

SELECTMEN'S MEETING  
Wednesday, March 16, 2016  
Hudson Room, Cary Memorial Building  
6:45 PM

**AGENDA**

**PUBLIC COMMENTS**

Public comments are allowed for up to 10 minutes at the beginning of each meeting. Each speaker is limited to 3 minutes for comment. Members of the Board will neither comment nor respond, other than to ask questions of clarification. Speakers are encouraged to notify the Selectmen's Office at 781-698-4580 if they wish to speak during public comment to assist the Chairman in managing meeting times.

**SELECTMAN CONCERNS AND LIAISON REPORTS**

**TOWN MANAGER REPORT**

**ITEMS FOR INDIVIDUAL CONSIDERATION**

1. Tourism Request - Present at Town Meeting (5 min.) 6:45 PM
2. Woburn Street/Winthrop Road/ Fletcher Avenue Neighborhood Traffic Study (45 min.) 6:50 PM

**ADJOURN**

1. Approximately Adjourn Time 7:35 PM

*Hearing Assistance Devices Available on Request  
All agenda time and the order of items are approximate and  
subject to change.*



# **AGENDA ITEM SUMMARY**

## **LEXINGTON BOARD OF SELECTMEN MEETING**

### **AGENDA ITEM TITLE:**

Tourism Request - Present at Town Meeting (5 min.)

### **PRESENTER:**

Dawn McKenna, Tourism Committee

### **ITEM NUMBER:**

I.1

### **SUMMARY:**

Ms. McKenna will be at your meeting to request time to speak at the Annual Town Meeting under Reports.

### **SUGGESTED MOTION:**

### **FOLLOW-UP:**

### **DATE AND APPROXIMATE TIME ON AGENDA:**

3/16/2016

6:45 PM

# AGENDA ITEM SUMMARY

## LEXINGTON BOARD OF SELECTMEN MEETING

### AGENDA ITEM TITLE:

Woburn Street/Winthrop Road/ Fletcher Avenue Neighborhood Traffic Study (45 min.)

### PRESENTER:

Dave Cannon, Assistant Town  
Engineer; Tracie Lenhardt and Laura  
Castelli, VHB

### ITEM NUMBER:

I.2

### SUMMARY:

You will receive a presentation on the Woburn Street/Winthrop Road/ Fletcher Avenue Neighborhood Traffic Study's purpose, existing conditions, existing volumes with proposed improvements and an evaluation of potential mitigation.

### SUGGESTED MOTION:

### FOLLOW-UP:

### DATE AND APPROXIMATE TIME ON AGENDA:

3/16/2016

6:50 PM

### ATTACHMENTS:

Description	Type
☐ Woburn Street/Winthrop Road/Fletcher Avenue Neighborhood Study	Presentation




# Woburn Street/Winthrop Road/Fletcher Avenue Neighborhood Study

Presented by  
Laura Castelli - VHB

March 2016

# Agenda

- Purpose
  - Existing Conditions
  - Existing Volumes with Proposed Improvements
  - Potential Mitigation to be Evaluated
- 

# Purpose

- NOT a critique of the proposed projects
- Conduct a review of existing conditions and existing volumes with proposed improvements in terms of:
  - Traffic mobility
    - Vehicle
    - Pedestrian
    - Bicycle
  - Potential for “cut-through” traffic associated with the recently proposed improvements
- Focus on neighborhood operations related to the proposed improvements

# Existing Conditions



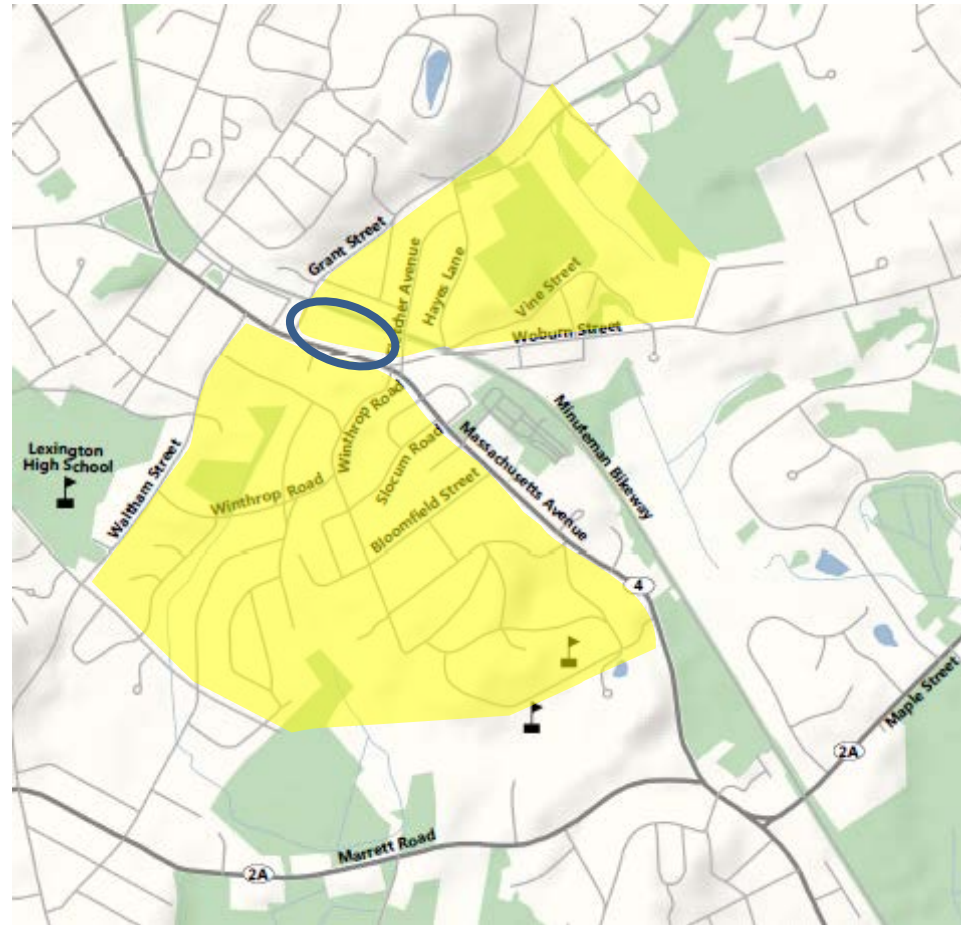
# Existing Conditions – Primary Concerns Expressed by Neighbors

- “Cut-through” traffic on:
  - Vine Street
  - Sheridan Street
  - Hayes Lane
  - Fletcher Ave via Grant St
  - Winthrop Road
  - Slocum Road
  - Bloomfield Street
- “Cut-through” traffic in the town parking lot
- Increase in neighborhood cut-through traffic with the implementation of the planned signal installation



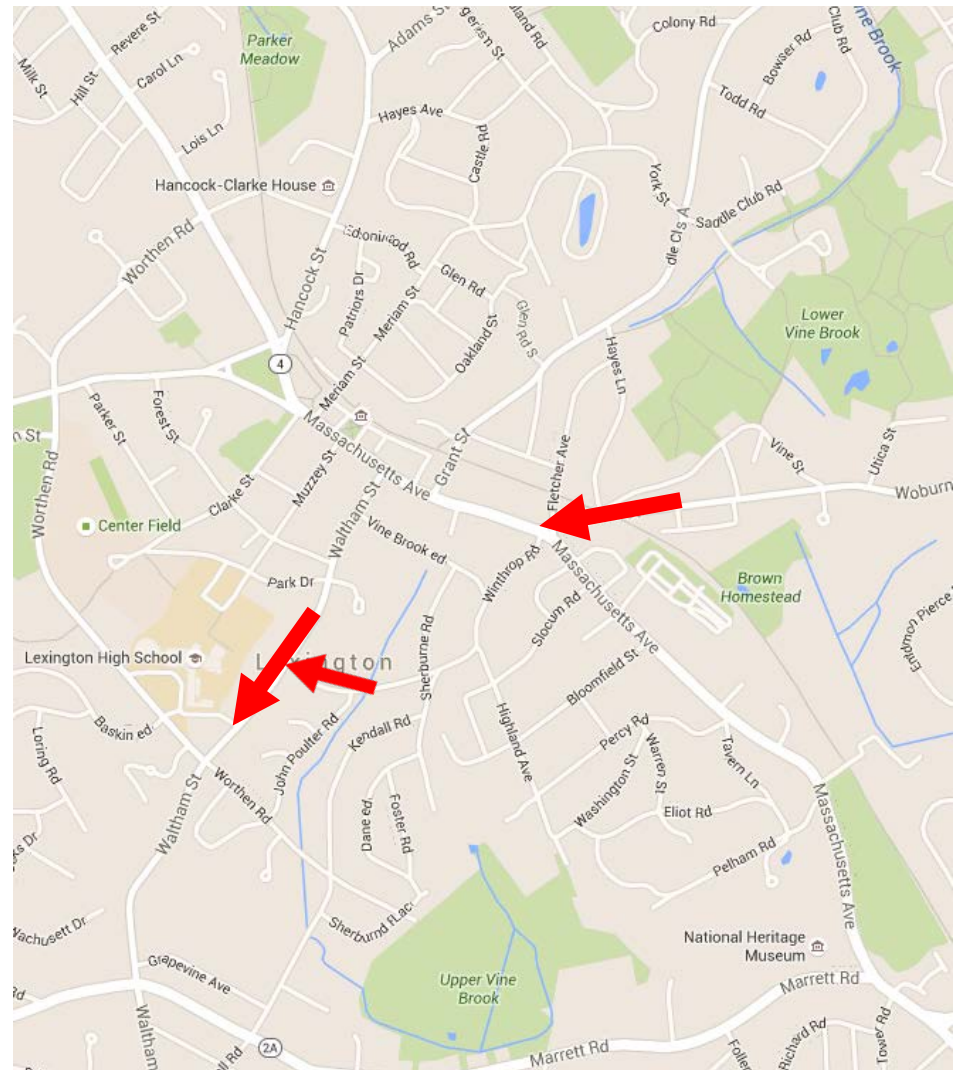
# Existing Conditions – Study Area

- Neighborhoods
  - North of Mass Ave:
    - Fletcher Avenue
    - Hayes Lane
    - Grant Street
    - Sheridan Street
  - Vine Street
  - Winthrop Road Neighborhood
    - Winthrop Road
    - Slocum Road
    - Bloomfield Street
- Town Parking



# Existing Conditions – Weekday Morning Traffic Conditions & Observations

- Primary Route
  - **Woburn Street at Mass Ave:** WB queue extends to Cottage St (~1,100 ft)
  - **Waltham Street:** SB queue associated with Lexington High School
- Neighborhood
  - **North of Mass Ave:** negligible through traffic observed
  - **Vine Street:** negligible through traffic observed
  - **Winthrop Road Neighborhood:** negligible through traffic observed



# Existing Conditions – Weekday Morning Travel Times

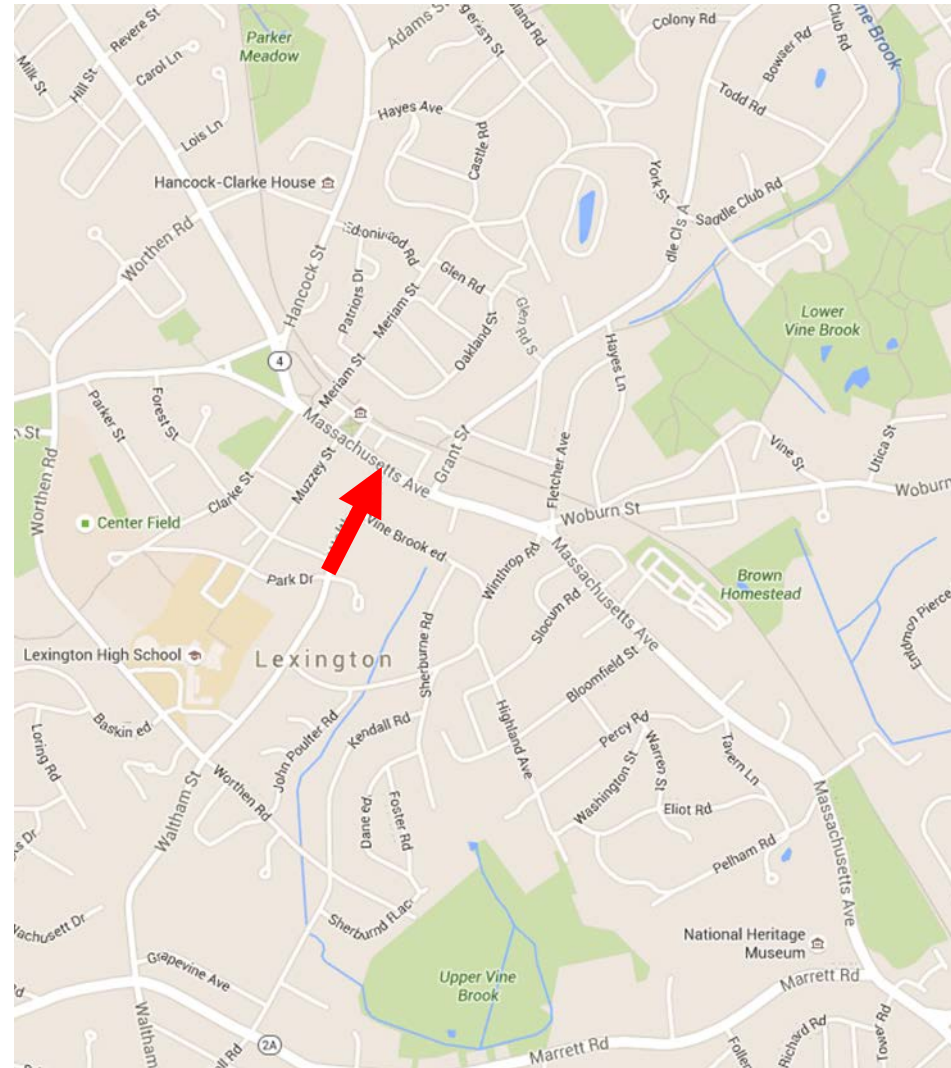
- Traffic travels from the east to west direction
- Neighborhood routes both have slightly faster travel times than their primary routes
- Not substantial enough to encourage a “cut-through” route

Travel Time (min)		
	Average	
Route	Primary Route	Neighborhood Route
Waltham St and Mass Ave	3:01	2:47
Woburn St	3:02	2:21

Source: Field data collected in January 2016

# Existing Conditions – Weekday Evening Traffic Conditions & Observations

- Primary Route
  - Woburn Street at Mass Ave: negligible queueing
  - Waltham Street at Mass Ave: NB queue extends past Forest St (~1,000 ft)
- Neighborhood
  - North of Mass Ave: negligible through traffic observed
  - Vine Street: negligible through traffic observed
  - Winthrop Road Neighborhood: negligible through traffic observed



# Existing Conditions – Weekday Evening Travel Times

- Traffic travels from the west to east direction
- Winthrop Road neighborhood route has a substantially faster travel time
- May encourage “cut-through” travel

Travel Time (min)		
	Average	
Route	Primary Route	Neighborhood Route
Waltham St and Mass Ave	4:31	2:45
Woburn St	1:08	2:02

Source: Field data collected in January 2016

# Existing Conditions – Observations

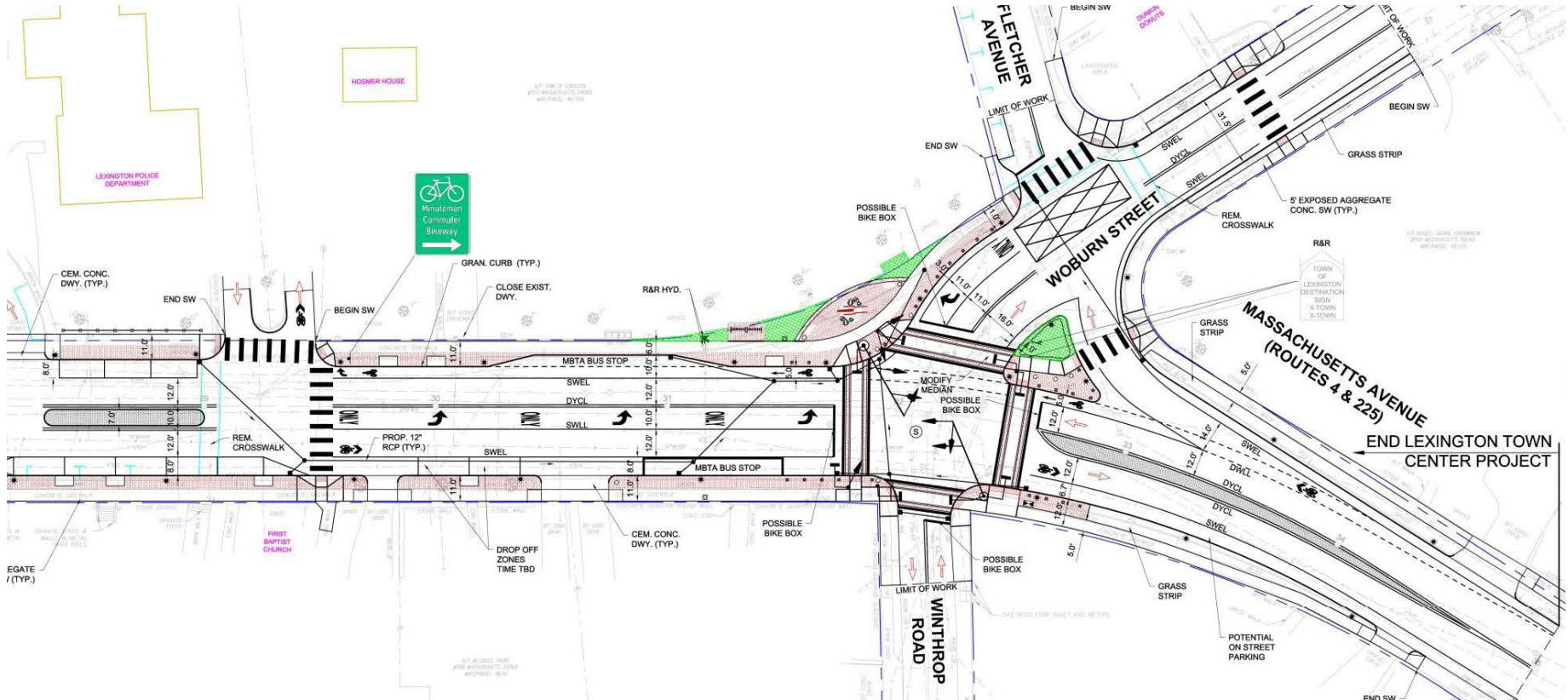
- Negligible existing “Cut-through” traffic observed in neighborhoods
  - Neighborhood vehicles were observed driving from street to street within the Winthrop Road neighborhood
- “Cut-through” traffic was observed in the town parking lot
- Potential for increase in neighborhood “cut-through” traffic with the implementation of the planned signal installation
- Safety concern at Minuteman Trail crossing that requires further evaluation if traffic signal installed

# Proposed Improvements



# Proposed Improvements

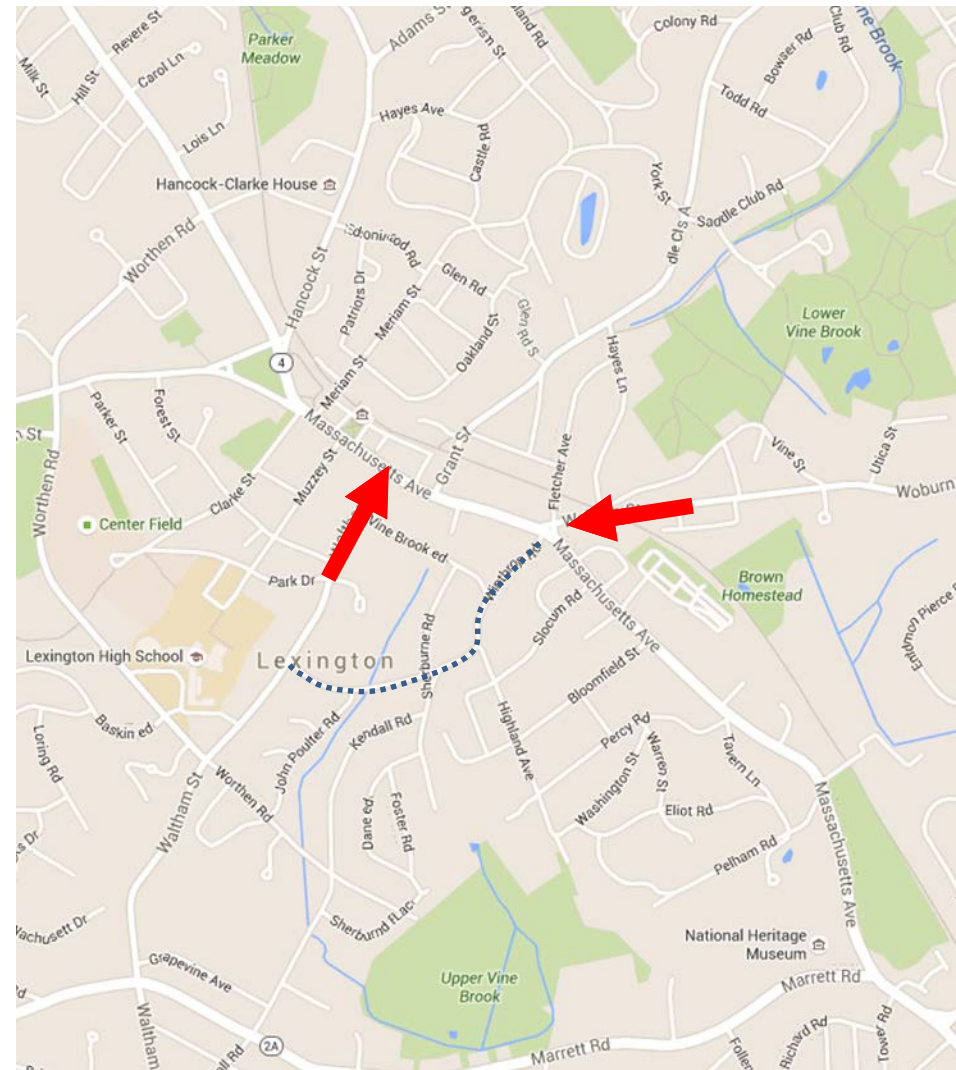
Source: BETA Group





# Existing Volumes with Proposed Improvements – Winthrop Road Neighborhood

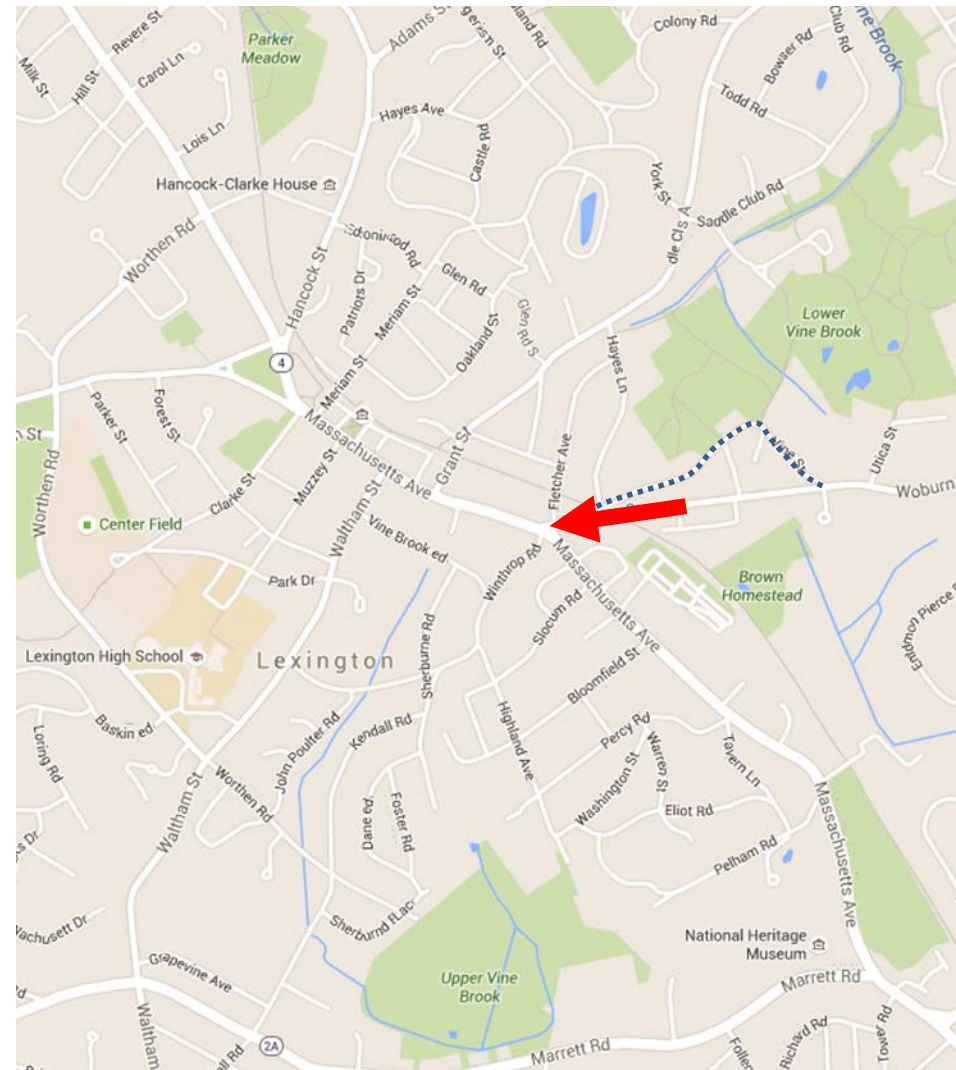
- Potential impact to cut through traffic along Winthrop Road to avoid passing through two signals
- This potential extends to both the peak and off-peak direction in both peak hours
- Traffic signal design features can help mitigate impact



# Existing Volumes with Proposed Improvements

## – North of Mass Ave and Vine St

- Weekday Morning
  - Small reduction in Woburn St WB queue
  - May be incentive to stay on primary route
- Weekday Evening
  - No expected change to traffic patterns

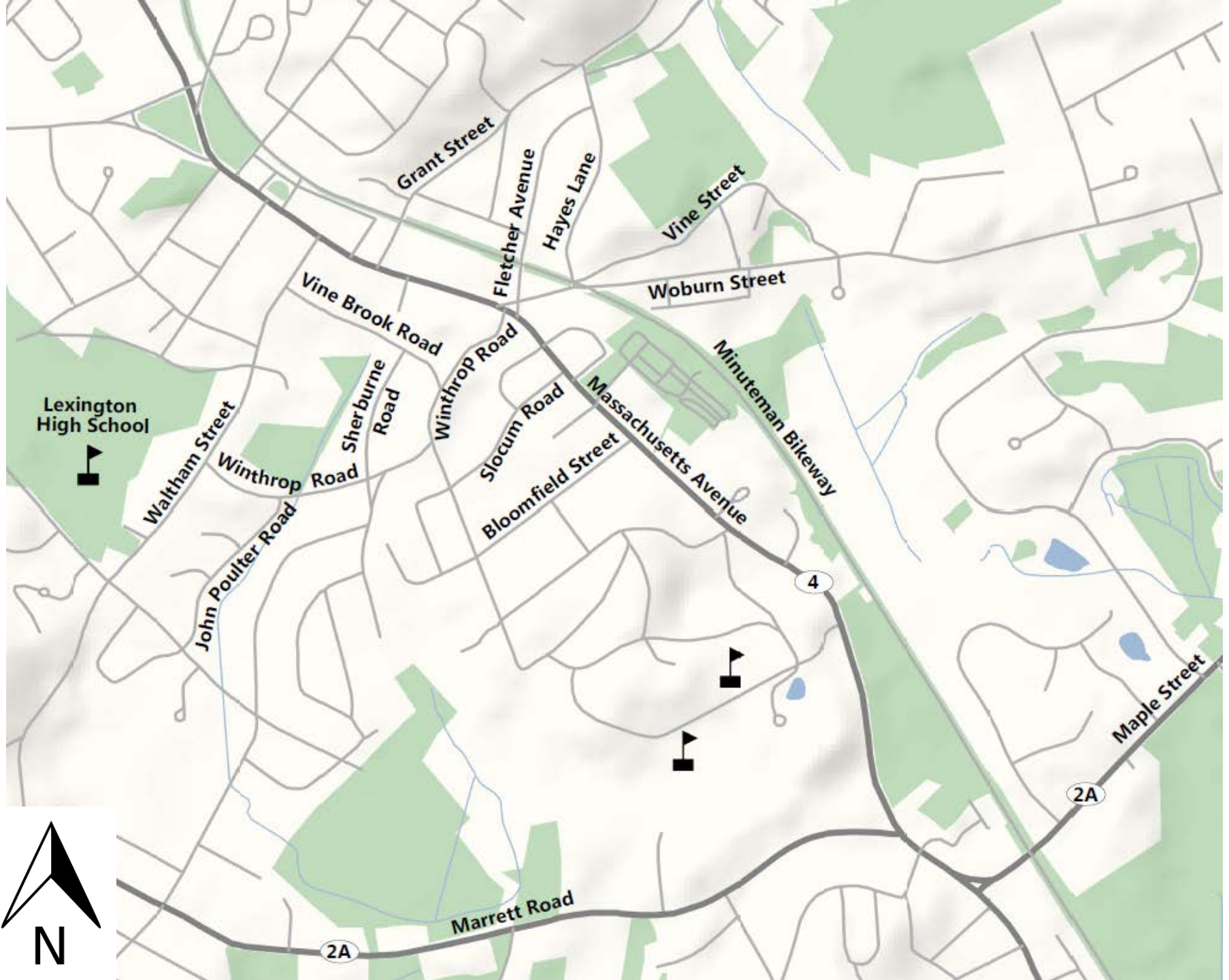


# Potential Mitigation



# Potential Mitigation

- Where warranted and appropriate, consider:
  - Additional signage
  - Speed tables/humps
  - Road closures/turn restrictions/time restrictions
  - Curb extensions/chicanes
  - Pedestrian accommodations
- Pros/cons of each will be evaluated
  - Reduced travel speed/volume
  - Geometric and drainage challenges
- Speed control is a concern regardless of signalization
- Include Sherburne Road, John Poulter Road, and Vinebrook Road in mitigation evaluation



Lexington High School



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Offices located throughout the east coast