



City of Melrose

NORTH-SOUTH BIKE ROUTE COMMUTER AND NEIGHBORHOOD ROUTES

Meeting Agenda



- Project Overview
- Scope of Work
- Future Considerations

Project Overview



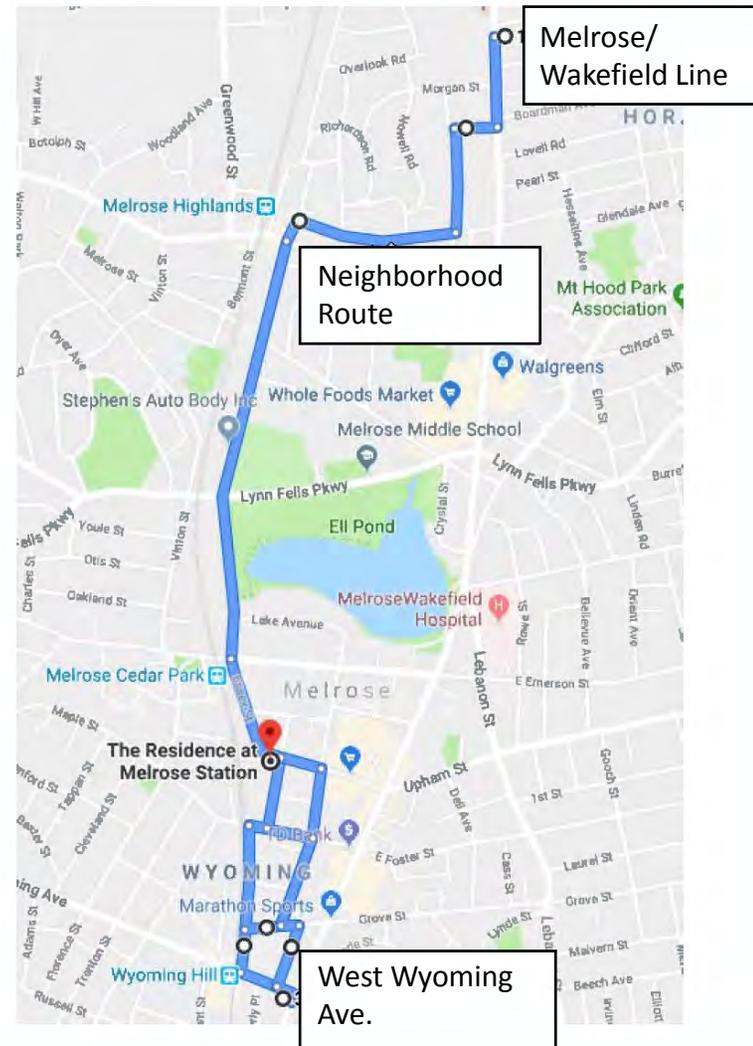
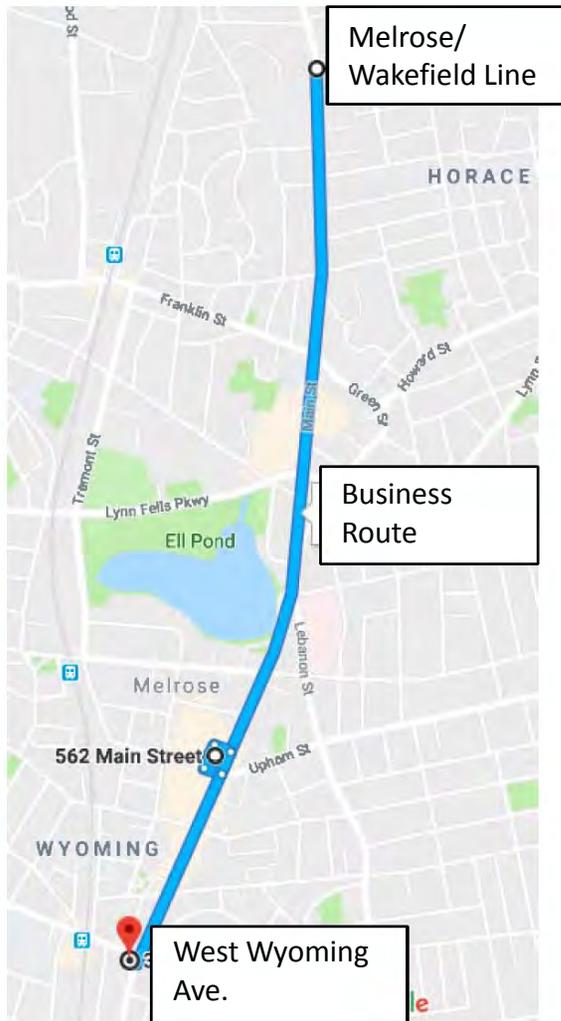
- **Intent:** Establish two bike routes between the Wakefield line and Wyoming Avenue, one for more confident and one for less confident riders
- **Funding:** MassDOT Complete Streets grant (state funded)
- **Schedule:** Begin and complete paint and signage in April-May 2019

Complete Streets Objectives



- Accommodate all modes of transportation
- Accommodate all ages and abilities
- Create pedestrian and bike friendly surroundings
- Improve safety and comfort level
- Encourage healthy lifestyles

Proposed North-South Bike Routes



Scope of Work



- Marked bike lanes where adequate road width exists
- Sharrows where road is not wide enough for bike lanes
- Bus lanes marked with paint and sharrows on Main Street between Wyoming and Franklin/Green
- Narrow driving lanes north of Franklin/Green Street to 12-feet
- Yield triangles in advance of mid-block crosswalks
- Bike boxes at intersections where No Turn on Red exists
- Replace missing No Turn on Red signs where in Traffic Code
- Sporadic bike route signage and “bicycles may use full lane” signage
- No changes to parking regulations

Sample Bike Lanes



Essex Street

Sample Bike Lanes



Tremont Street near Melrose Street

What is a sharrow?



Sharrows are shared lane markings, indicating that cyclists are permitted to ride within the travel lane. They are often combined with the signage shown.

Sample Sharrows



Essex Street

Yield Triangles at Crosswalks



Melrose Street near High School/Middle School

Yield Triangles at Crosswalks



Essex Street

Yield Triangles at Crosswalks



This signage is often combined with the yield triangles

Bus Stop Markings



Proposed bus stop markings from Melrose Pedestrian and Bicycle Advisory Committee

Sample Bus Stop Markings



Sample bus stop marking with bike insignia

Photo Credit: Bicycle Coalition of Greater Philadelphia (www.bicyclecoalition.org)

What is a bike box?



Graphic Credit: <http://moon-man.blogspot.com/2011/04/bike-boxes.html>

Bike boxes provide a location for cyclists to wait at a traffic light. They are especially helpful to allow cyclists to queue up safely at a red light to make a left turn when the light changes to green. They work best where right turns are prohibited on red.

Sample Bike Box



(Note: City is proposing boxes as shown but without green paint)

**Proposed bike boxes from Melrose
Pedestrian and Bicycle Advisory Committee**



NORTH-SOUTH BIKE ROUTE NEIGHBORHOOD ROUTE MAPS

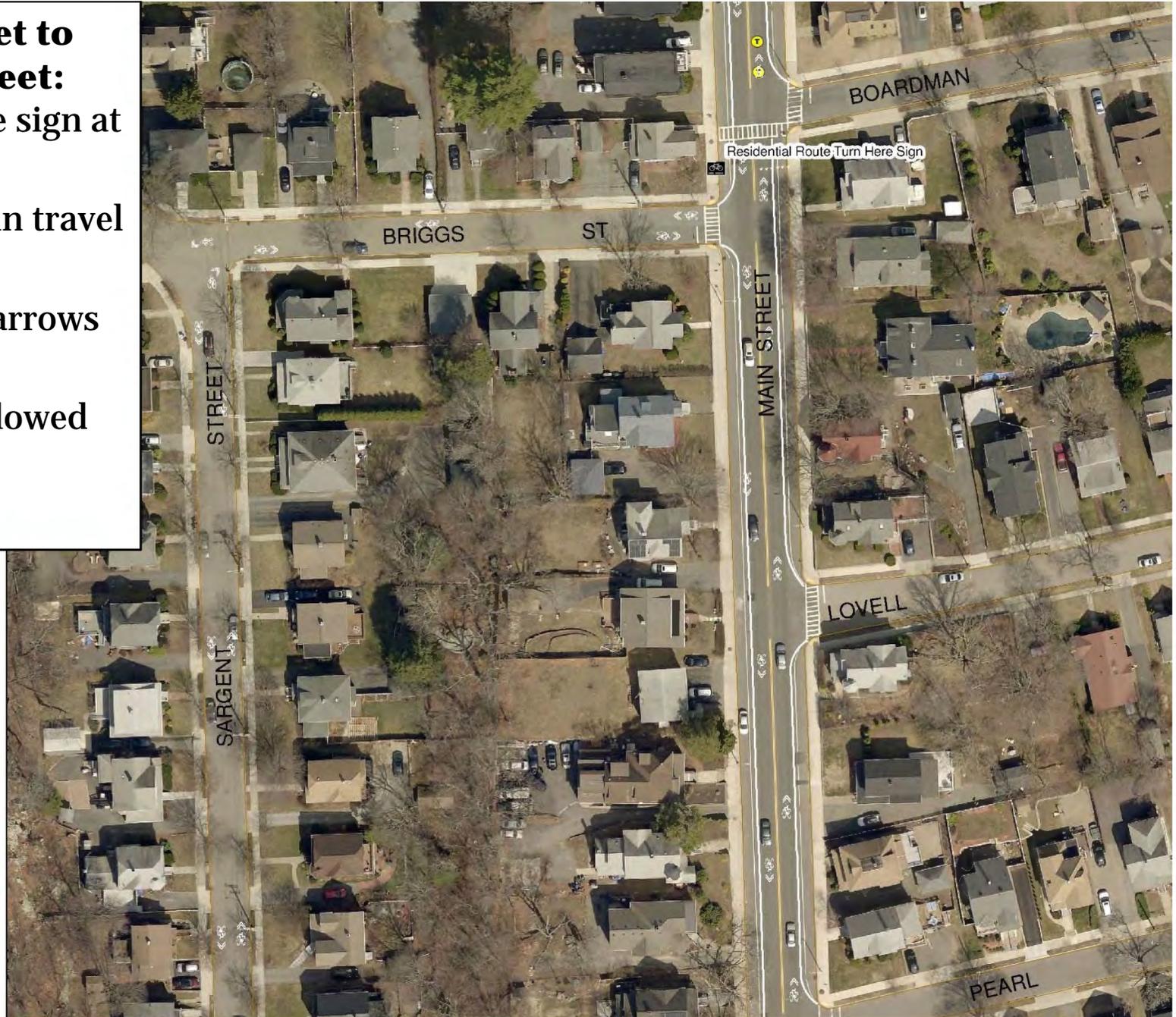
Wakefield line to Briggs Street:

- 12-foot travel lanes
(move fog lines)
- Parking allowed
- Sharrows in travel
lanes
- Yield triangles at
crosswalks



Briggs Street to Sargent Street:

- Bike Route sign at Main St.
- Sharrows in travel lanes
- Angled sharrows at turns
- Parking allowed both sides



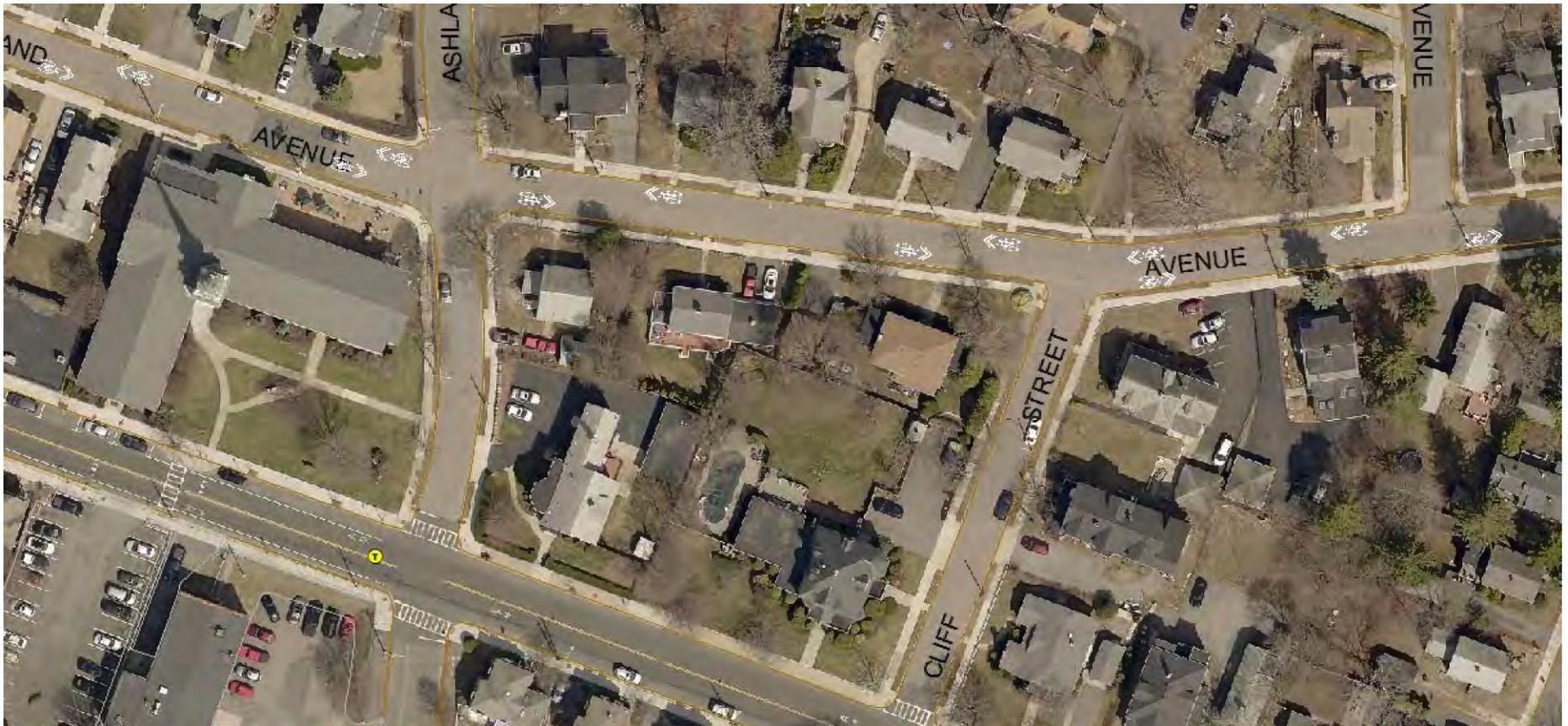
**Sargent Street to
Highland Avenue:**

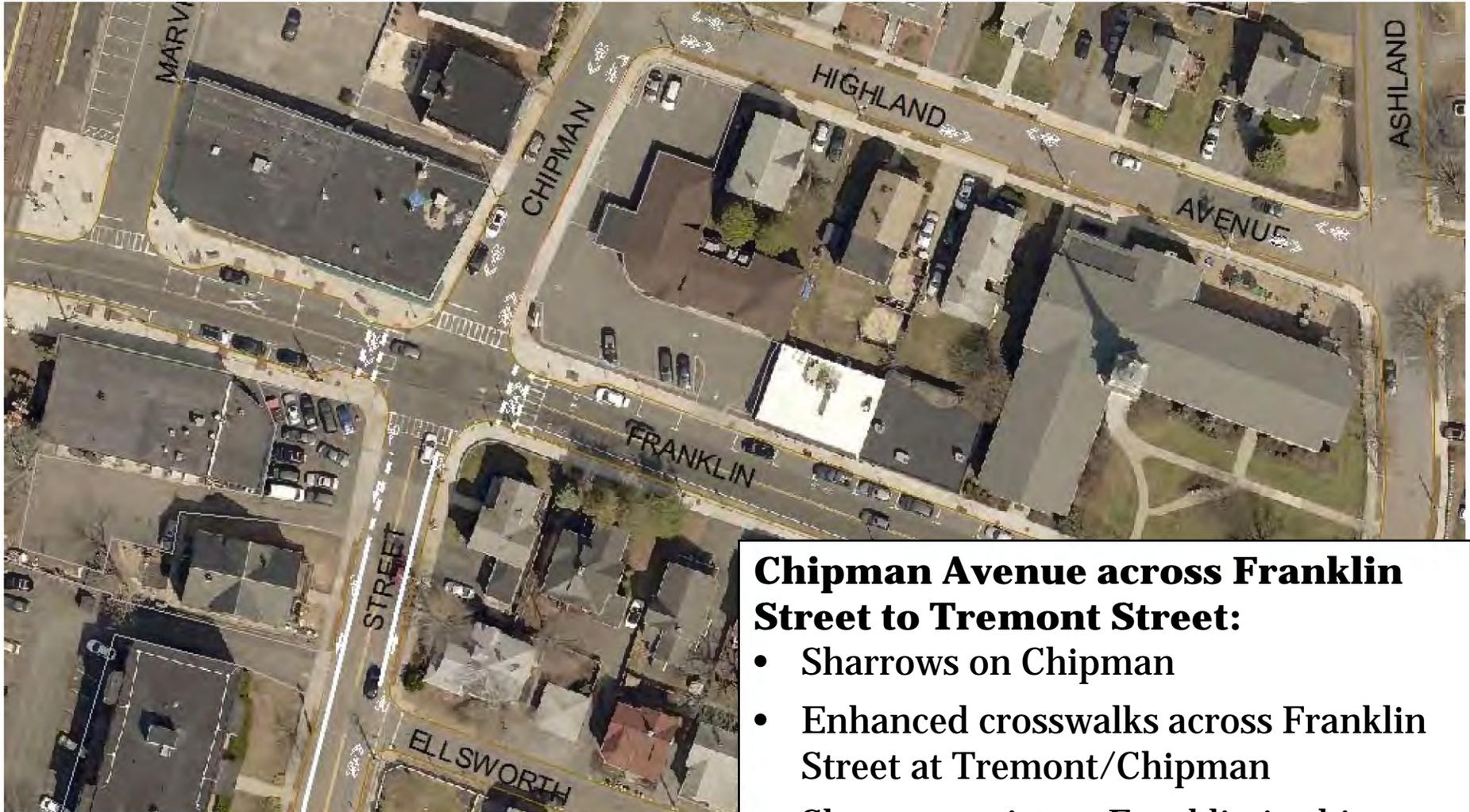
- Sharrows in travel lanes
- Angled sharrows at turns
- Parking allowed



Highland Avenue to Chipman Avenue:

- Sharrows in travel lanes
- Angled sharrows at turns
- Parking allowed in some locations
- Bikes allowed both directions on one-way portion of Highland





Chipman Avenue across Franklin Street to Tremont Street:

- Sharrows on Chipman
- Enhanced crosswalks across Franklin Street at Tremont/Chipman
- Sharrows exist on Franklin in this neighborhood to train station
- Bike lanes at end of Tremont where parking is prohibited, changing to sharrows where parking is allowed

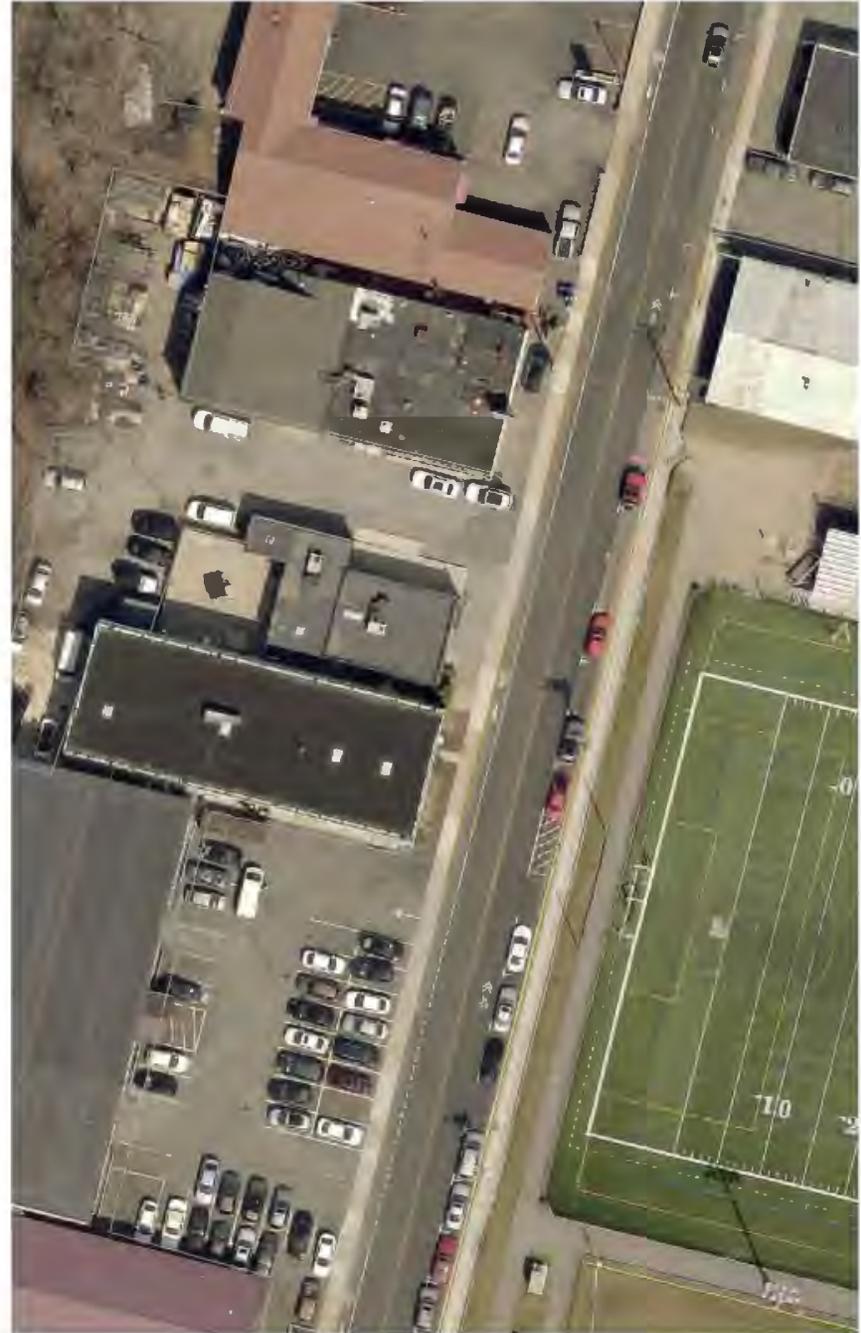
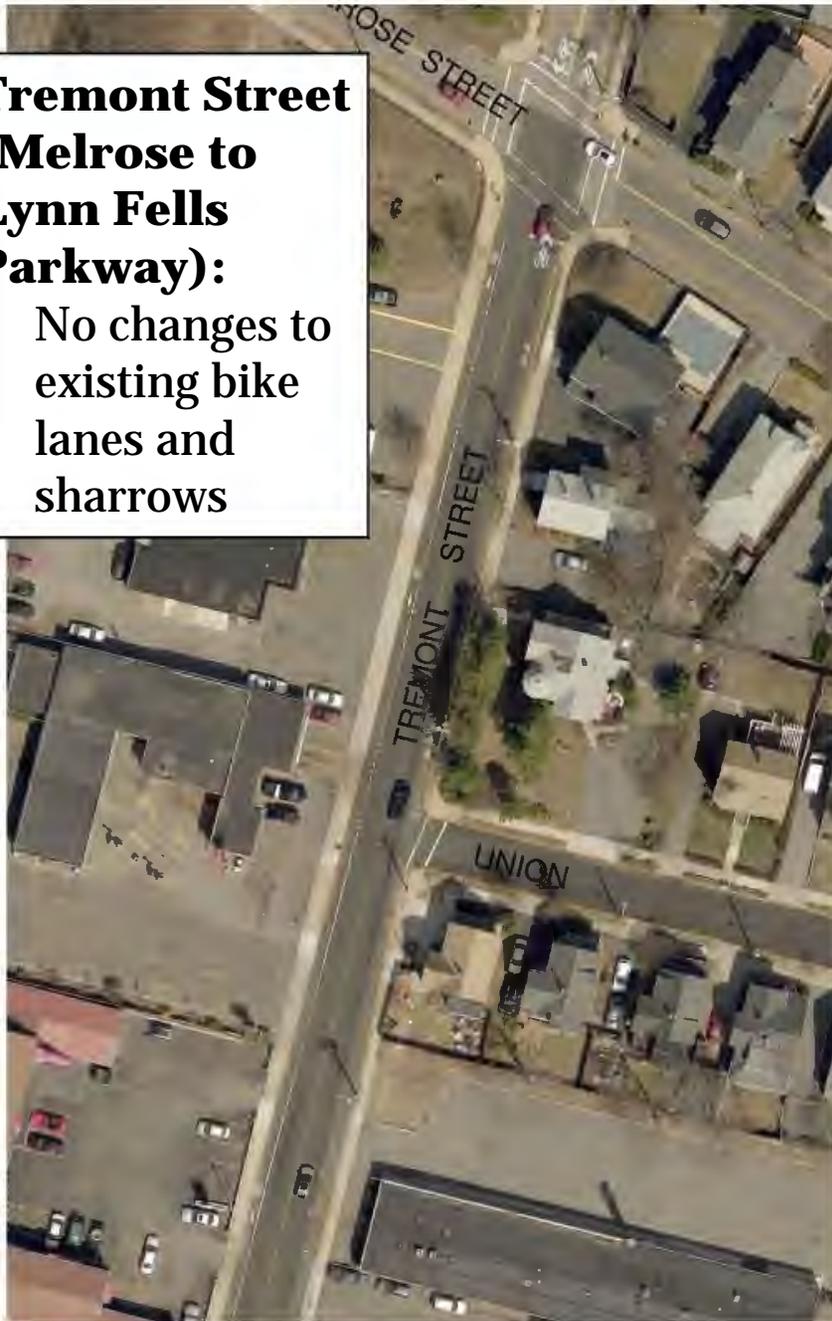
**Tremont Street
(Franklin Street to
Melrose Street):**

- Sharrows in travel lanes (parking allowed)
- Connects to new sharrows on Melrose Street painted in 2018



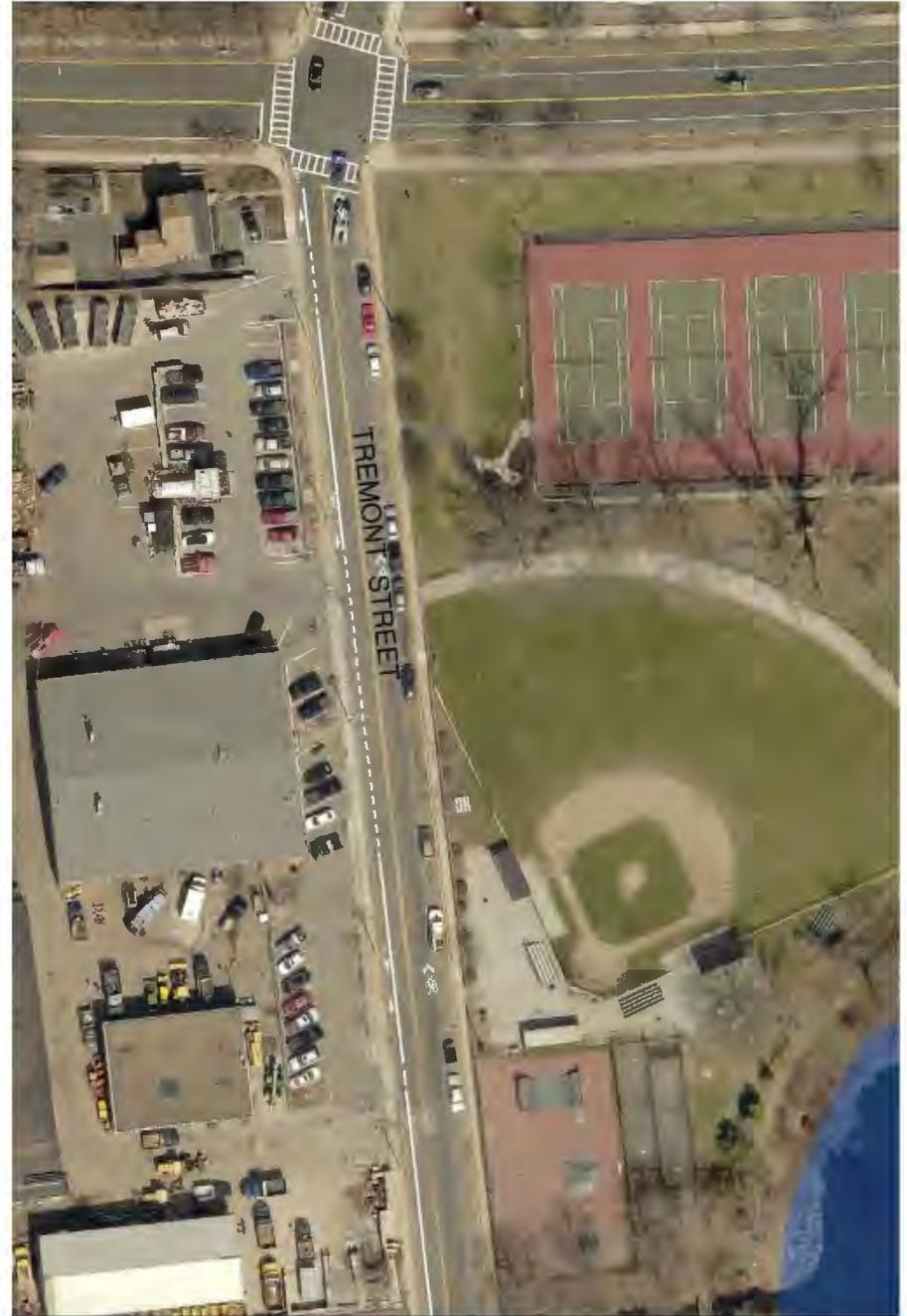
**Tremont Street
(Melrose to
Lynn Fells
Parkway):**

- No changes to existing bike lanes and sharrows



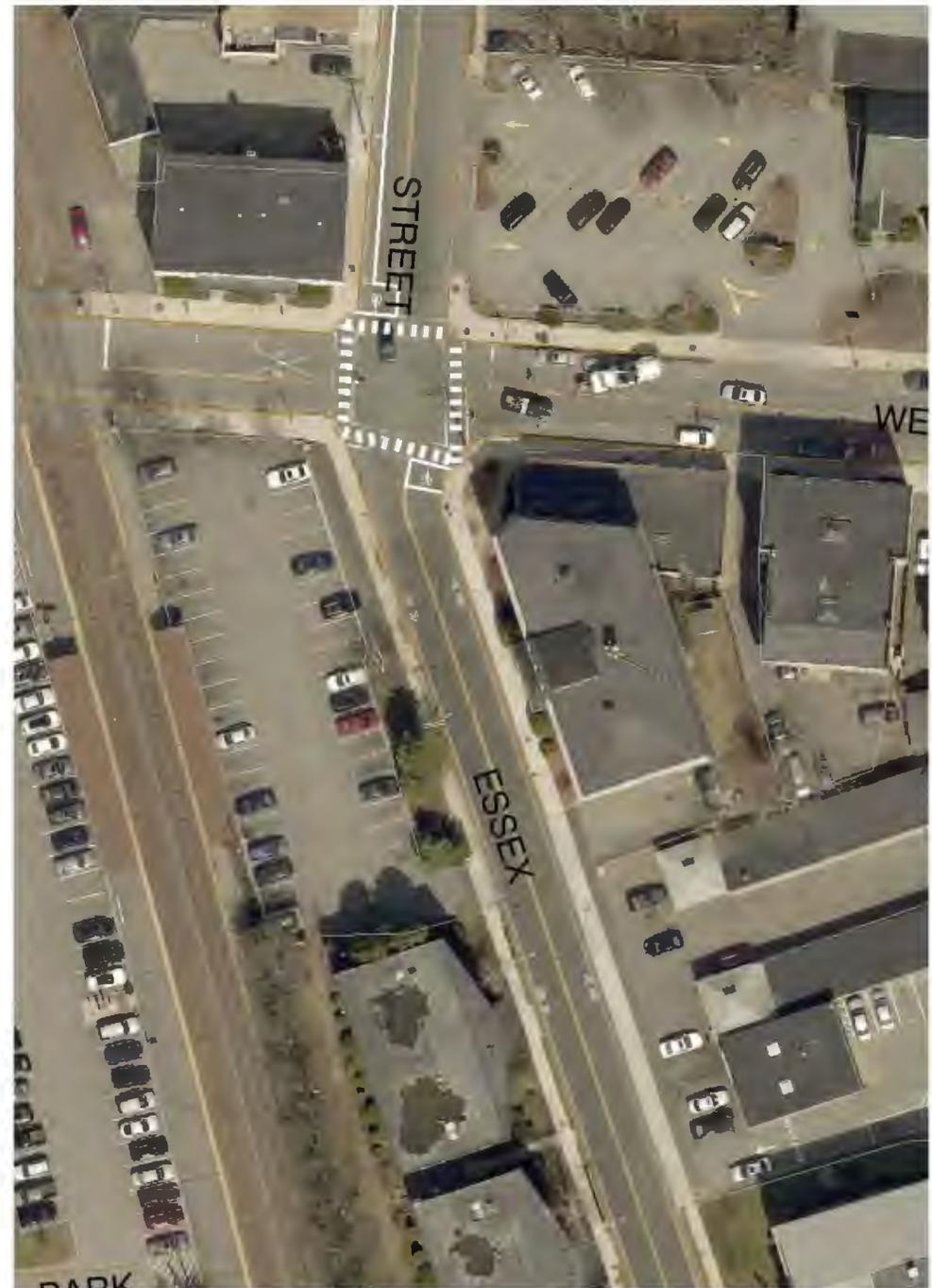
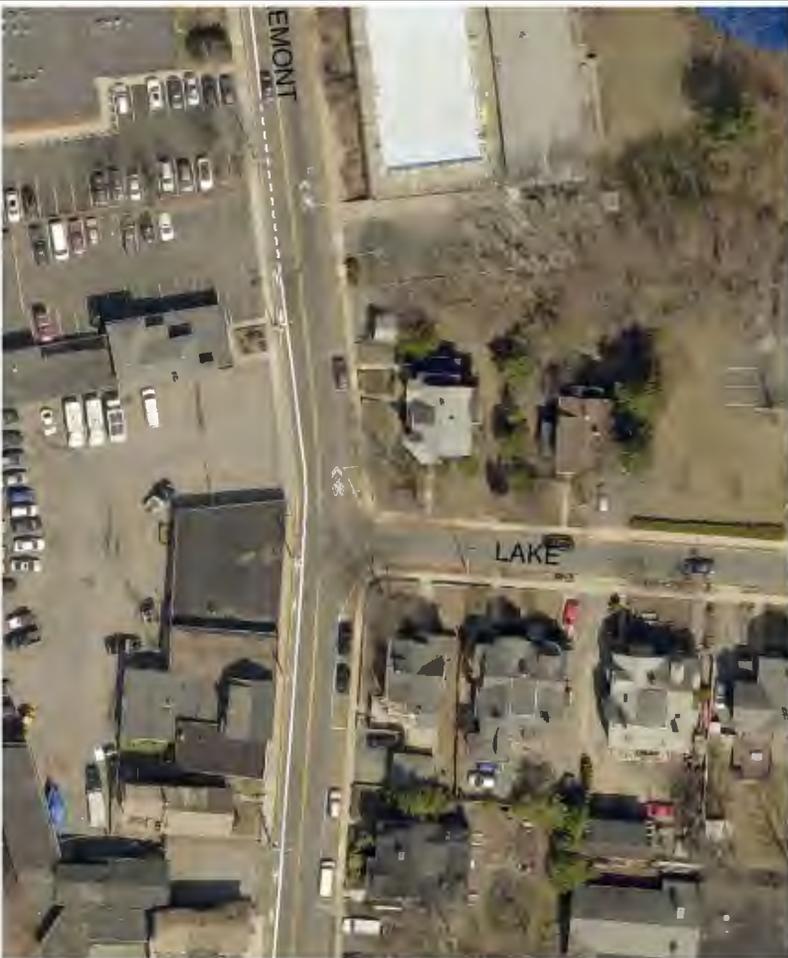
**Tremont Street
(Parkway to
Emerson):**

- No changes to existing bike lanes and sharrows



Tremont Street to Essex Street:

- Existing bike lanes and sharrows
- Add bike boxes at Emerson
- Add hatching in crosswalks at Emerson



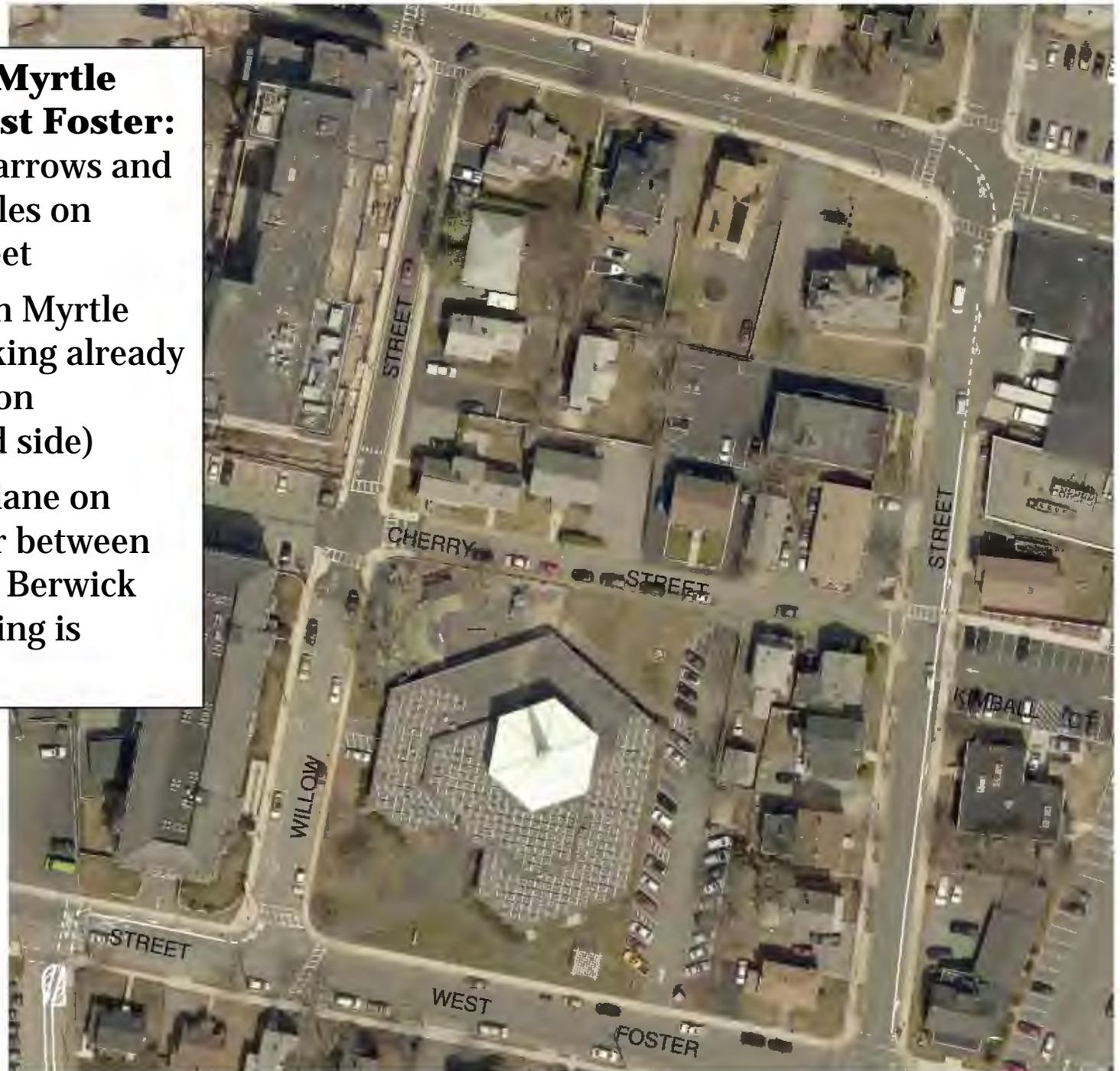


**Essex Street to
Willow Street:**

- Existing bike lanes, sharrows, and yield triangles at crosswalks

Willow and Myrtle Street to West Foster:

- Existing sharrows and yield triangles on Willow Street
- Bike lane on Myrtle Street (parking already prohibited on northbound side)
- Small bike lane on West Foster between Willow and Berwick where parking is prohibited



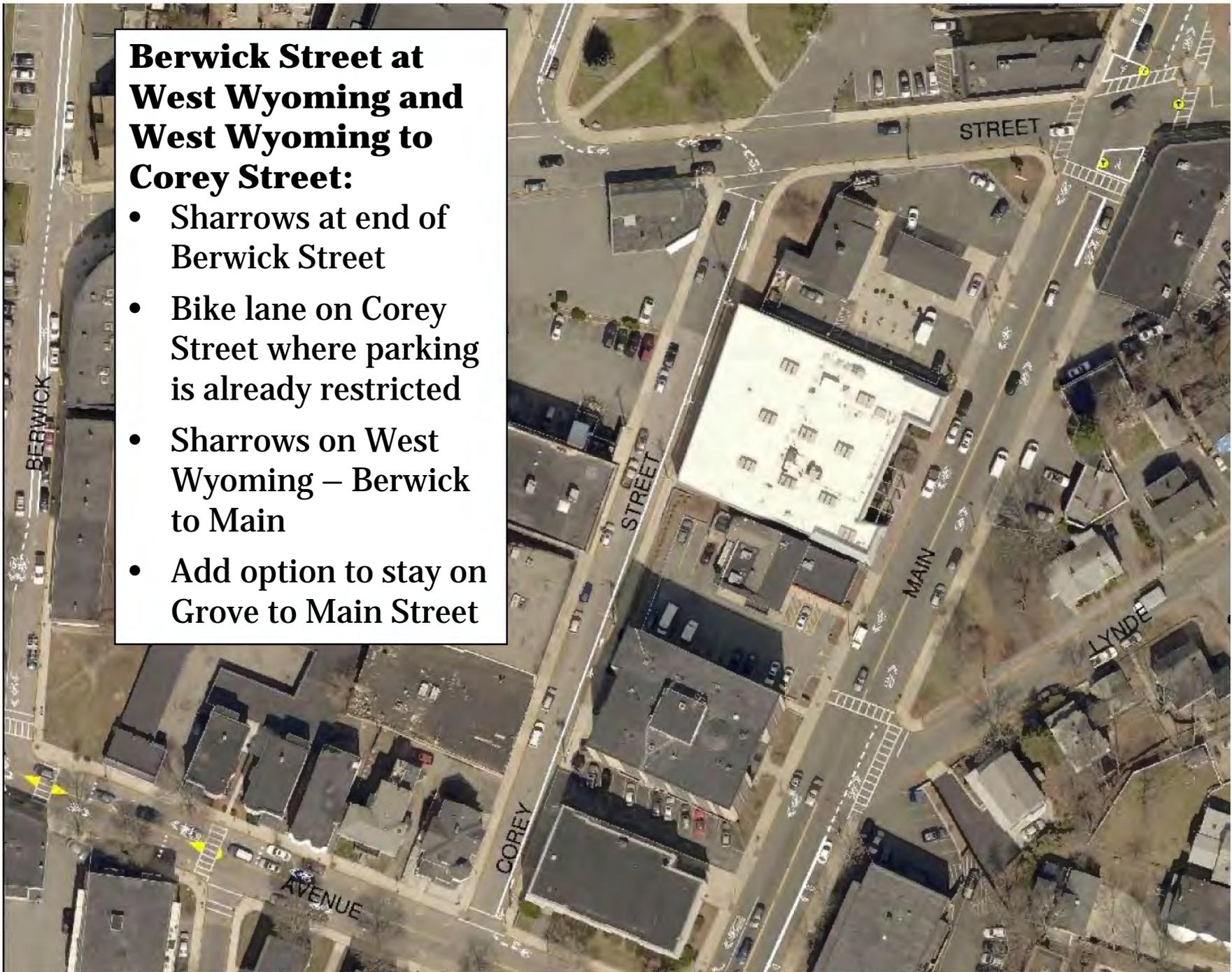


Berwick Street and Myrtle Street (West Foster Street to Grove Street):

- Angled entrance to bike lane from Foster onto Berwick
- Bike lane on Berwick Street between parallel parking lane on east side and driving lane
- Bike lane on Myrtle Street between parking lane on east side and travel lane if it will fit (field decision; otherwise sharrows)
- Dashed lines and angled sharrows for turns at Myrtle/Grove and Corey/Grove

**Berwick Street at
West Wyoming and
West Wyoming to
Corey Street:**

- Sharrows at end of Berwick Street
- Bike lane on Corey Street where parking is already restricted
- Sharrows on West Wyoming – Berwick to Main
- Add option to stay on Grove to Main Street

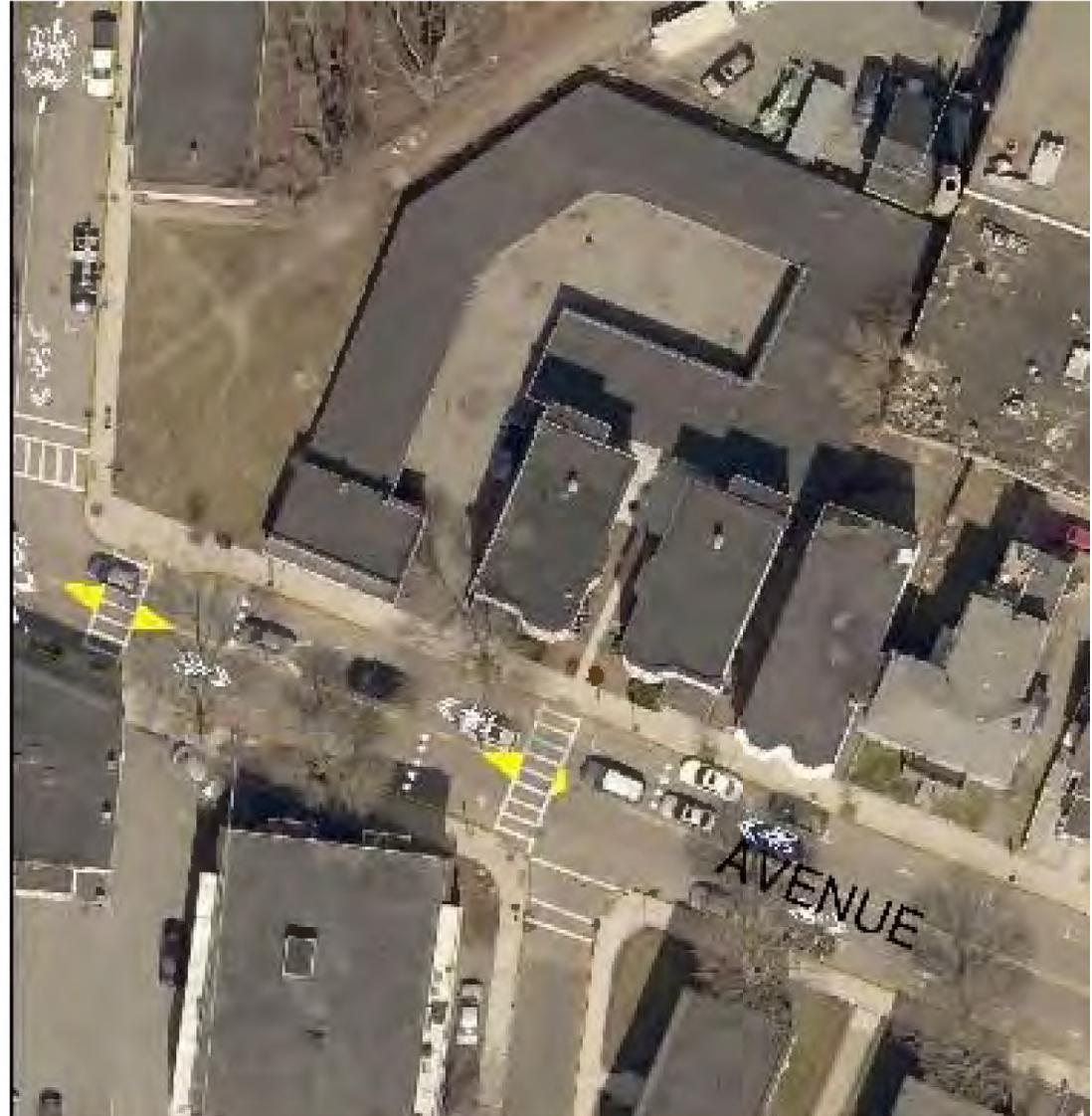


**West Wyoming
Avenue at Berwick
Street and Waverly
Place:**

- Yield triangles (white) and median refuge using yellow paint at crosswalks



**Example of median
refuge with paint**





NORTH-SOUTH BIKE ROUTE MAIN STREET/COMMUTER ROUTE MAPS

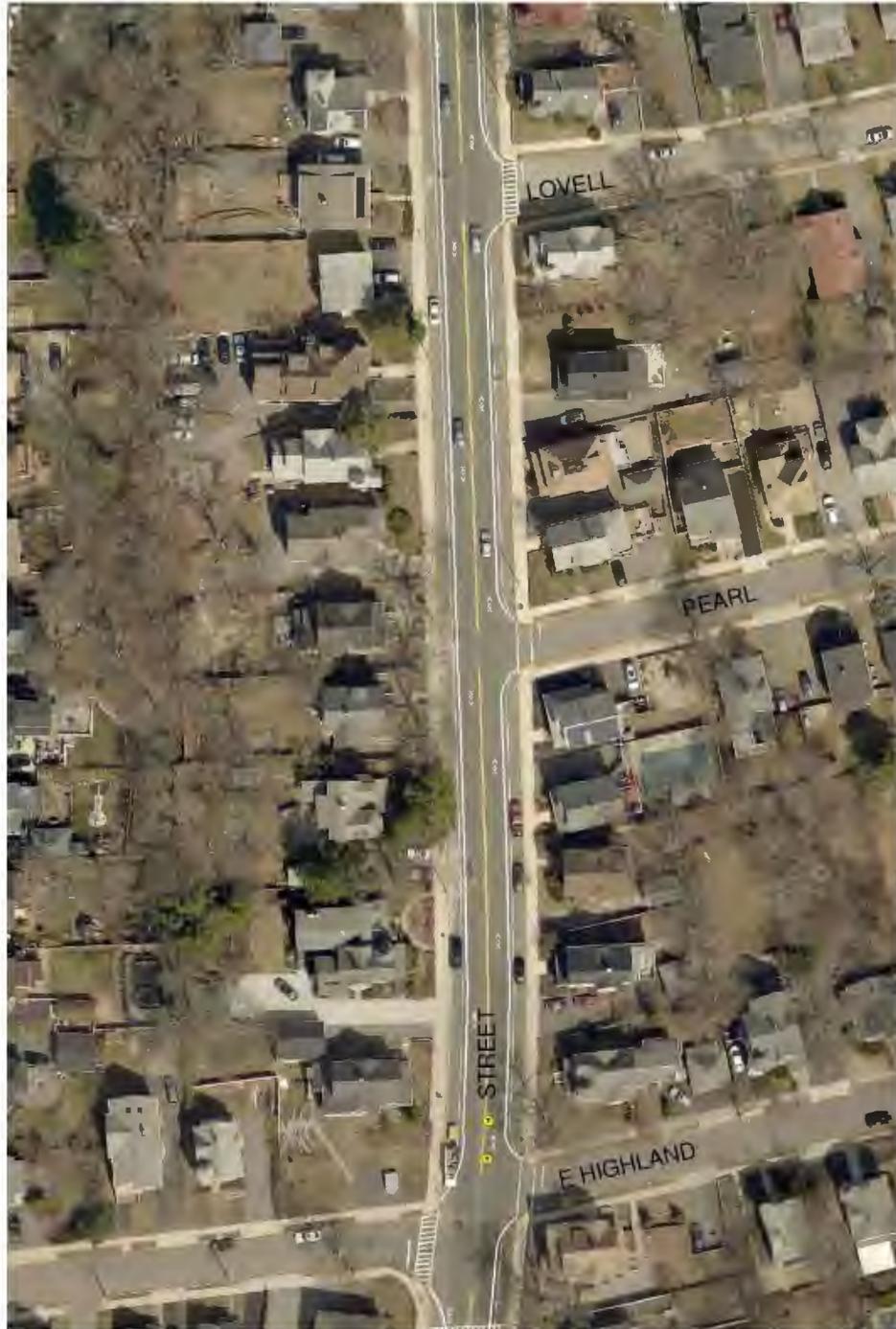
Wakefield line to Lovell Road:

- 12-foot travel lanes (move fog lines)
- Parking allowed
- Sharrows in travel lanes
- Yield triangles at crosswalks



**Lovell Road to
Highland Ave.:**

- 12-foot travel lanes
(move fog lines)
- Parking allowed
- Sharrows in travel
lanes

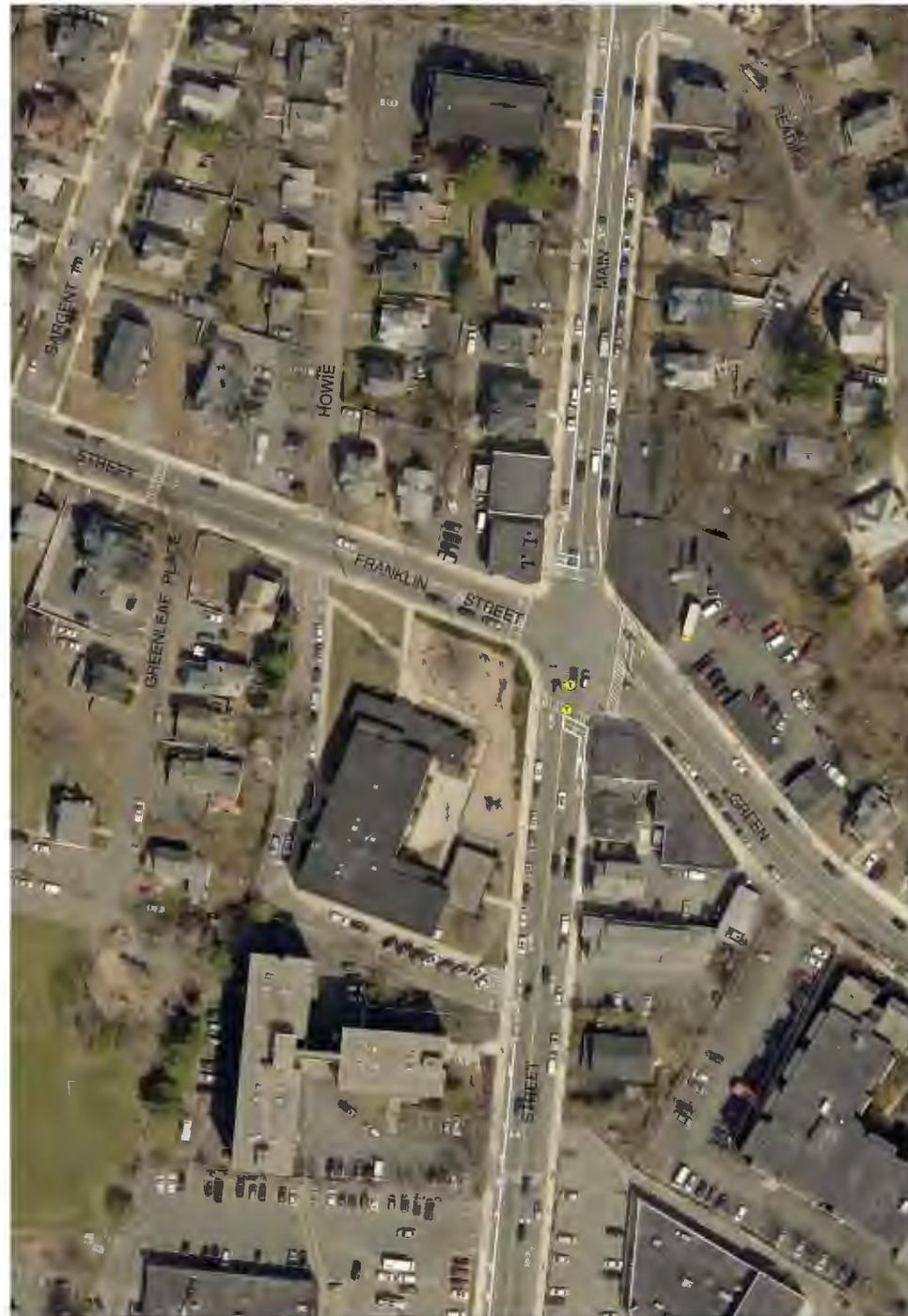


**Highland Ave. to
Franklin Street:**

- 12-foot travel lanes
(move fog lines)
- Parking allowed
- Sharrows in travel
lanes
- Bike boxes at
Franklin/Green
intersection

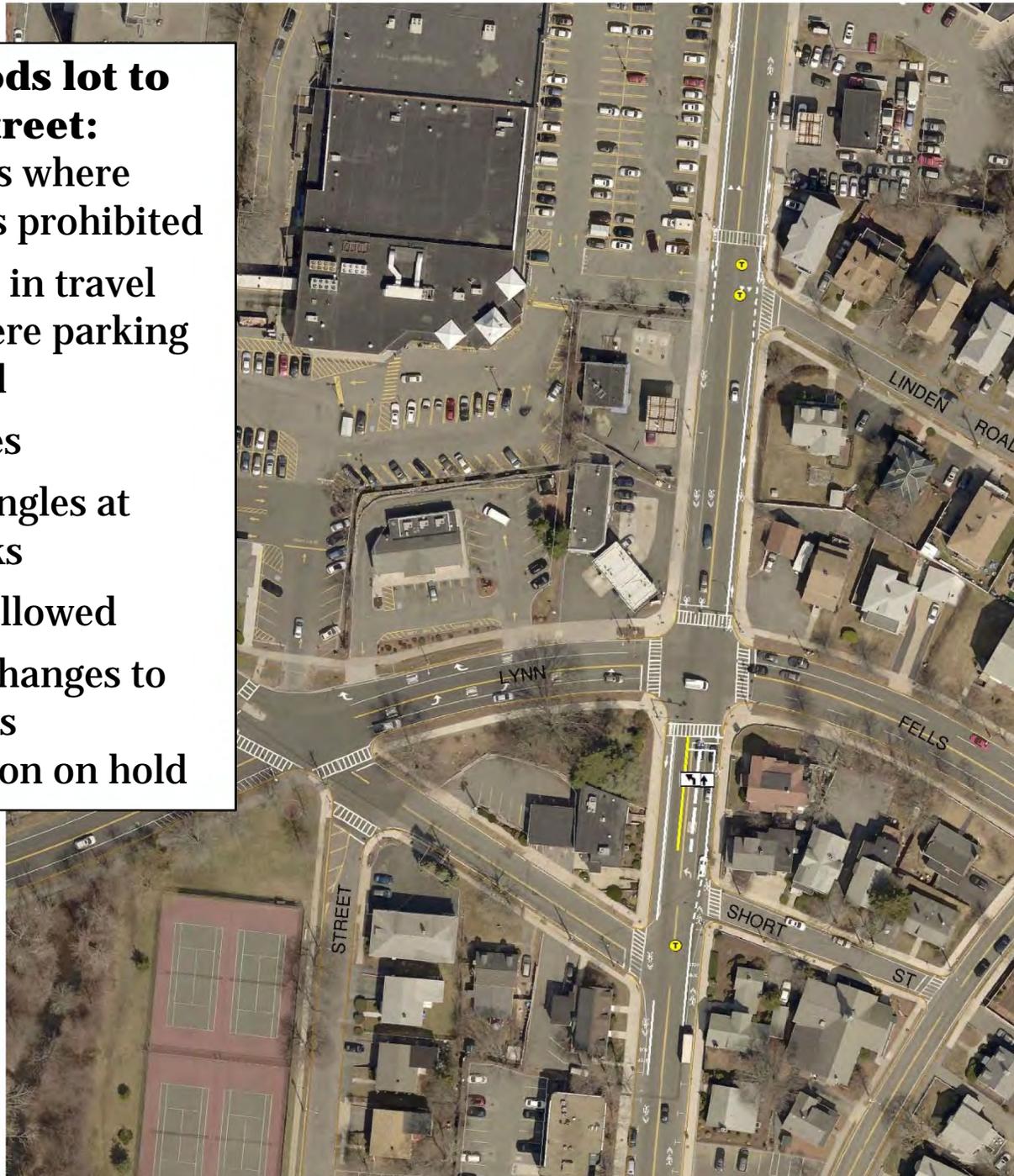
**Franklin Street to
Whole Foods lot:**

- Sharrows in travel
lanes where parking
is allowed
- Bike lane where
parking is prohibited



Whole Foods lot to Melrose Street:

- Bike lanes where parking is prohibited
- Sharrows in travel lanes where parking is allowed
- Bike boxes
- Yield triangles at crosswalks
- Parking allowed
- Further changes to Lynn Fells intersection on hold



**Melrose Street to
Green Street:**

- Sharrows in travel lanes
- Bike boxes at intersections
- Bike lane southbound south of Green Street



**Green Street to
Hospital Square:**

- Bike lane southbound through intersection where parking is prohibited
- Dashed line through intersection (angle may be modified)



Hospital Square to Emerson Street:

- Sharrows in travel lanes
- Bike boxes at Emerson
- Bus stop markings



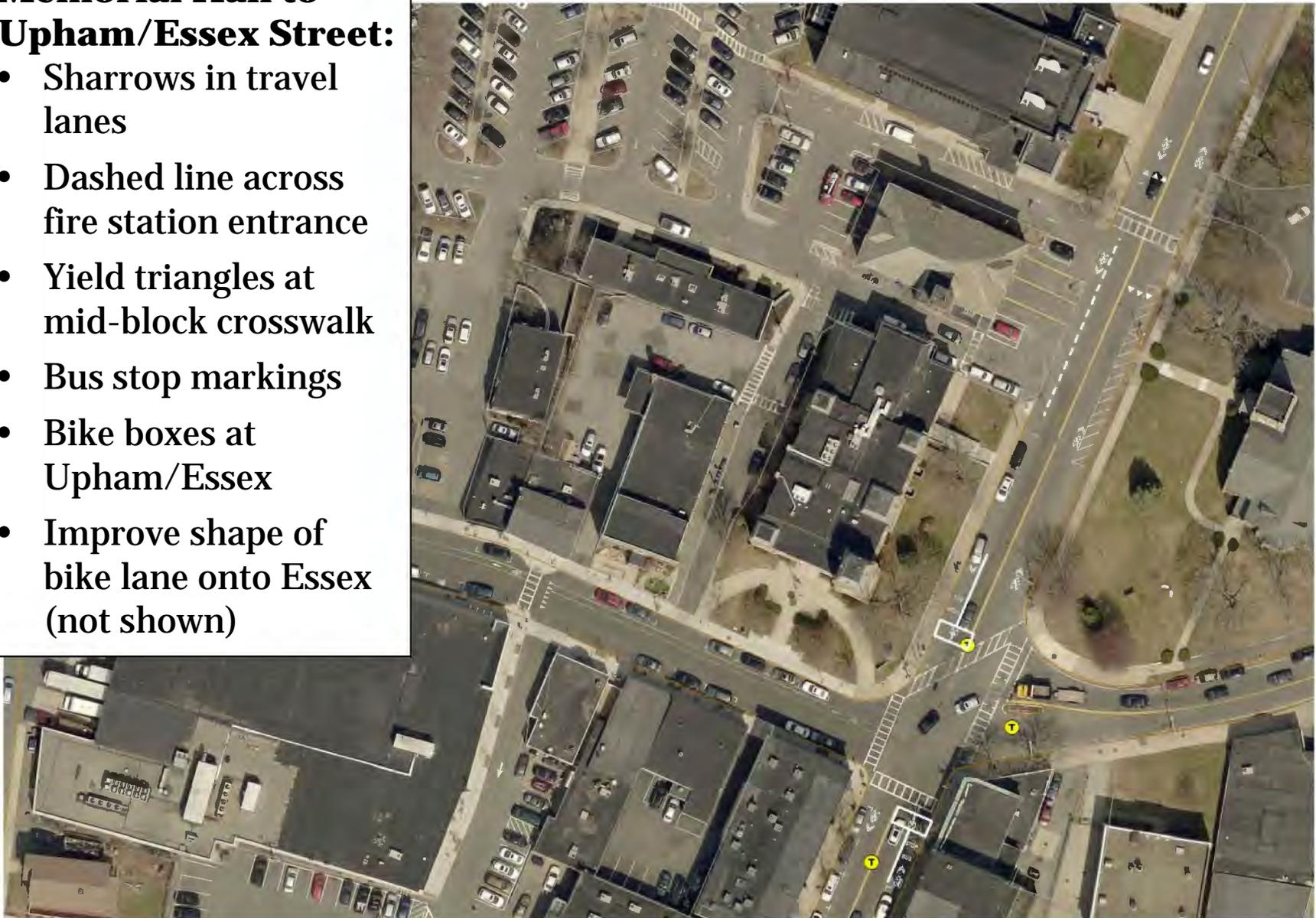
Emerson Street to Memorial Hall:

- Sharrows in travel lanes
- Yield triangles at mid-block crosswalk



Memorial Hall to Upham/Essex Street:

- Sharrows in travel lanes
- Dashed line across fire station entrance
- Yield triangles at mid-block crosswalk
- Bus stop markings
- Bike boxes at Upham/Essex
- Improve shape of bike lane onto Essex (not shown)



Upham/Essex Street to Foster Street:

- Sharrows in travel lanes
- Yield triangles at mid-block crosswalk
- Bus stop markings
- Bike boxes at Foster Street intersection



Foster Street to Grove Street:

- Sharrows in travel lanes
- Yield triangles at mid-block crosswalk
- Bus stop markings
- Bike boxes at Grove Street intersection



Grove Street to Wyoming Avenue:

- Sharrows in travel lanes
- Bus stop markings
- Bike boxes at Wyoming Ave. intersection



Future Considerations



Both Routes:

- Adding locations for bike parking
- Adding bike maintenance station
- Marking suggested locations for shared use bike parking at high use locations
- Wayfinding signage (arrows pointing to destinations, possibly with distances)

Main Street Route:

- Reconfigure intersection at Main Street and Lynn Fells Parkway based on crash history (traffic counts being obtained by DCR)
- Center left turn lane along Whole Foods/Walgreens parking lot area
- Climbing bike lane on Main Street northbound approaching Franklin/Green intersection (involves shifting centerline)

Questions

