

Woodbury Avenue Revised Traffic Calming Plan

- ▶ Public Meeting
- ▶ March 30th, 2023



Meeting Agenda

- ▶ Introductions
- ▶ Woodbury Avenue Existing Conditions
- ▶ Previous Proposed Traffic Calming Measures
- ▶ Feedback from Last Meeting
- ▶ Currently Proposed Traffic Calming Measures
- ▶ Recent Crosswalk Requests
- ▶ Next Steps
- ▶ Questions and Comments

Woodbury Avenue Existing Conditions

- ▶ 2001 - 10,500 ADT
- ▶ 2022~7,000 average daily traffic volume
60%/40% Southbound/Northbound split

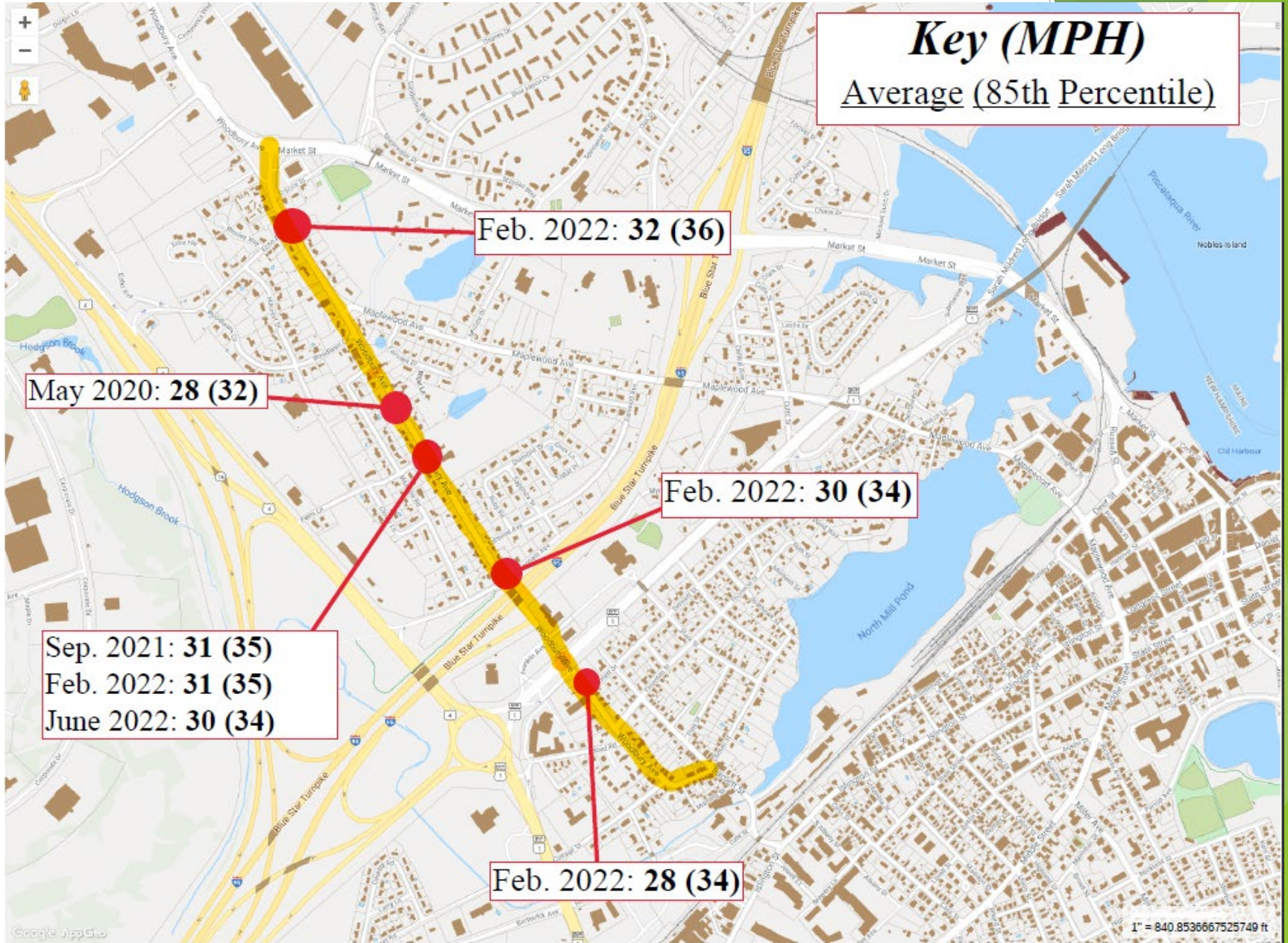
- ▶ Posted Speed Limit 25 MPH
- ▶ City's 2017 Complete Streets Design Guidelines show a 25 MPH target speed for Woodbury Avenue

- ▶ Actual Speeds
 - ▶ Average range 28-32 MPH
 - ▶ 85th percentile 32-36 MPH

- ▶ Meets traffic calming warrants
 - ▶ 85th Percentile speeds are \geq 7-10 MPH over posted limit
 - ▶ Average speeds are \geq 5 MPH over posted limit
 - ▶ 5% of speeds are \geq 10 MPH over posted limit

- ▶ 35 accidents from 2018-2022, from Granite Street to Bartlett Street. No more than one per year on average at highest locations. Not a high crash experience.

Speed Data Collection Points



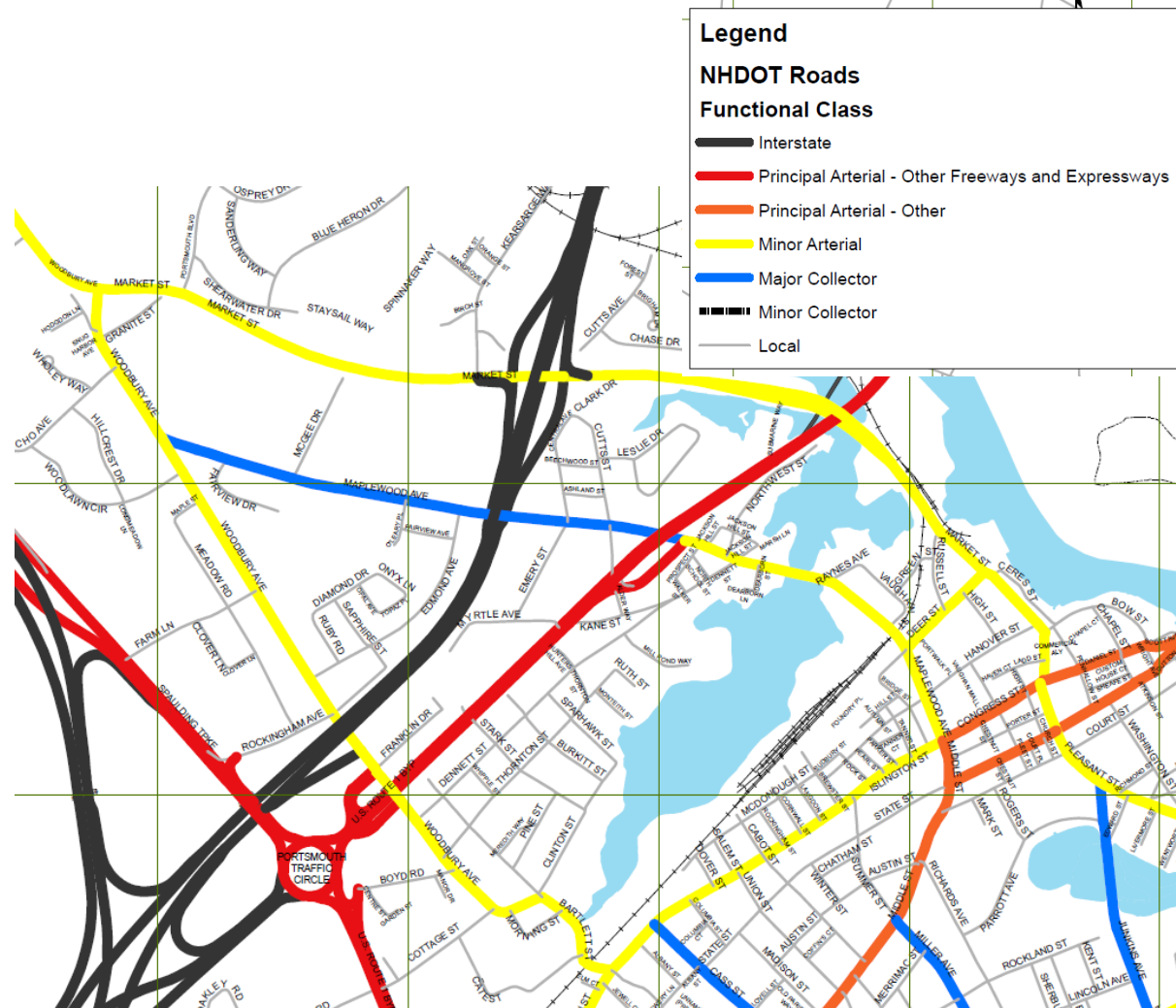
Woodbury Avenue Existing Conditions

► Functional Classification

-Minor Arterial

Designed to move large volumes of longer-distance traffic between important centers of activity. A minor arterial places more emphasis on providing land access than a principal arterial.

- Backbone of City's traffic network
- Speed humps typically not recommended

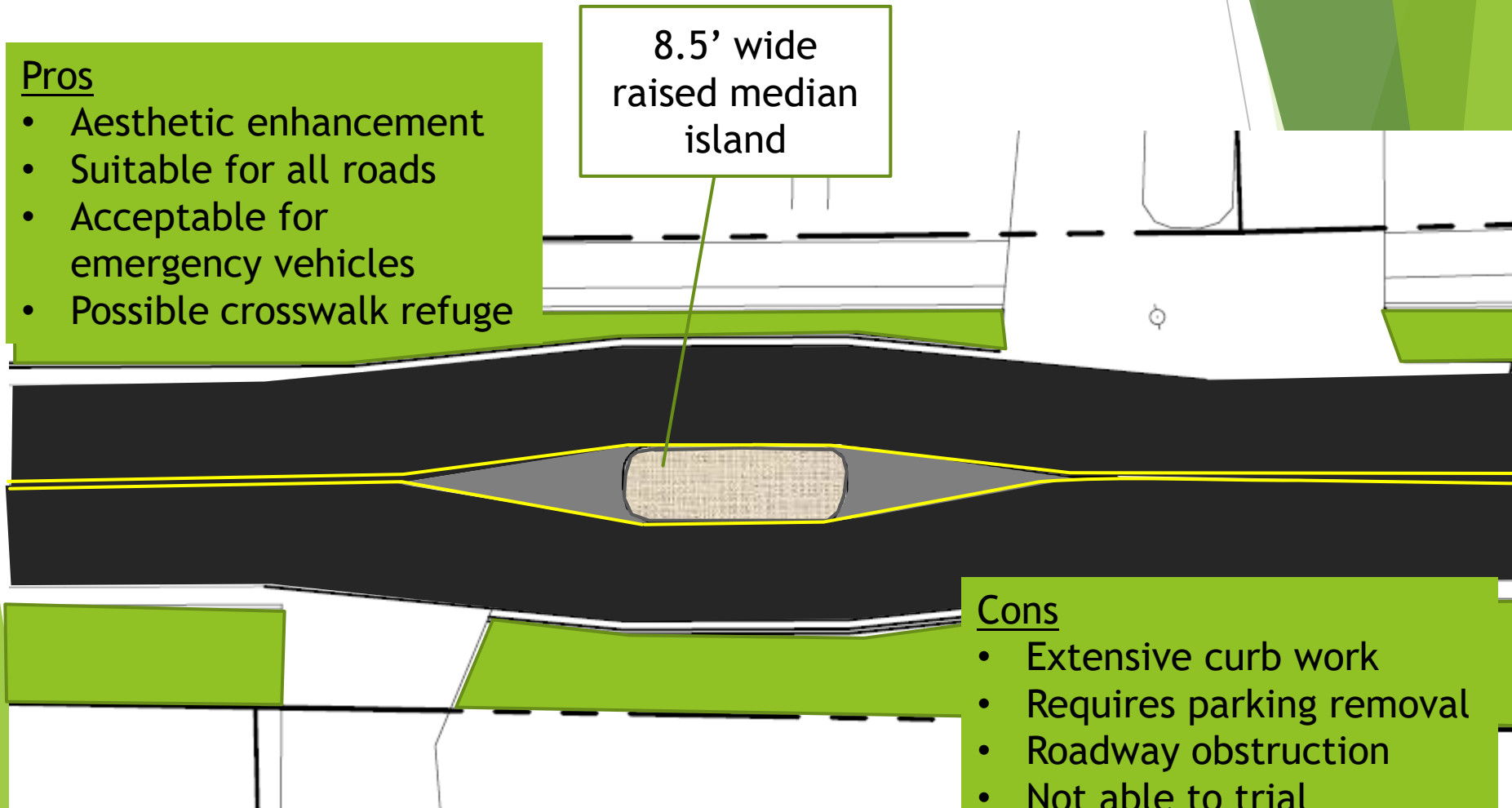


Previously Proposed Traffic Calming Measures

Pros

- Aesthetic enhancement
- Suitable for all roads
- Acceptable for emergency vehicles
- Possible crosswalk refuge

8.5' wide
raised median
island



Cons

- Extensive curb work
- Requires parking removal
- Roadway obstruction
- Not able to trial

Last Meeting Feedback

- ▶ Don't want to lose parking
- ▶ Islands will obstruct driveways
- ▶ Speed humps preferred
- ▶ Are speed humps not allowed, or just not recommended on arterial roads?
- ▶ Concern of costs vs alternatives
- ▶ Can't be trialed
- ▶ Possible loss of trees

Upon Further Review

Woodbury Avenue Not a Typical Arterial

Characteristic	Typical Arterial Roadway	Woodbury Avenue
High Truck Traffic	✓	✗
High Bus Traffic	✓	✗
Speeds Over 40 MPH	✓	✗
4 lanes of traffic	✓	✗
Parallel Local Roads	✓	✗
High Traffic Volumes	✓	✓
Emergency Response Route	✓	✓

Therefore, speed cushions could be suitable.

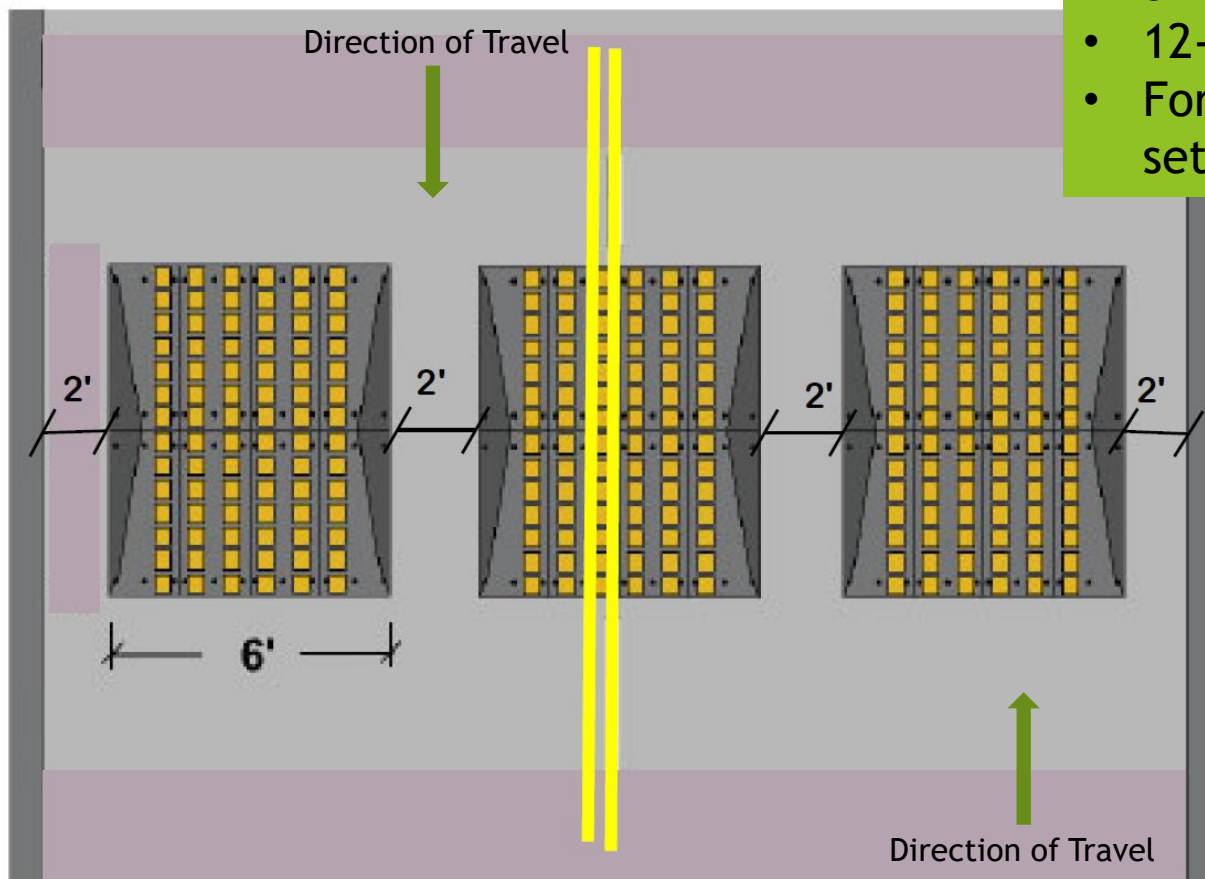
Currently Proposed Traffic Calming Measures

Speed Cushions



Currently Proposed Traffic Calming Measures

Speed Cushion Specifications



- 3 inches tall
- 12-14 feet long
- For speeds of 25 MPH, set 300-400 feet apart

Speed Cushion Pros and Cons

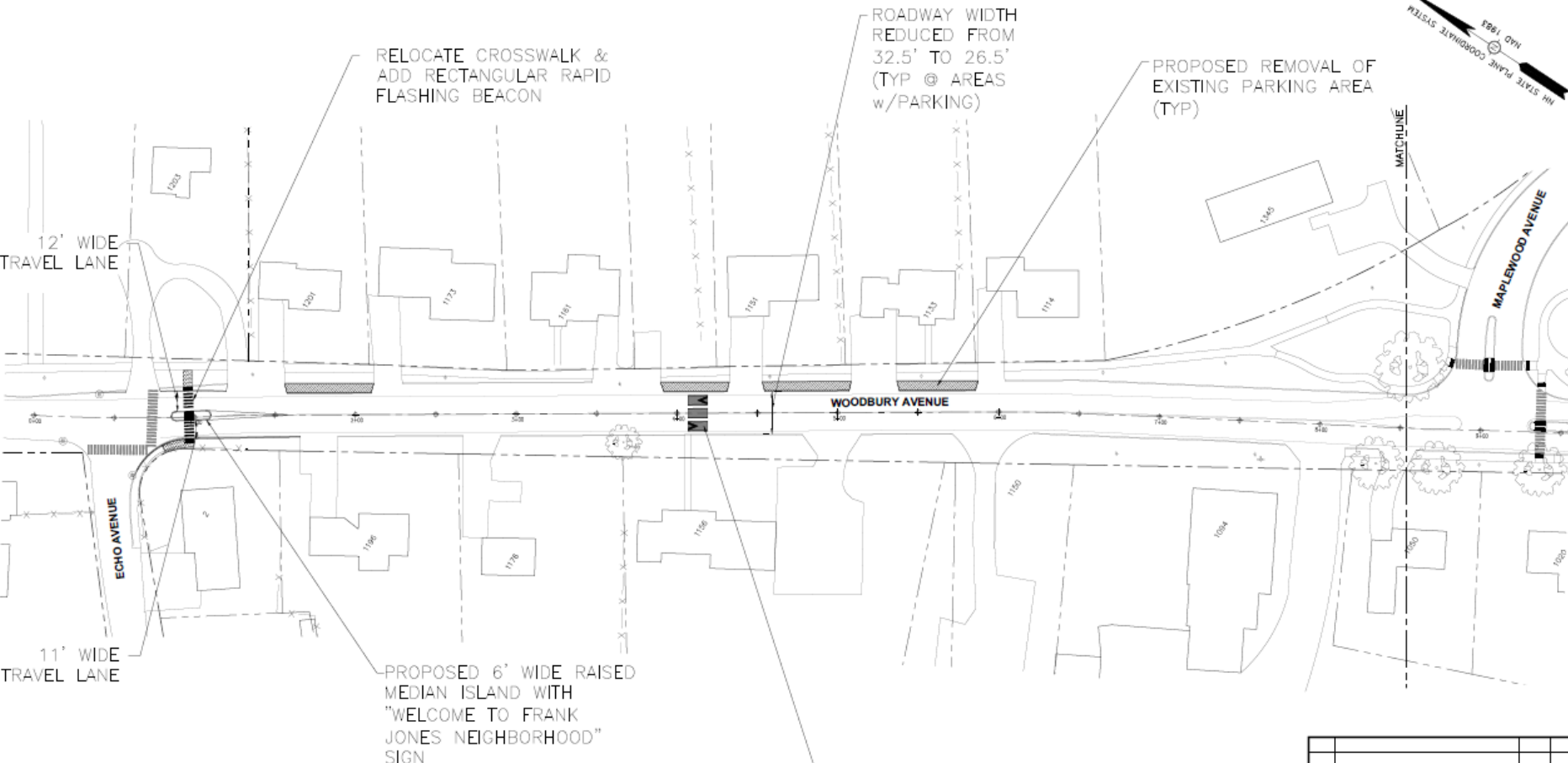
PROS

- Effective at reducing speeds and maintaining consistent speeds
- Accommodates all users, including emergency services, school buses, garbage trucks, delivery trucks, motorcycles, bicycles
- Don't impact drainage
- Little to no impact on parking
- Temporary units can be quickly implemented on a trial basis
- Less expensive than other measures such as bump outs and islands
- Successfully used in over half the states in U.S., including areas with significant snowfall

CONS

- Possible noise impacts
- Some police and ambulance vehicles can't fully straddle
- Can be harder to build and maintain
- Aesthetics of humps, signs and markings

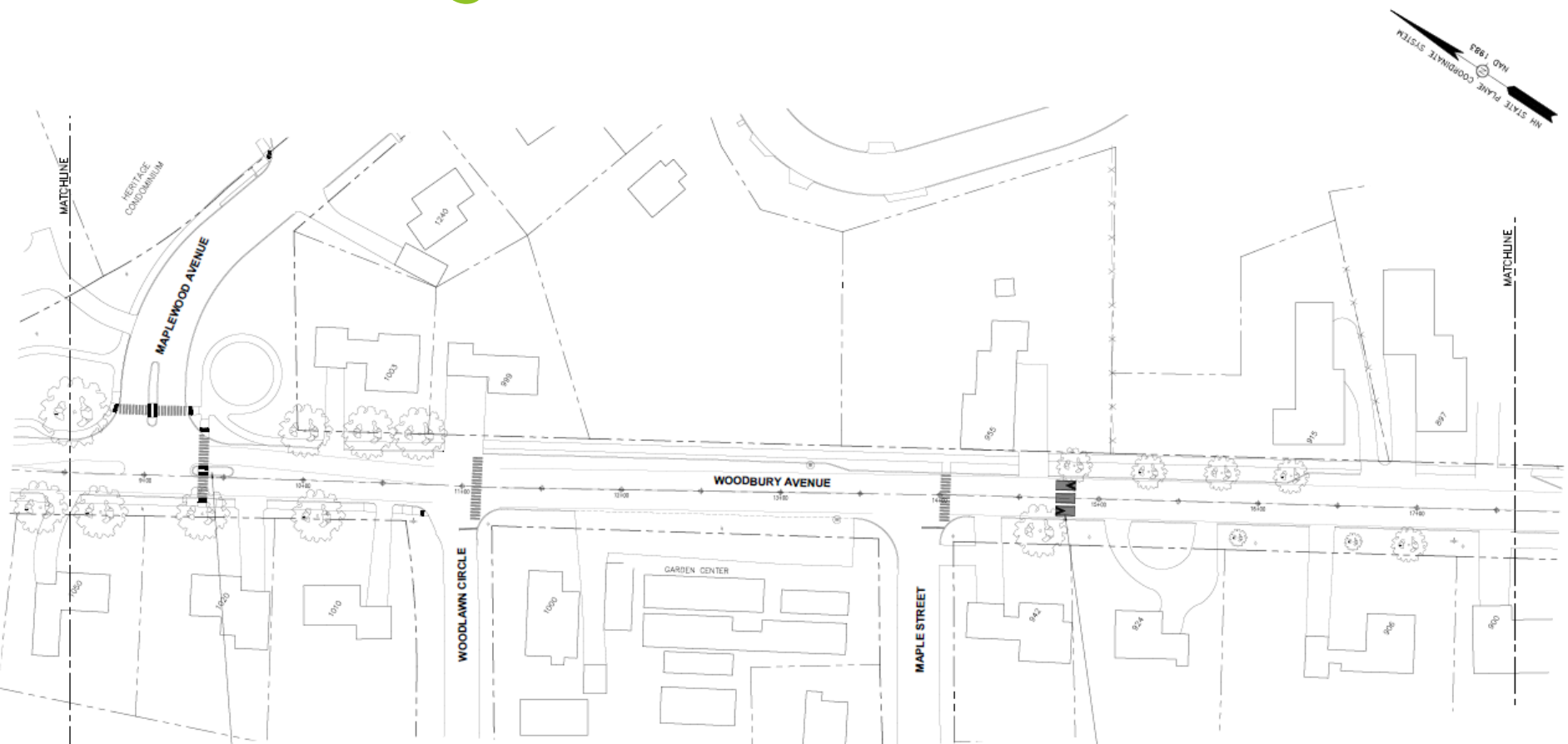
Currently Proposed Traffic Calming Measures



C	MARCH P.T.S. MEETING	MRS 3/7/23
B	PUBLIC MEETING & FEBRUARY P.T.S.	MRS 1/26/23
A	FINAL REVIEW	MRS 1/20/23
NO.	REVISIONS	APP'D. DATE
PROJECT: WOODBURY AVENUE TRAFFIC CALMING		
TITLE: ROADWAY LAYOUT PLAN		
DRAWING SCALE:	AS SHOWN	DATE: JANUARY 2023
PROJECT NO.:	7247	SHEET: C-101
APPROVED BY:	MRS	



Currently Proposed Traffic Calming Measures



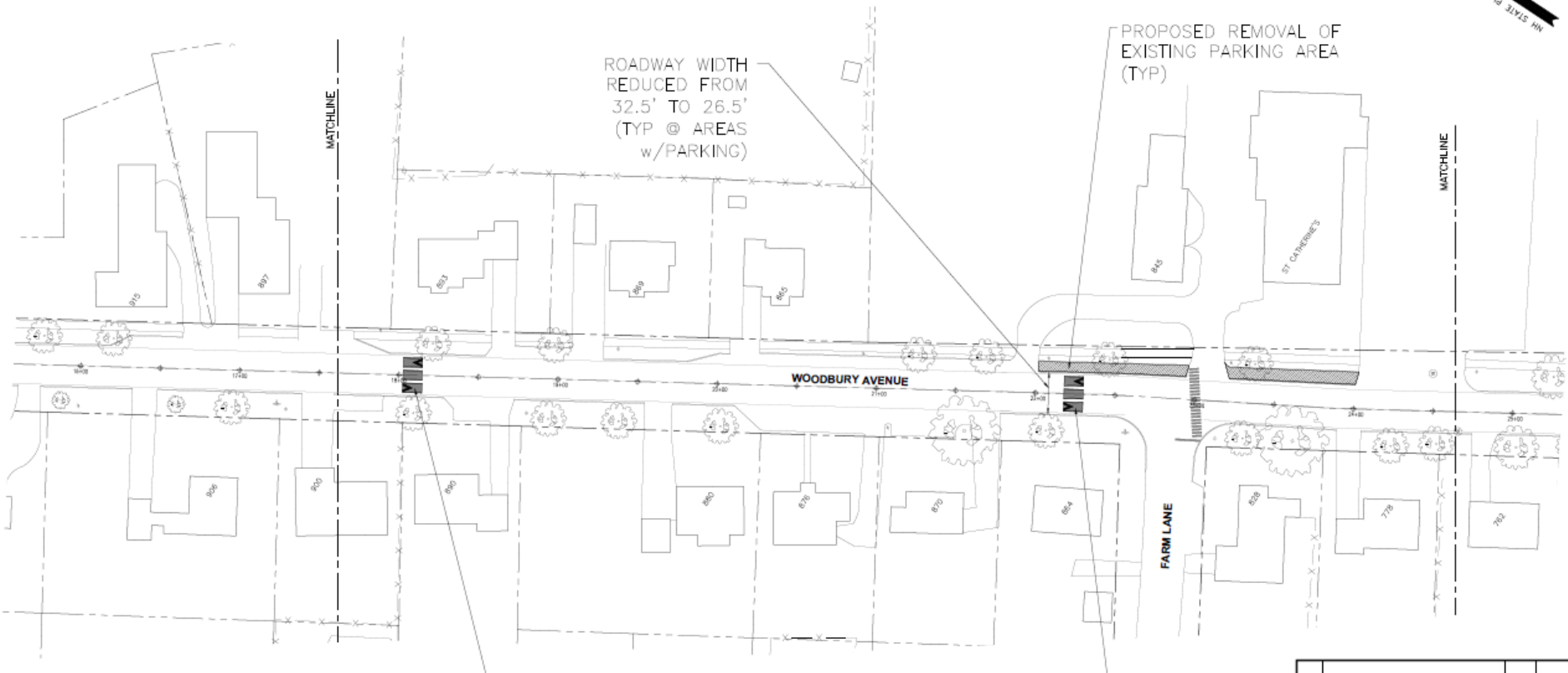
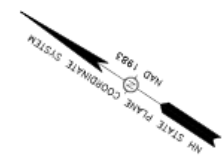
EXISTING RAISED MEDIAN ISLAND WITH RRFB

PROPOSED SPEED CUSHION



C	SEARCH P.T.S. MEETING	MRS 3/7/23
B	PUBLIC MEETING & FEBRUARY P.T.S.	MRS 1/26/23
A	INTERNAL MEETING	MRS 1/20/23
NO.	REVISIONS	APP'D. DATE
PROJECT:	WOODBURY AVENUE TRAFFIC CALMING	
TITLE:	ROADWAY LAYOUT PLAN	
DRAWN BY:	AS SHOWN	DATE: JANUARY 2023
PROJECT NO.:	7247	SHEET:
APPROVED BY:	MRS	C-102

Currently Proposed Traffic Calming Measures



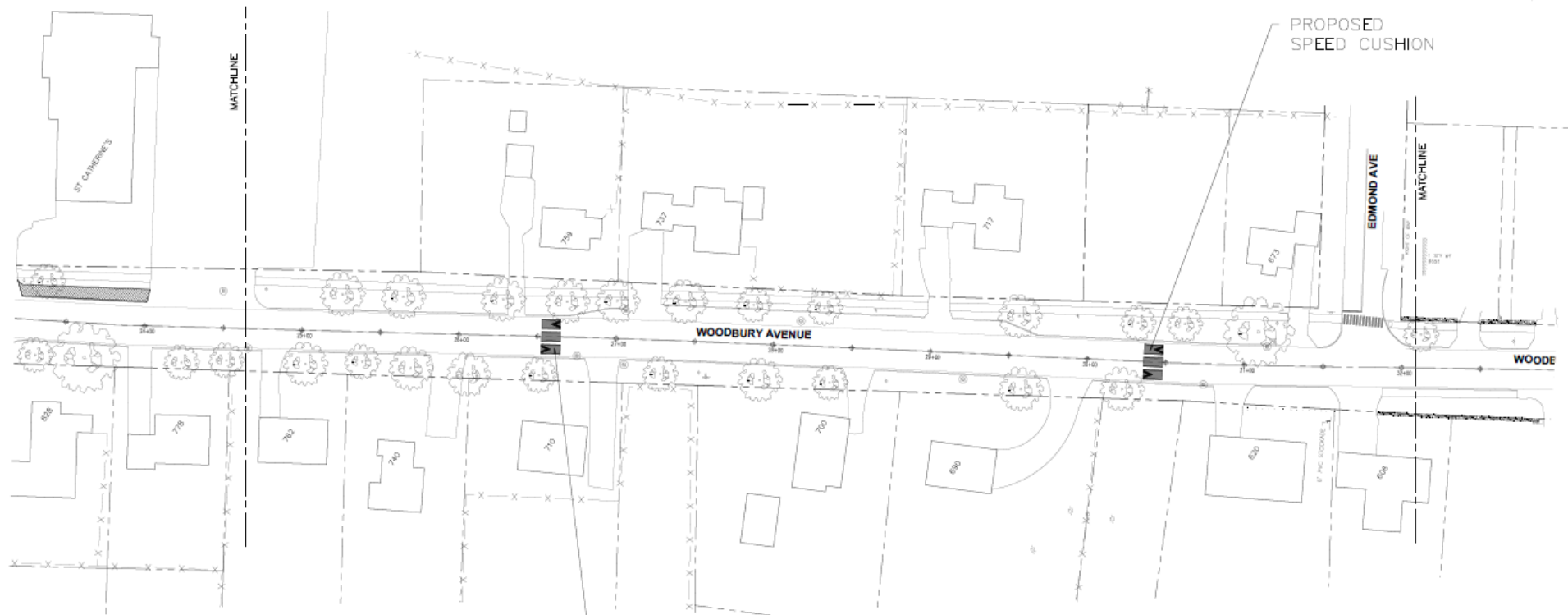
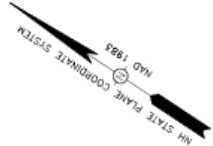
PROPOSED SPEED CUSHION

PROPOSED SPEED CUSHION



NO.	REVISIONS	DATE
C	MARCH P.T.S. MEETING	MRB 3/7/23
B	PUBLIC MEETING & FEBRUARY P.T.S.	MRB 1/26/23
A	FINAL REVIEW	MRB 1/20/23
PROJECT: WOODBURY AVENUE TRAFFIC CALMING		
TITLE: ROADWAY LAYOUT PLAN		
DRAWING SCALE: AS SHOWN	DATE: JANUARY 2023	
PROJECT NO: 7247		
APPROVED BY: MRB		

Currently Proposed Traffic Calming Measures



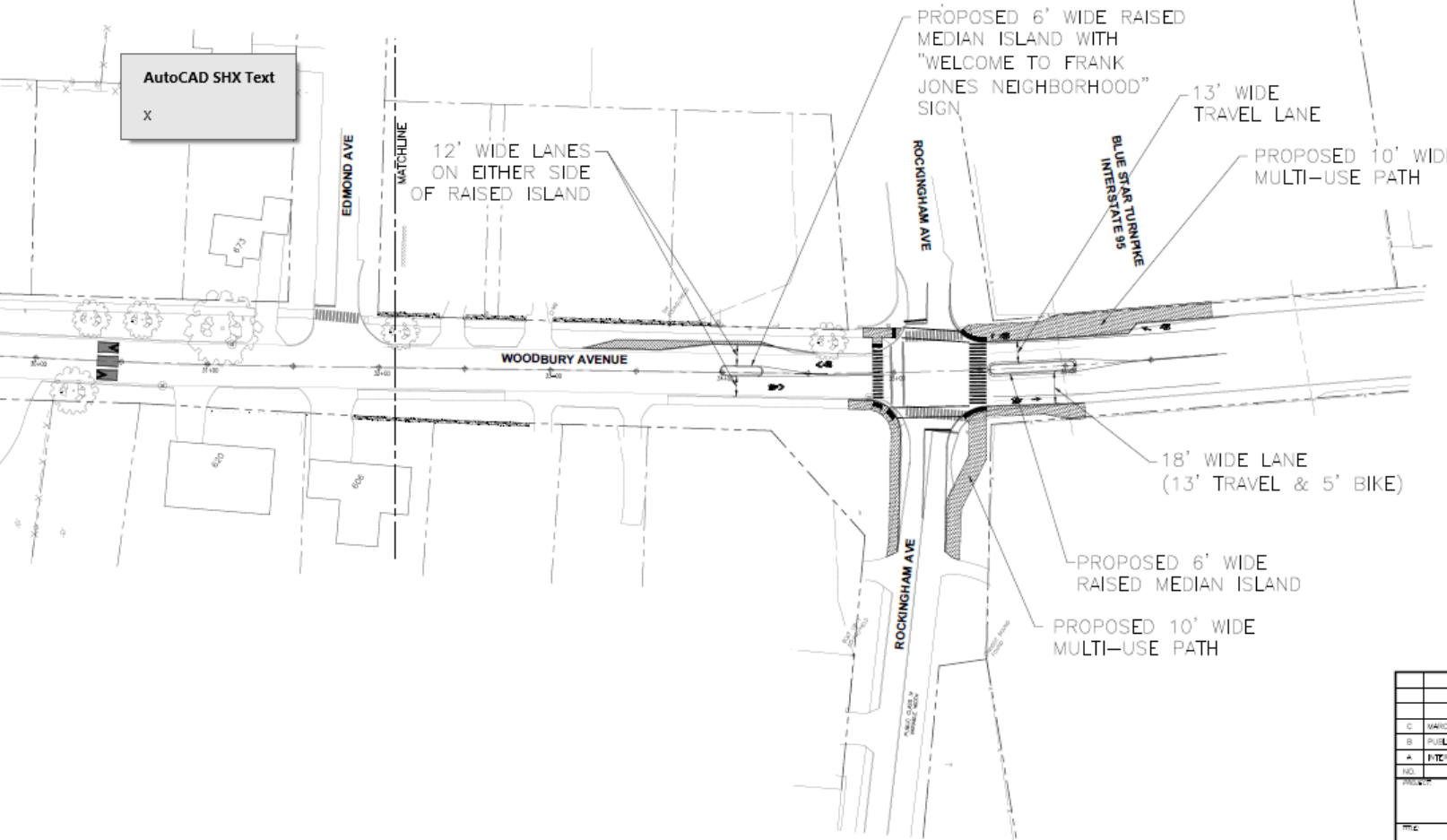
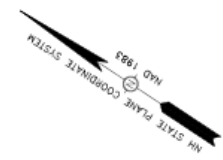
PROPOSED SPEED CUSHION

PROPOSED SPEED CUSHION



NO.	REVISIONS	APP'D	DATE
C	MARCH P.T.S. MEETING	MRB	3/7/23
B	PUBLIC MEETING & FEBRUARY P.T.S.	MRB	1/26/23
A	FINAL DESIGN	MRB	1/20/23
PROJECT: WOODBURY AVENUE TRAFFIC CALMING			
TITLE: ROADWAY LAYOUT PLAN			
DRAWING SCALE:	AS SHOWN	DATE:	JANUARY 2023
PROJECT NO.:	7247		
APPROVED BY:	MRB	C-104	

Currently Proposed Traffic Calming Measures

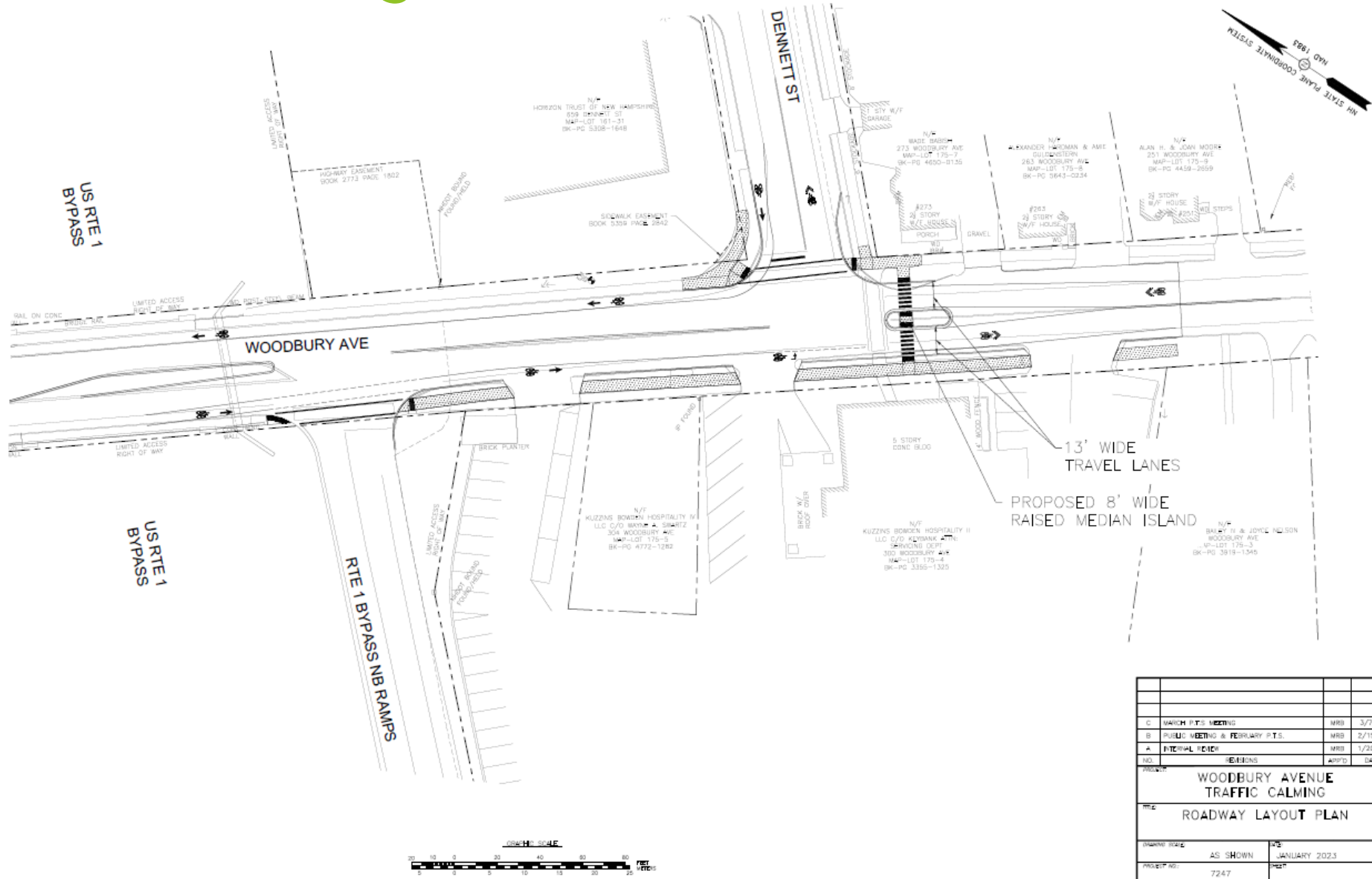


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NO.	REVISIONS	APPROV	DATE
PROJECT: WOODBURY AVENUE TRAFFIC CALMING			
TITLE: ROADWAY LAYOUT PLAN			
DRAWING DATE:	AS SHOWN	DATE:	JANUARY 2023
PROJECT NO.:	7247		
APPROVED BY:	MRB	C-105	

Currently Proposed Traffic Calming Measures



C	WARCH P.T.S. MEETING	MRO	3/7/23
B	PUBLIC MEETING & FEBRUARY P.T.S.	MRO	2/15/23
A	FINAL REVIEW	MRO	1/26/23
NO.	REVISIONS	APPRO	DATE
PROJECT: WOODBURY AVENUE TRAFFIC CALMING			
TITLE: ROADWAY LAYOUT PLAN			
DRAWING SCALE:	AS SHOWN	DATE:	JANUARY 2023
PROJECT NO.:	7247	FILE#:	
APPROVED BY:	MRO	C-106	

Recent Crosswalk Requests

- ▶ Petition to add crosswalk/island at Edmond Avenue intersection
- ▶ Request to add crosswalks between Maplewood Avenue and Echo Avenue
 - ▶ Upgraded pedestrian signage will be installed
 - ▶ Will evaluate need for crosswalks after speed cushions are installed.
 - ▶ Crosswalks with low pedestrian volumes can result in false sense of security, less safe

Next Steps

- ▶ City Staff report back at April 6 Parking and Traffic Safety Committee meeting on tonight's feedback and input
- ▶ Parking and Traffic Safety Committee recommendation to City Council
- ▶ City Council decision
- ▶ Trial using temporary cushions to inform final design
- ▶ Implementation of permanent measures 2024

Questions and Comments

The background features abstract, overlapping green geometric shapes in various shades, including light lime green, medium green, and dark forest green. These shapes are primarily located on the right side of the slide, creating a modern, layered effect. The text 'Questions and Comments' is positioned in the upper left quadrant of the white background.