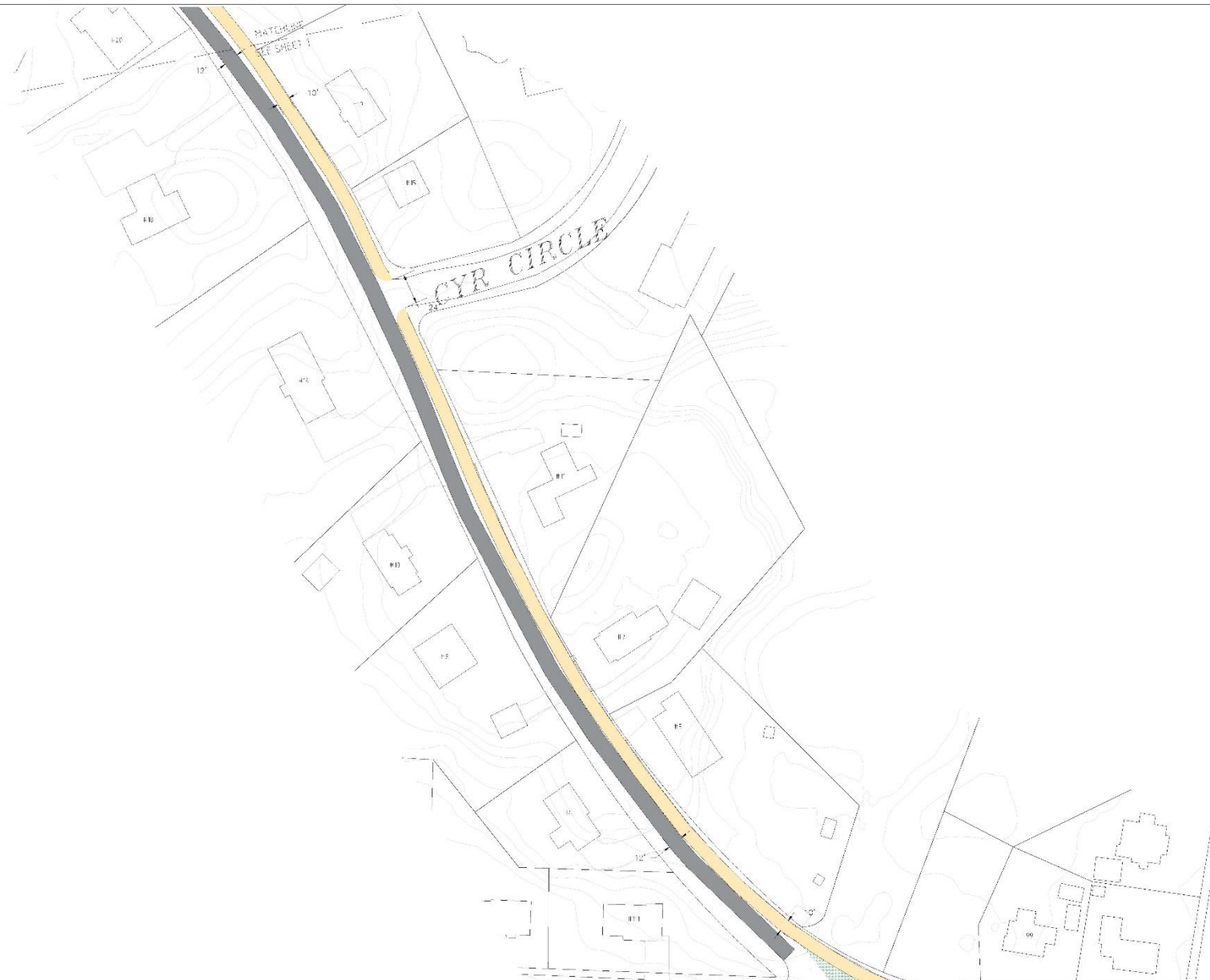
4/9/2024  
SCALE: 1"=40'  
SHEET 1 OF 2



REVISIONS		
DATE	BY	DESCRIPTION

DRAWN BY: JZA

PROFESSIONAL ENGINEER



SHAWSHEEN ROAD

TOWN OF ANDOVER, MA

ANDOVER, MA 01810

SHARED USE PATH  
LINCOLN STREET

ARTHUR G. MARTINEAU II  
TOWN ENGINEER

4/5/2024  
SCALE: 1"=40'  
SHEET 1 OF 2



REVISIONS		
DATE	CH. BY	DESCRIPTION

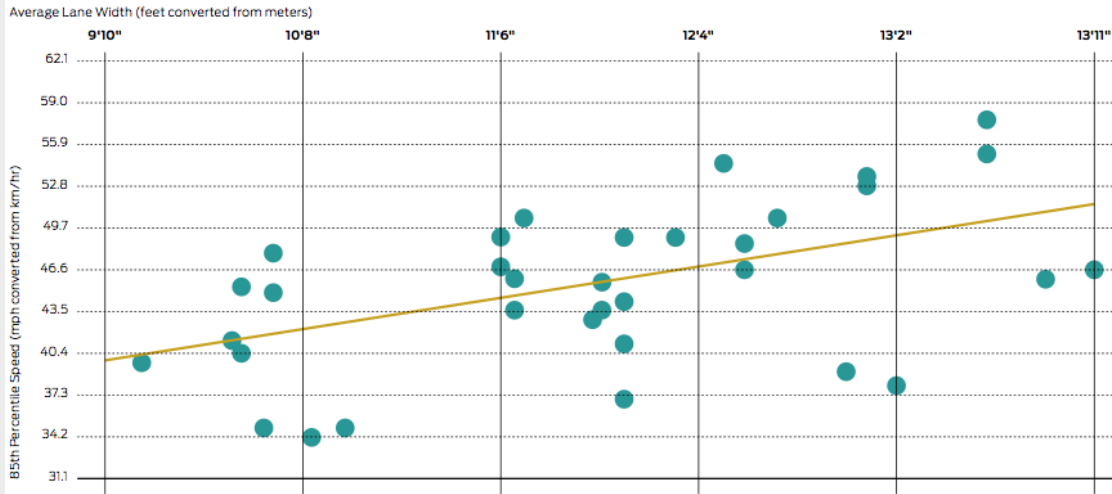
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PROFESSIONAL ENGINEER

# SPEED



**Wider travel lanes are correlated with higher vehicle speeds.**

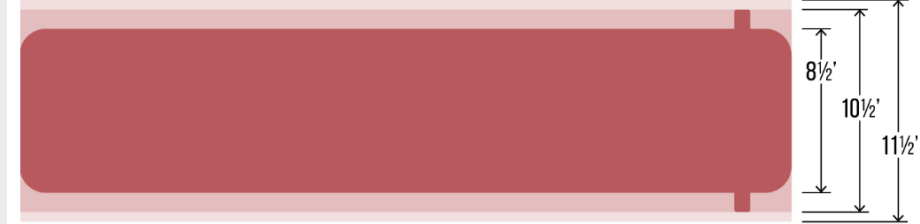


"As the width of the lane increased, the speed on the roadway increased... When lane widths are 1 m (3.3 ft) greater, speeds are predicted to be 15 km/h (9.4 mph) faster."

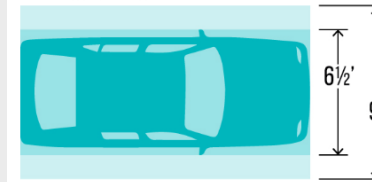
Chart source: Fitzpatrick, Kay, Paul Carlson, Marcus Brewer, and Mark Wooldridge, 2000. "Design Factors That Affect Driver Speed on Suburban Streets." *Transportation Research Record* 1751: 18-25.

National Association of City Transportation Officials

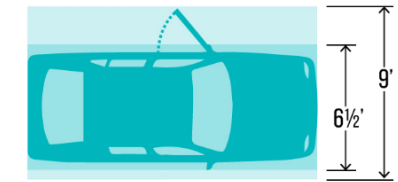
**STANDARD 40' BUS**



**MID-SIZE CAR**



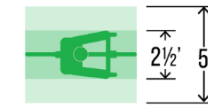
**PARKED CAR**



**BOX TRUCK**



**BICYCLIST**



National Association of City Transportation Officials

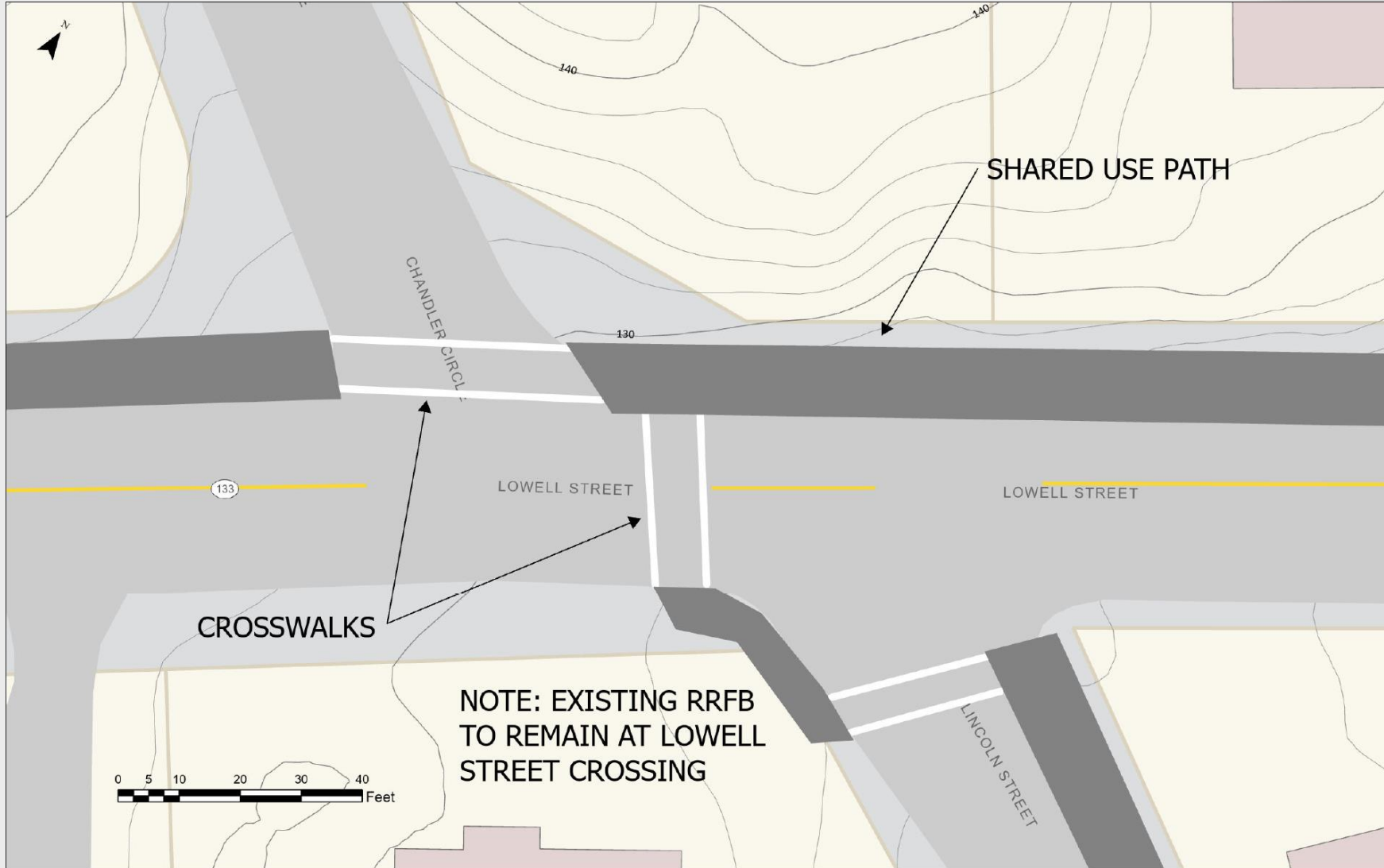
Propose narrowing lane width to 12 feet of pavement with painted lanes of 11 ft.

This encourages lower speeds, while also allowing delivery and emergency vehicles.

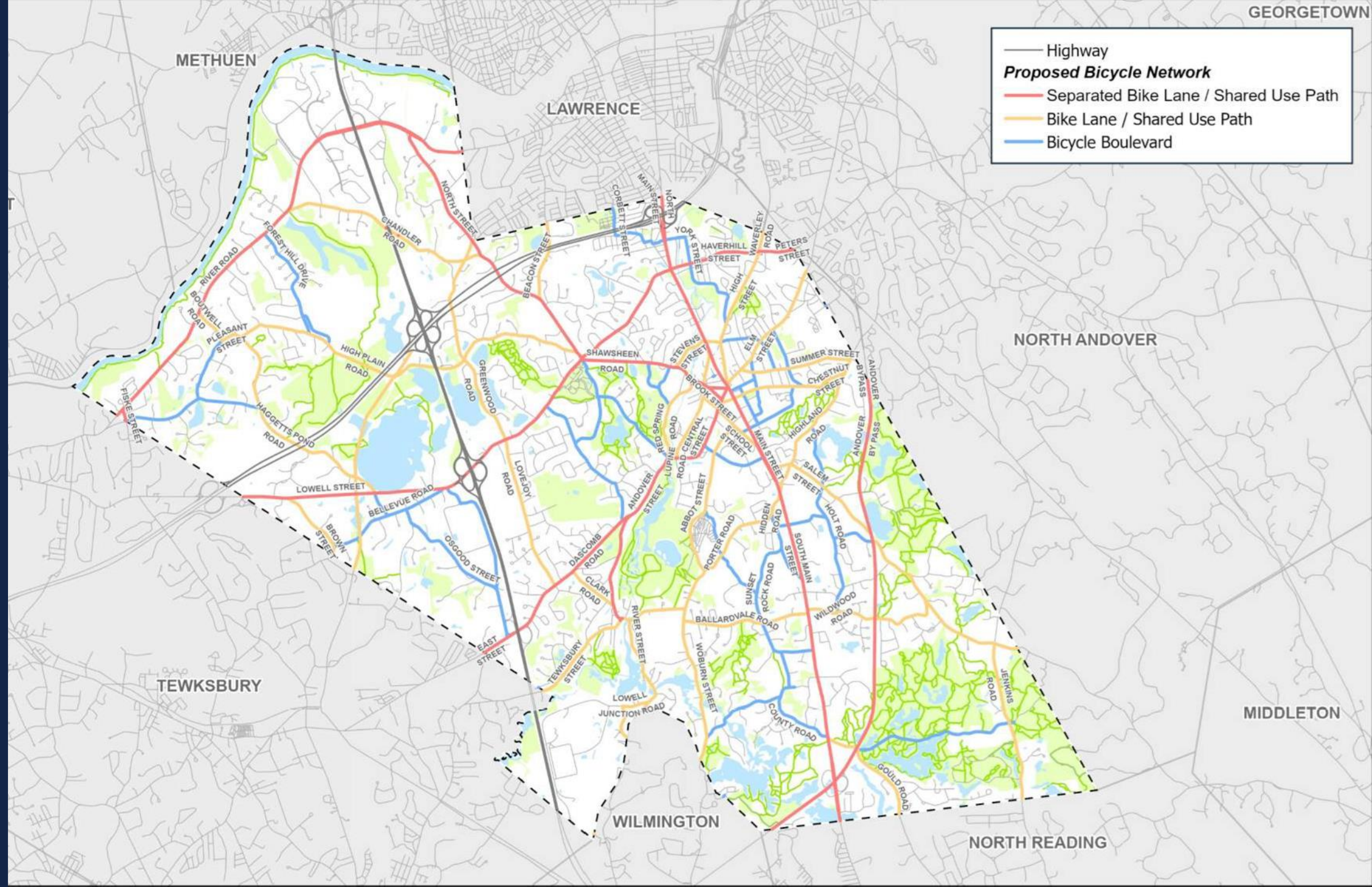




# PEDESTRIAN SAFETY



BICYCLE SAFETY



# QUESTIONS

