



## Public Information Meeting No. 2

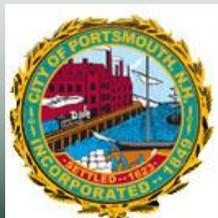
Maplewood Avenue &  
Adjacent Areas  
Portsmouth, NH



May 10, 2016

# Introductions

- City Staff
  - Planning Department
  - Department of Public Works
    - Highway Division
    - Water Division
    - Sewer Division
  - Public Safety
    - Police Department
    - Fire Department
- Engineering Consultants
  - Greenman-Pedersen, Inc.
  - Weston & Sampson, Inc.
  - Sub-Consultants
- Stakeholders
  - Residents
  - Business Owners



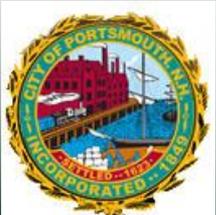
# Project Need:

- Primary Need: Water Main Replacement on Maplewood Avenue
  - Recommended in 2013 Water Master Plan
- Identified Adjacent Areas in Need of Work
  - Added to Overall Project
- Full Roadway and Utility Reconstruction Where Appropriate
- Complete Street Type Design
  - City Council Policy
- Implementation of 2014 Bicycle & Pedestrian Plan

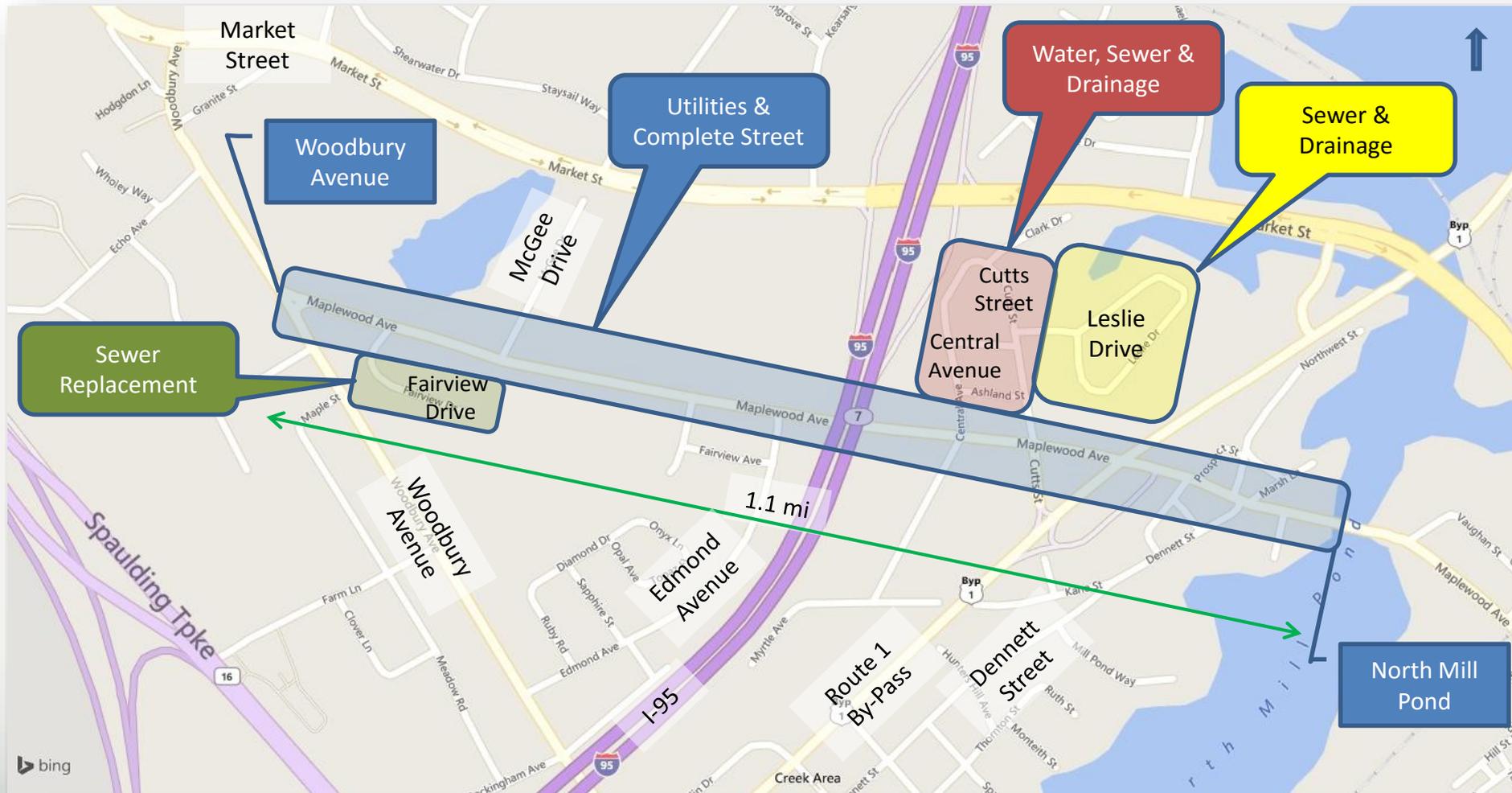


# Agenda/Meeting Purpose:

- Project Limits for Design
- Data Collection
- Public Input Summary
- Utility Improvements
- Adjacent Area Improvements
- Maplewood Avenue Concept
- Intersection Concepts
- Next Steps
- Anticipated Project Schedule
- Feedback

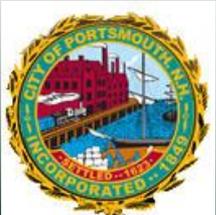


# Project Limits for Design



# Data Collection – Existing Conditions:

- Speed Data
- Traffic Volume Data
- Parking Observations
- Accident Reports

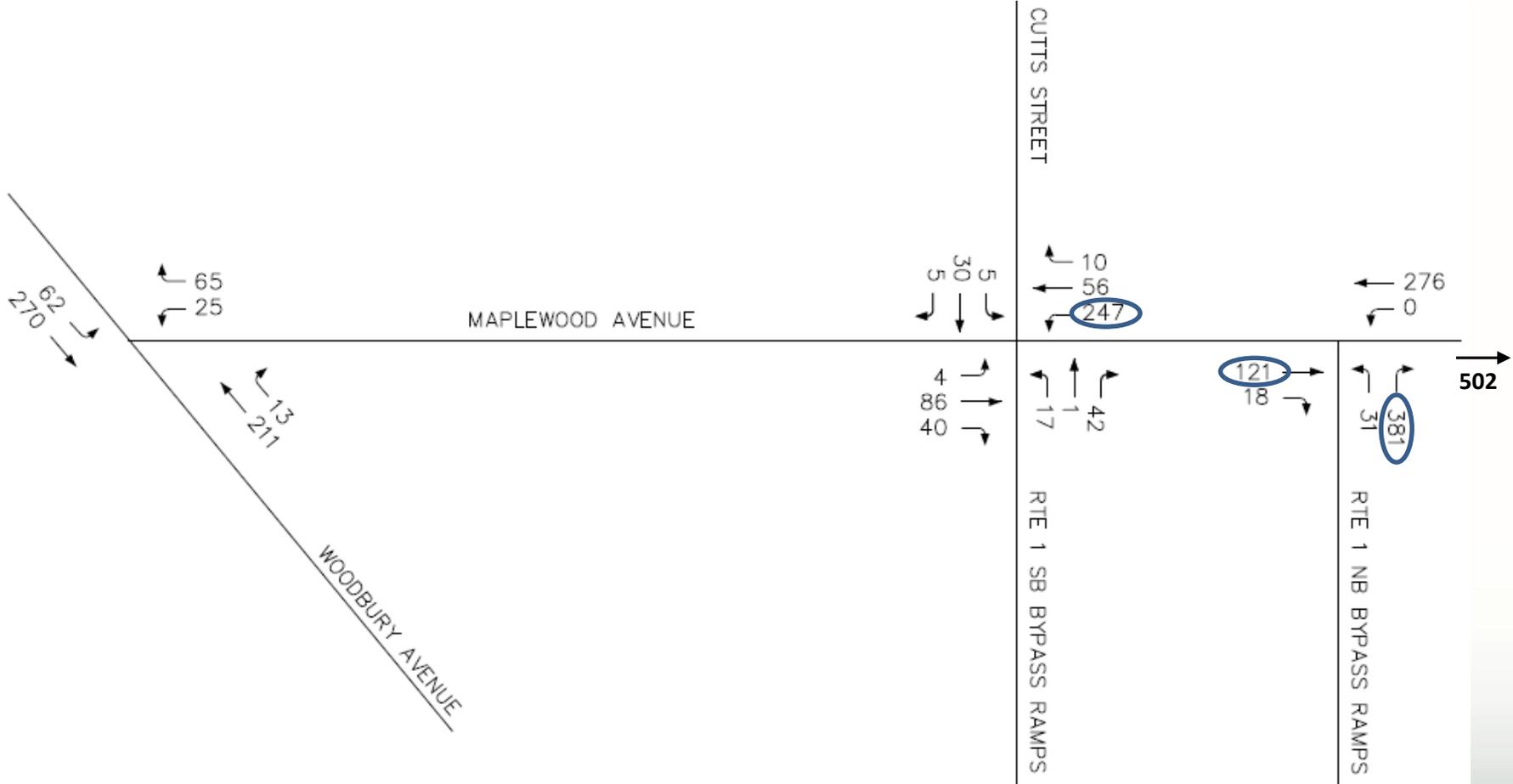


# Data Collection – Speed and Traffic Volumes:

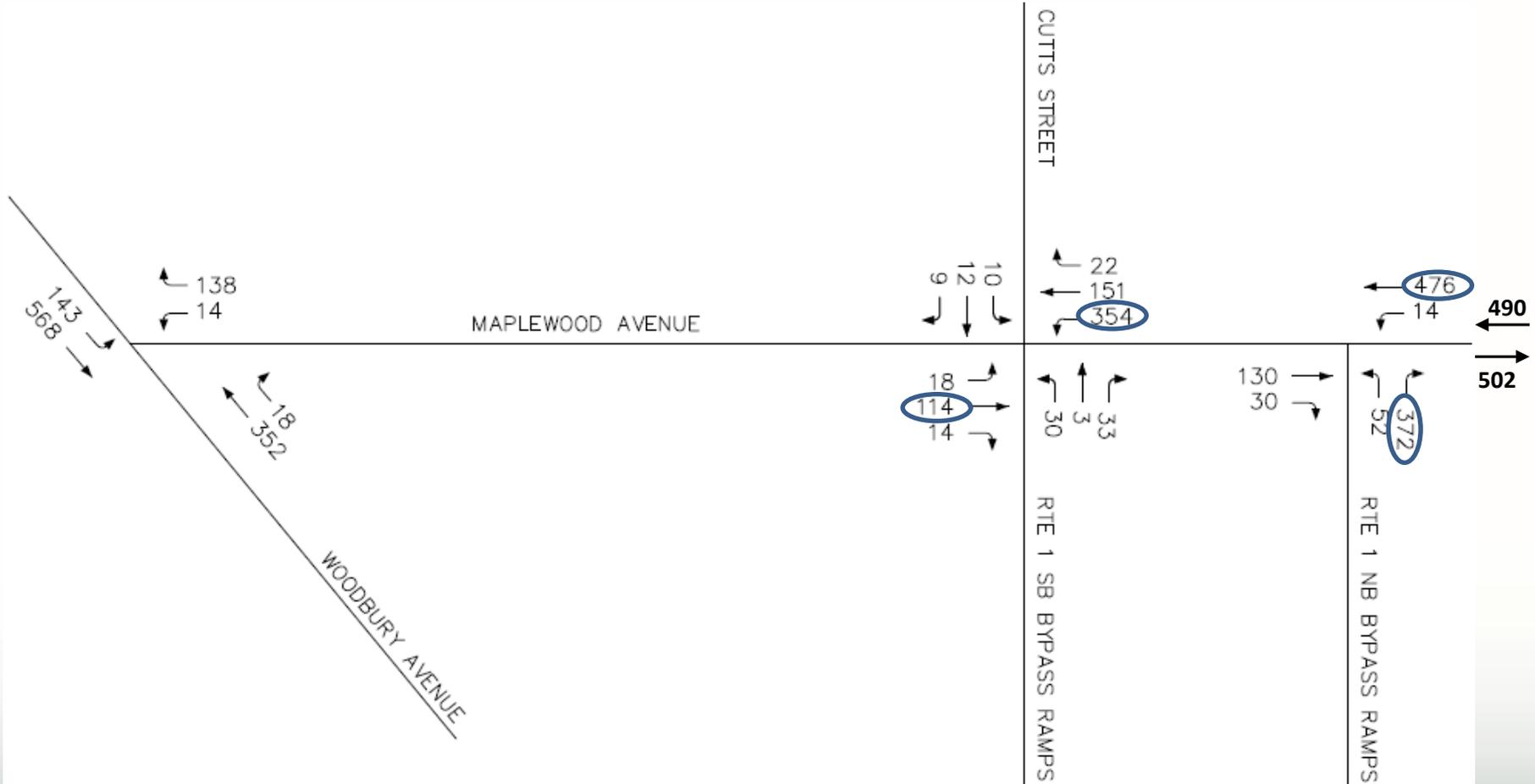
- Posted Speed Limit – 25 mph
- Location 1:
  - Average Daily Traffic – 8,800
  - Peak Hour – 700 (AM), 820 (PM)
  - Toward Downtown – 33 mph
  - Outbound – 35 mph
- Location 2:
  - Average Daily Traffic – 2,300
  - Peak Hour – 170 (AM), 230 (PM)
  - Toward Downtown – 36 mph
  - Outbound – 37 mph



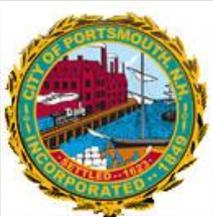
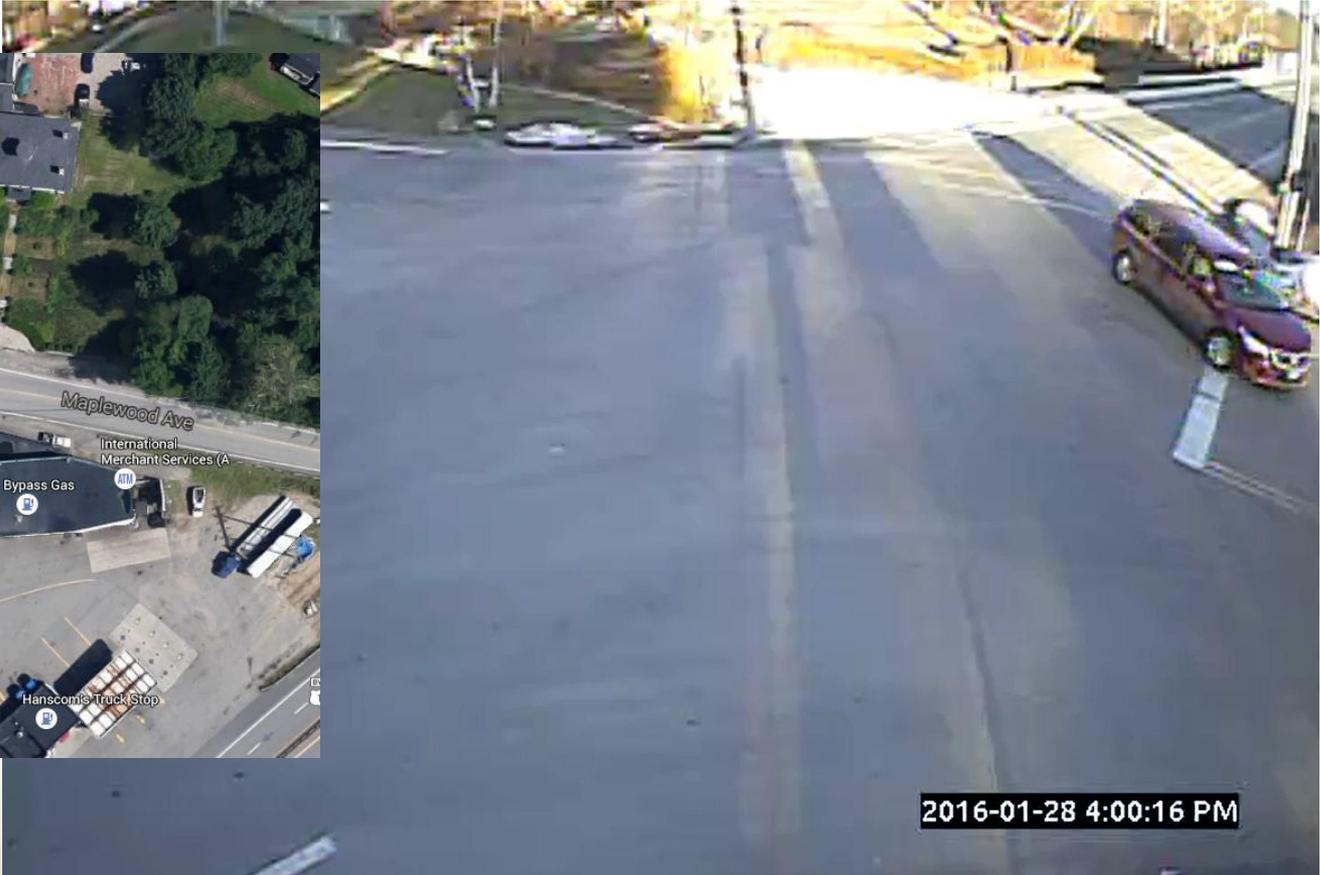
# Data Collection – AM Peak Hour:



# Data Collection – PM Peak Hour:



# Data Collection – Observations



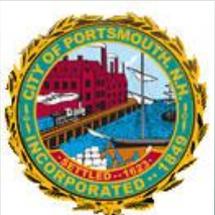
# Data Collection – Parking Observations:

## January 27, 2016

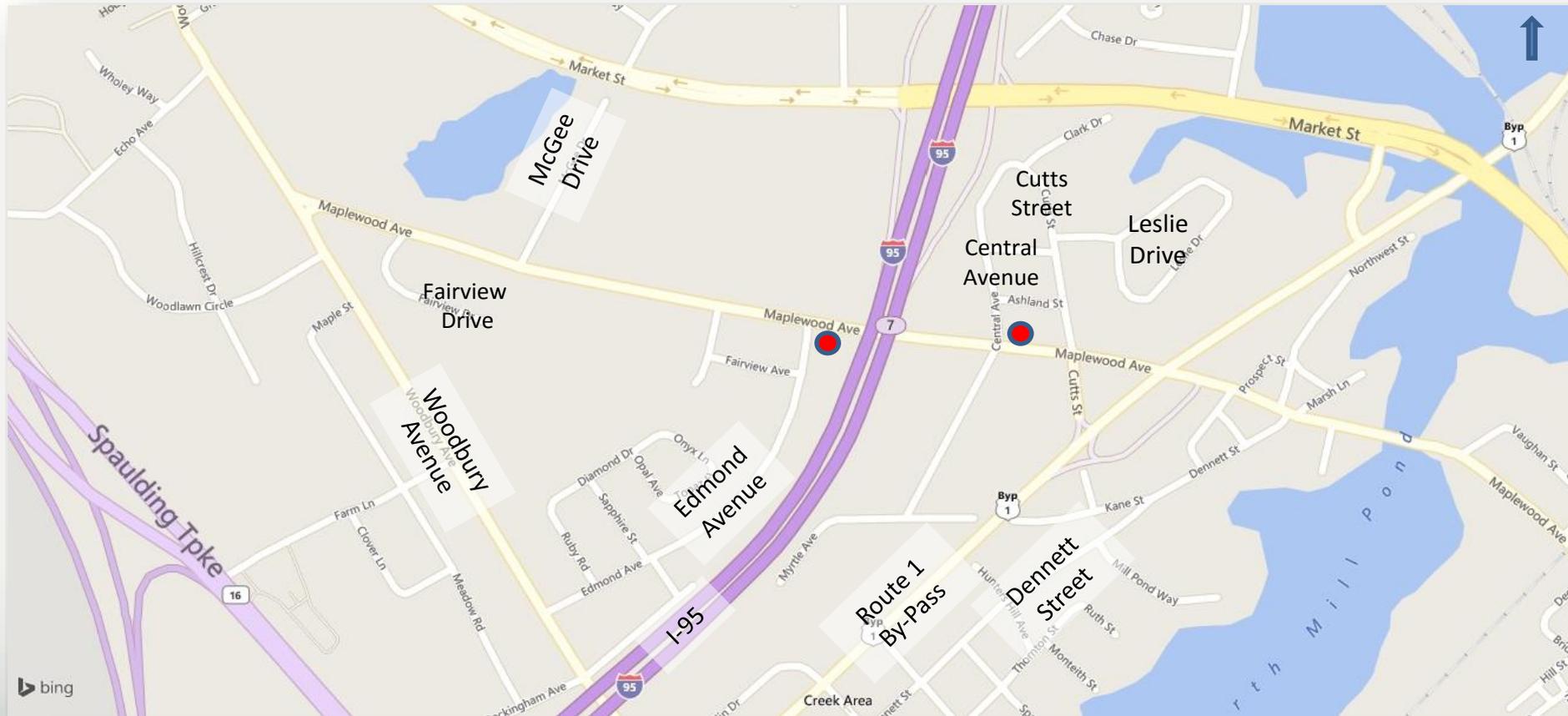
- Wednesday 6am-8am
- Wednesday 11am-1pm
- Wednesday 6pm-8pm

## January 30, 2016

- Saturday 6am-8am
- Saturday 11am-1pm
- Saturday 6pm-8pm

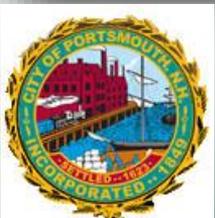


# Data Collection: Parking Observations

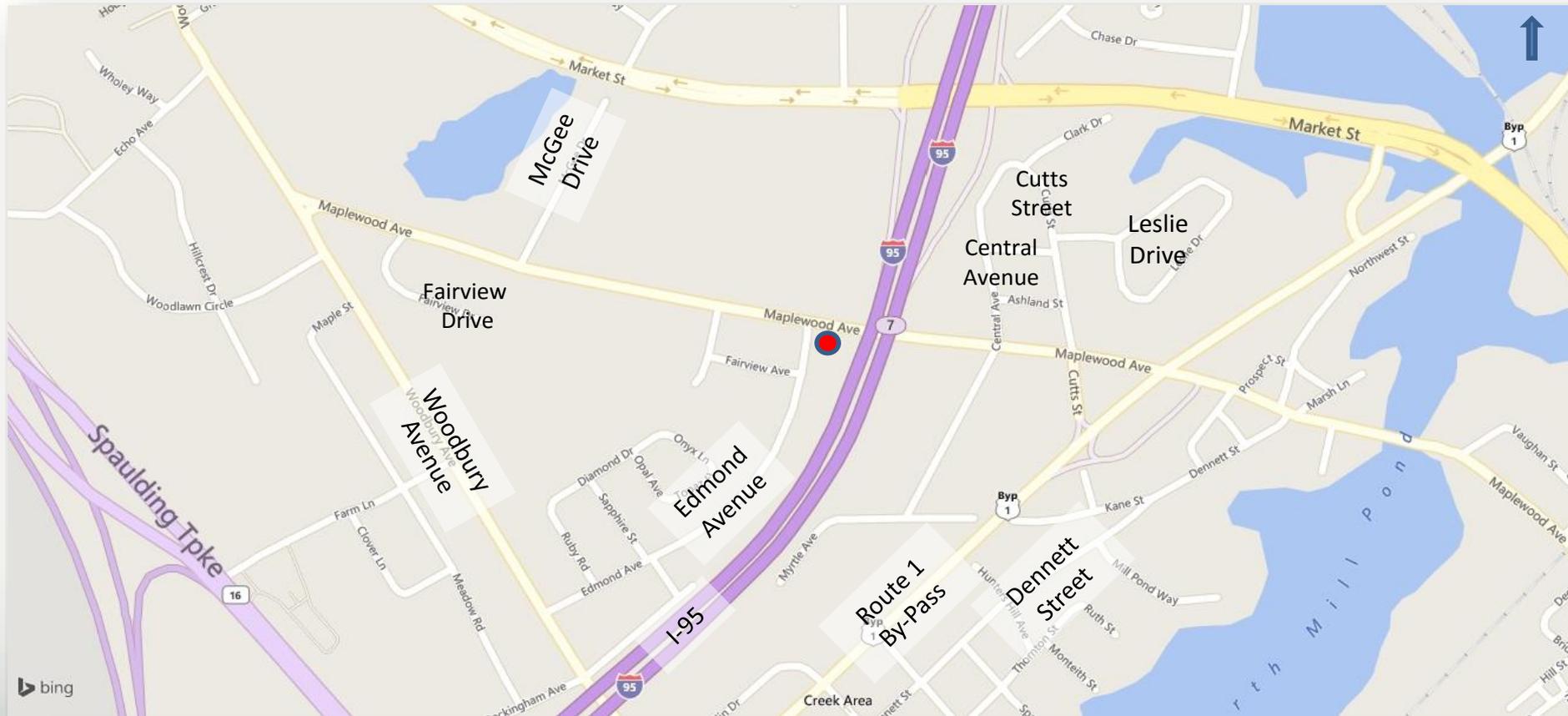


Weekday 6-8am

Maplewood Avenue & Adjacent Areas

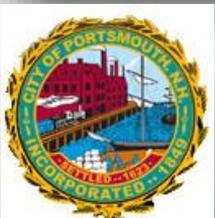


# Data Collection: Parking Observations

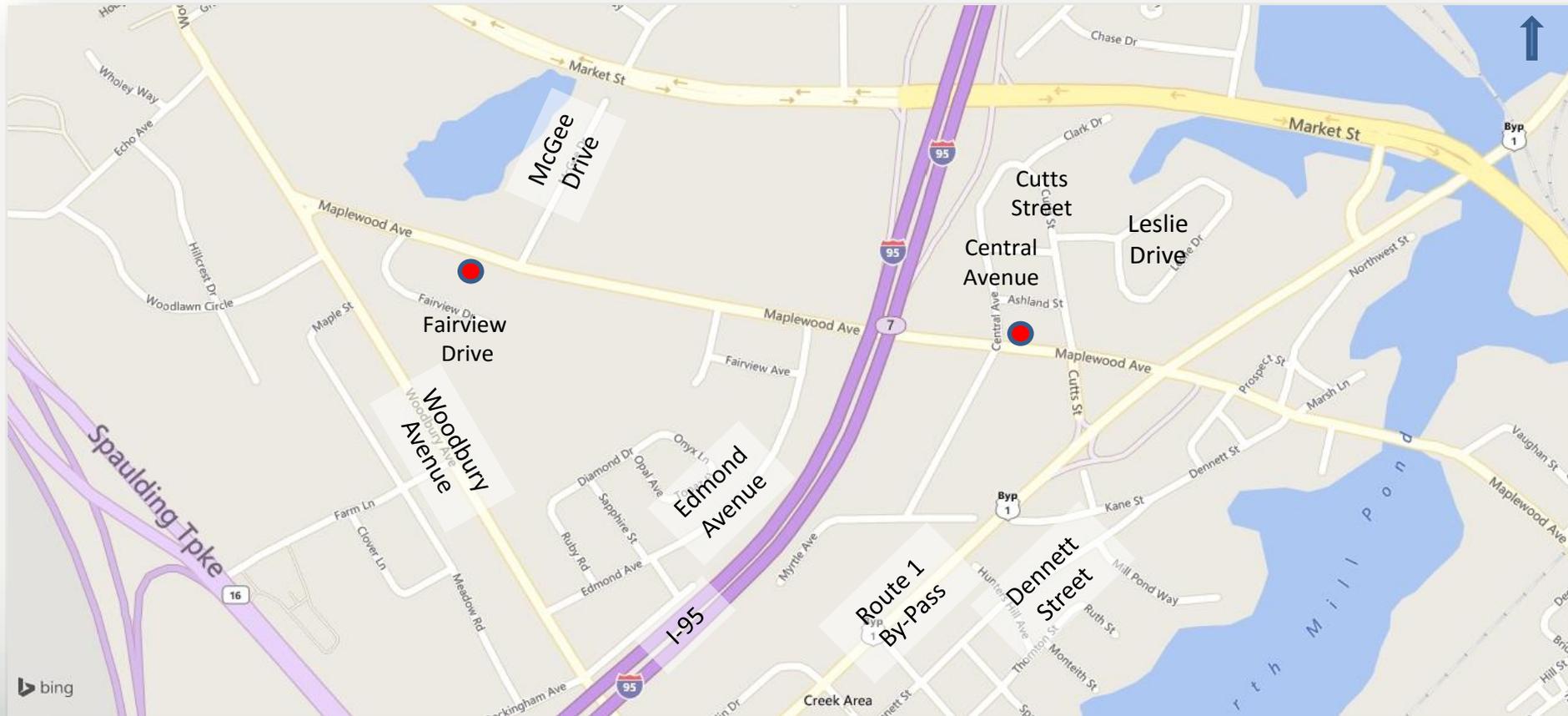


Weekday 11am-1pm

Maplewood Avenue & Adjacent Areas

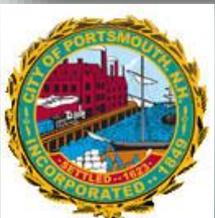


# Data Collection: Parking Observations

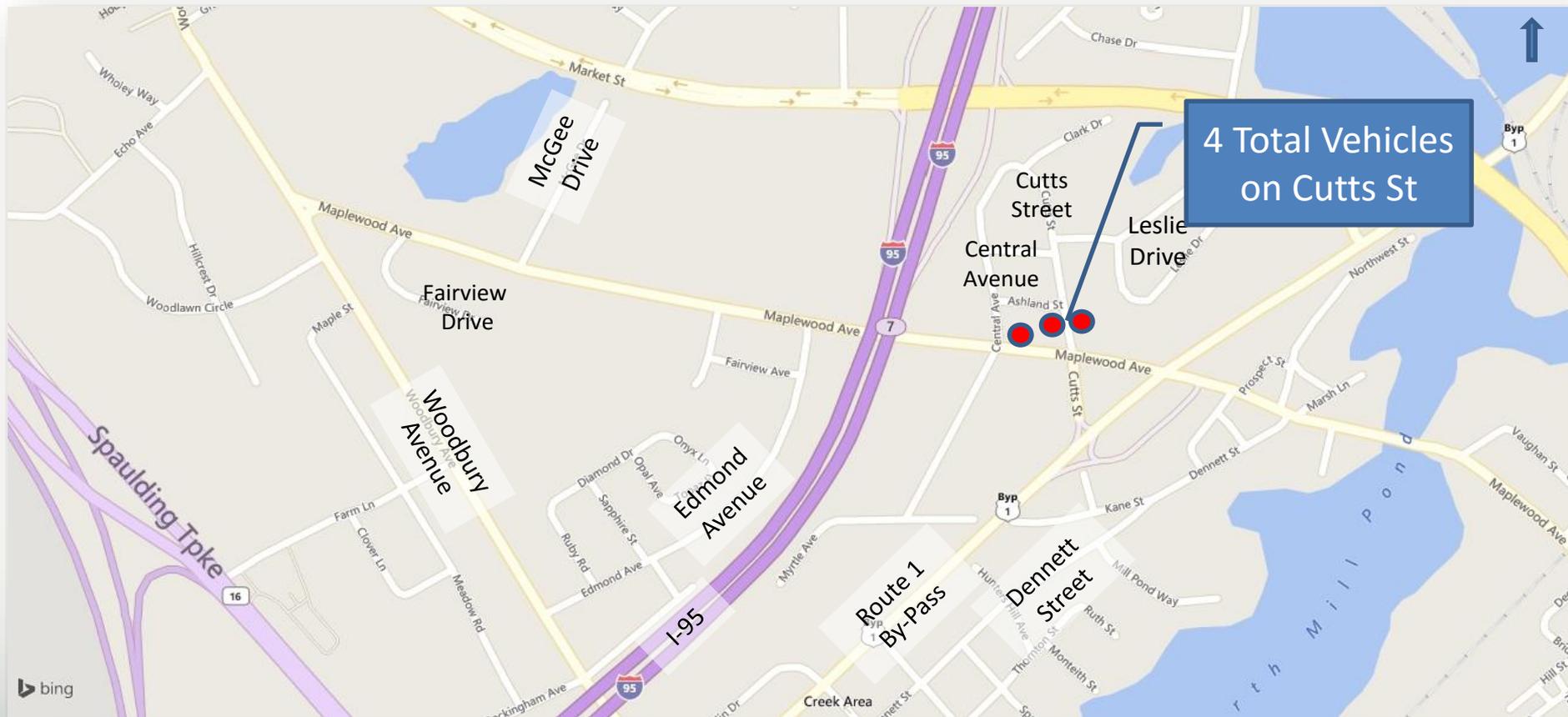


Weekday 6-8pm

Maplewood Avenue & Adjacent Areas



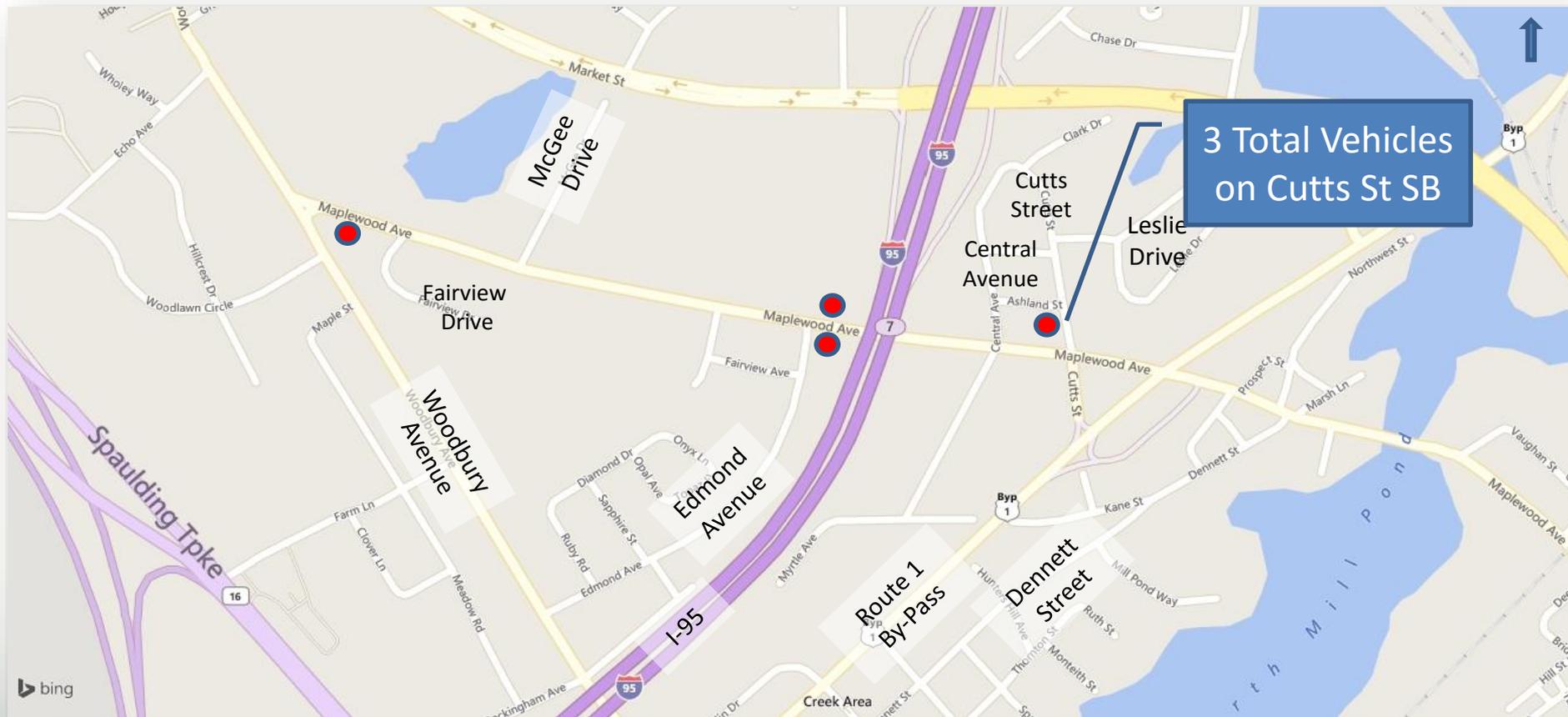
# Data Collection: Parking Observations



Saturday 6-8am

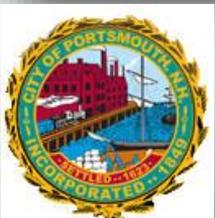
Maplewood Avenue & Adjacent Areas

# Data Collection: Parking Observations

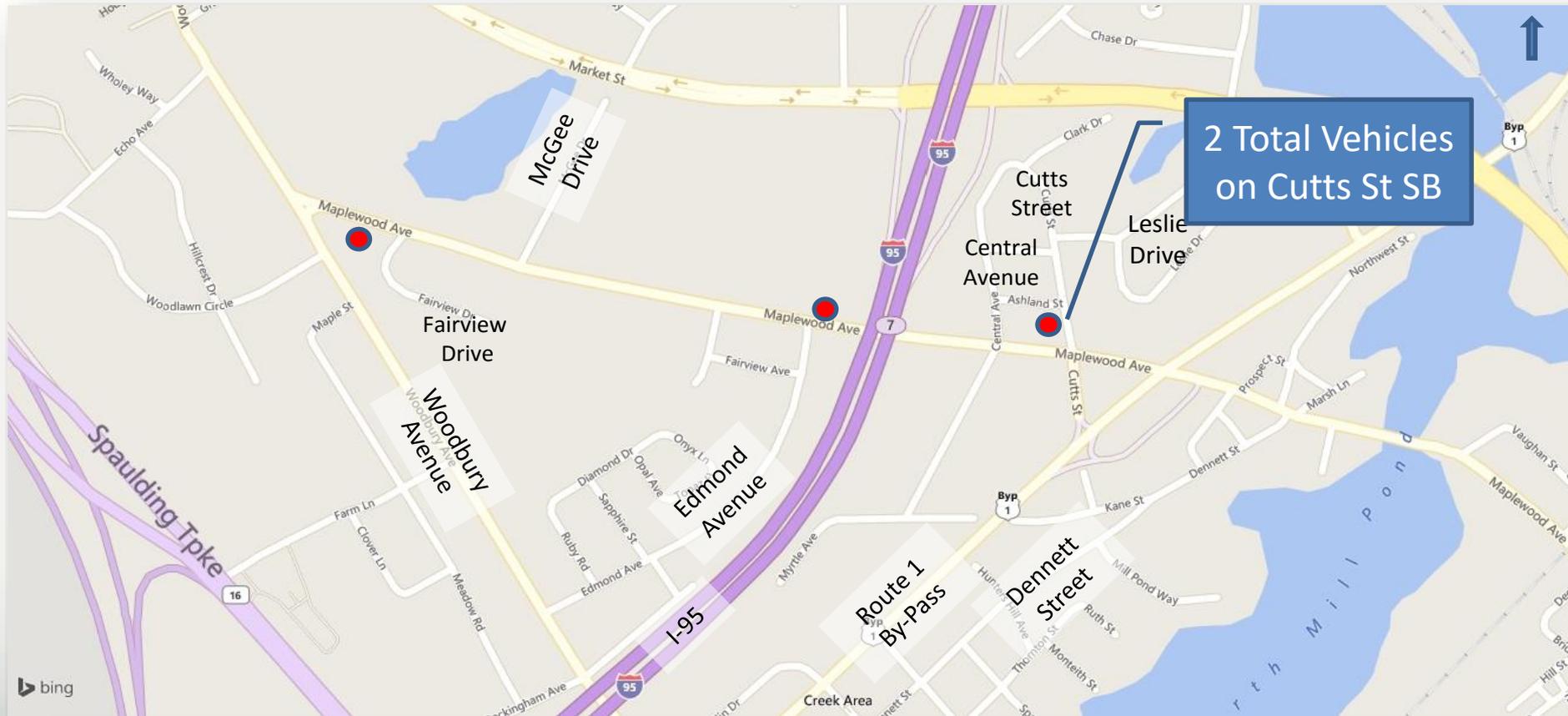


Saturday 11am-1pm

Maplewood Avenue & Adjacent Areas

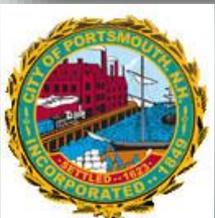


# Data Collection: Parking Observations



Saturday 6-8pm

Maplewood Avenue & Adjacent Areas



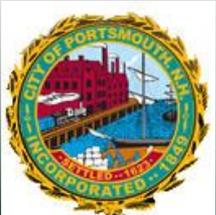
# Data Collection – Parking Observations:

## Maplewood Avenue:

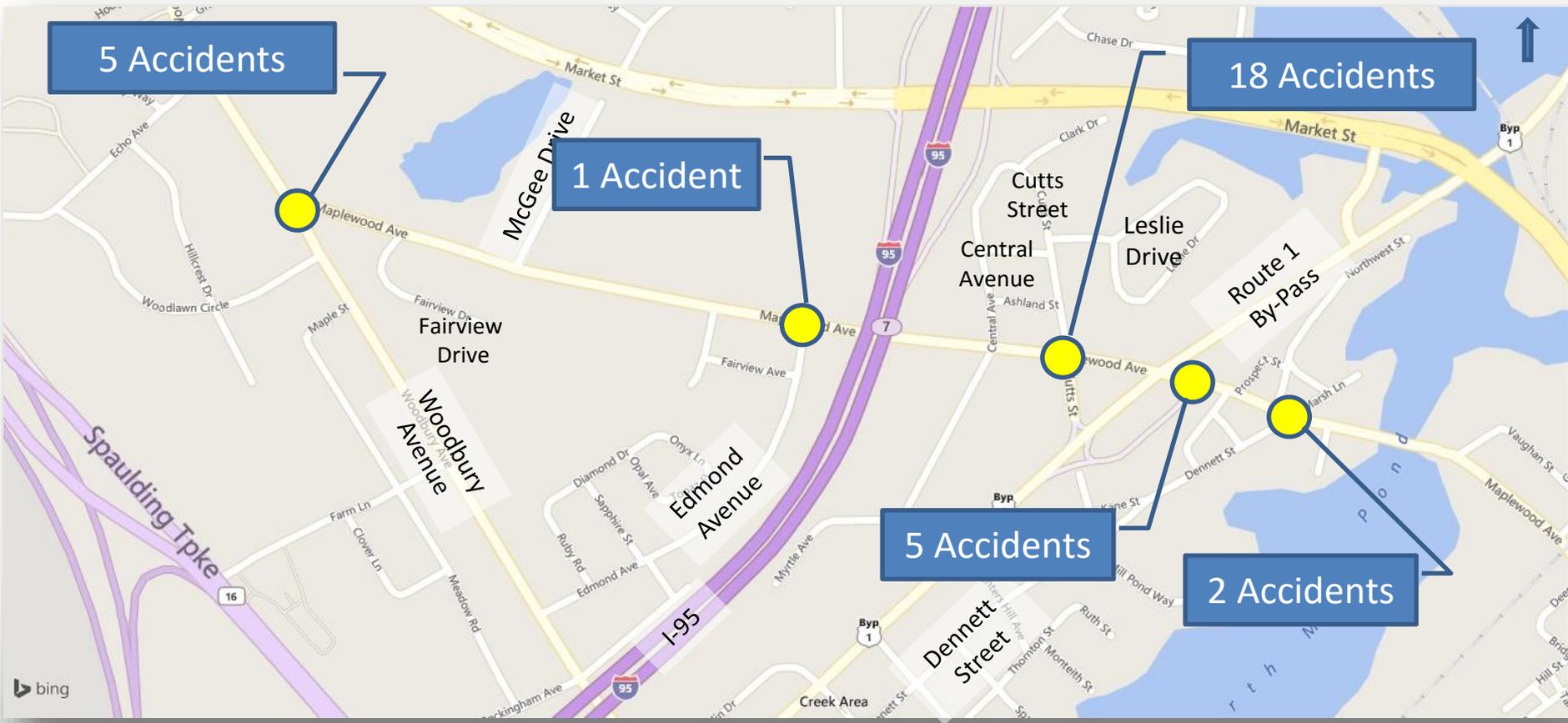
- Some demand
- Sufficient supply on side streets

## Cutts Street:

- Saturday demand
- Regulation recently revisited



# Data Collection: Accident Reports (2009-June 2013)



# Public Input Summary:

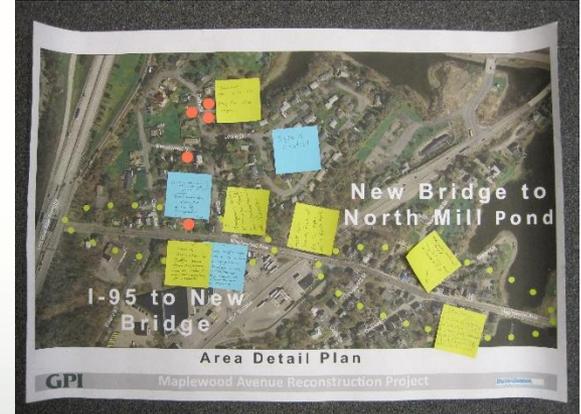
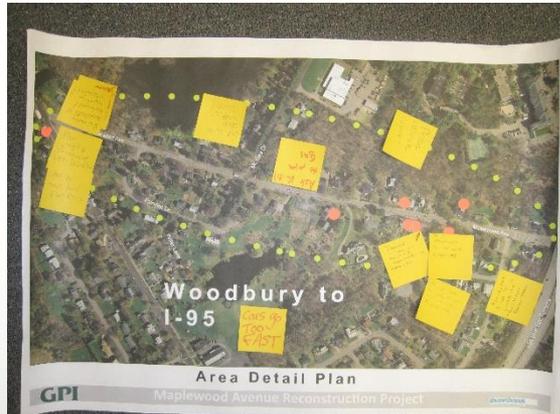
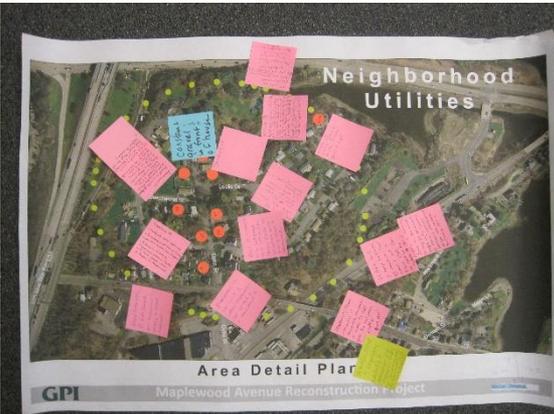
Cars going fast  
 Drainage low areas  
 Coordination w/ other utilities  
 ↳ Gas  
 ↳ UTIL surveys  
 Visibility at Int. of Maplewood & Woodbury  
 Pedestrian & Bike Safety

Traffic light can there  
 cuts/mw. & Bridge  
 could it be a new sig  
 or 4 way stop?  
 What's the implication for  
 whole forks and inc. traff  
 Traffic counts. when/how?  
 real measurement.  
 planning for Bypass Buffering

+ slow down. P.M. Peak exiting  
 traffic.  
 - thru bike access - safety  
 - temporary striping now?  
 - other temp. measures.  
 perception the services end  
 of the RR tracks.  
 - Make it a pleasant walk  
 downtown all the way

interesting landscape  
 features make it a civilized  
 street.  
 - better tree plantings  
 - mw. Bennett st. turns  
 are fast and dangerous  
 for cars/peds/bikes  
 (my) to beneath  
 - Driveway & cuts mansion  
 one-way is dangerous.

Xwalks - everywhere?  
 - School to S.  
 - clear walk routes and make  
 them safe - Xwalks.  
 STOP on Leslie Dr/  
 cuts intersection  
 - Need New ± 95 signs  
 - sight distance @ Molbee Lake  
 East.



# Public Input Summary:



**Maplewood at Woodbury:**  
-Consider raised crosswalk.  
-Roundabout not preferred.  
-Leave it alone.  
-Add low vegetation.  
-Make a T-intersection.  
-Visible crosswalk.  
-Gateway to neighborhood.  
-Ban signs in existing island.  
-Vehicles going too fast to Maplewood and on Woodbury.

**Maplewood at Woodbury:**  
-Natural Gas service.  
-Public sewer for homes on east side.

**Mc Gee Dr at Maplewood Avenue:**  
-Poor sign lines to take a left onto Maplewood.  
-Maplewood vehicles driving too fast.

**Fairview Drive:**  
-Leave old service in place.  
-Drainage issues.

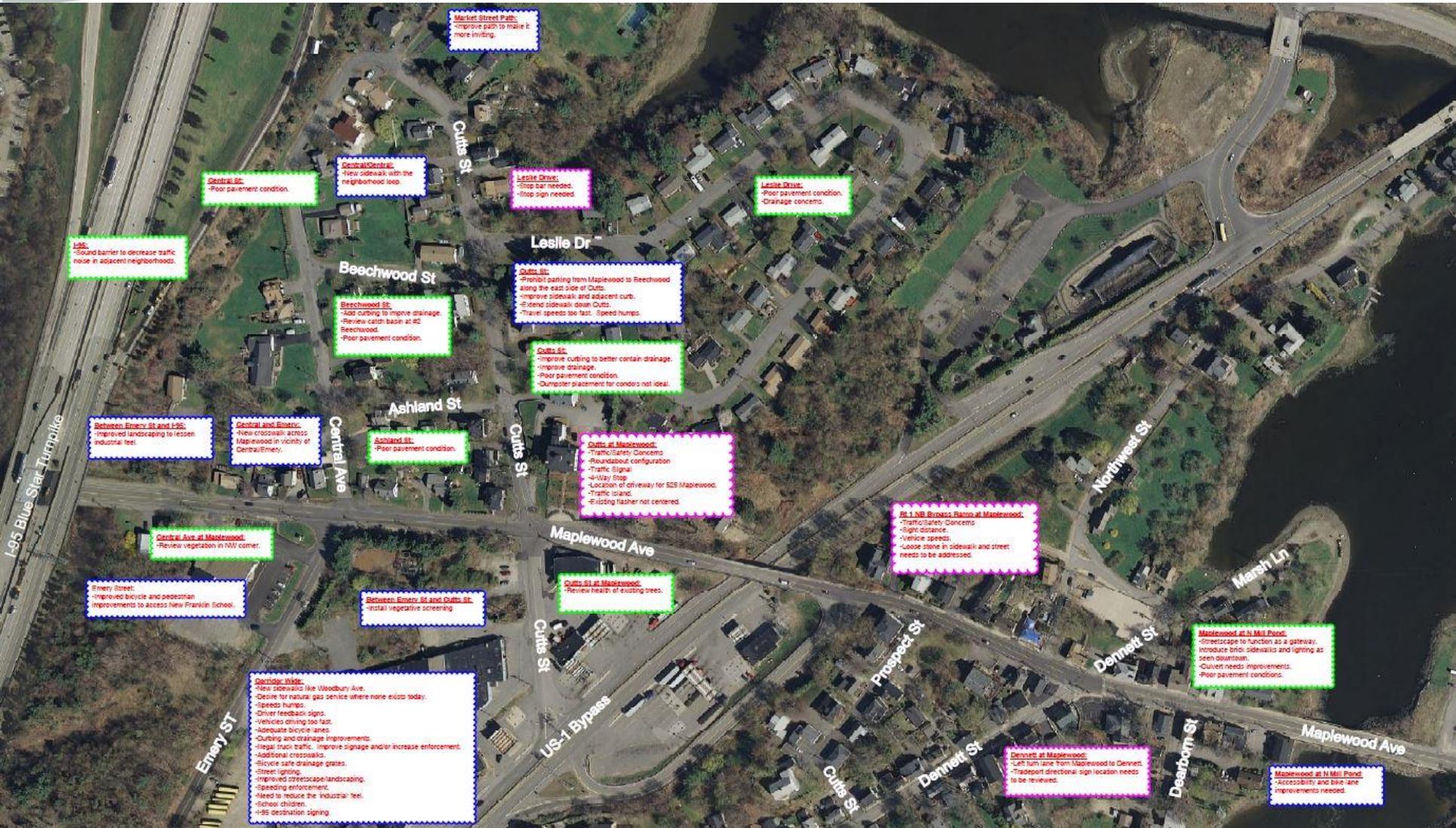
**Greenspace:**  
-Could former Leslie Market become a public park of public-private investment which connect to the pond?

**Maplewood at Fairview:**  
-Drainage concerns.

**Edmond Avenue:**  
-Improved bicycle and pedestrian improvements to access New Franklin School.



# Public Input Summary:



# Public Input Summary:

## Maplewood Avenue:

- Sidewalk Repairs/Replacement
- Speed humps
- Vehicles driving too fast
- Bicycle accommodation
- Drainage issues
- Accommodate school children
- Crosswalks
- Neighborhood feel
- Pavement conditions (neighborhoods)

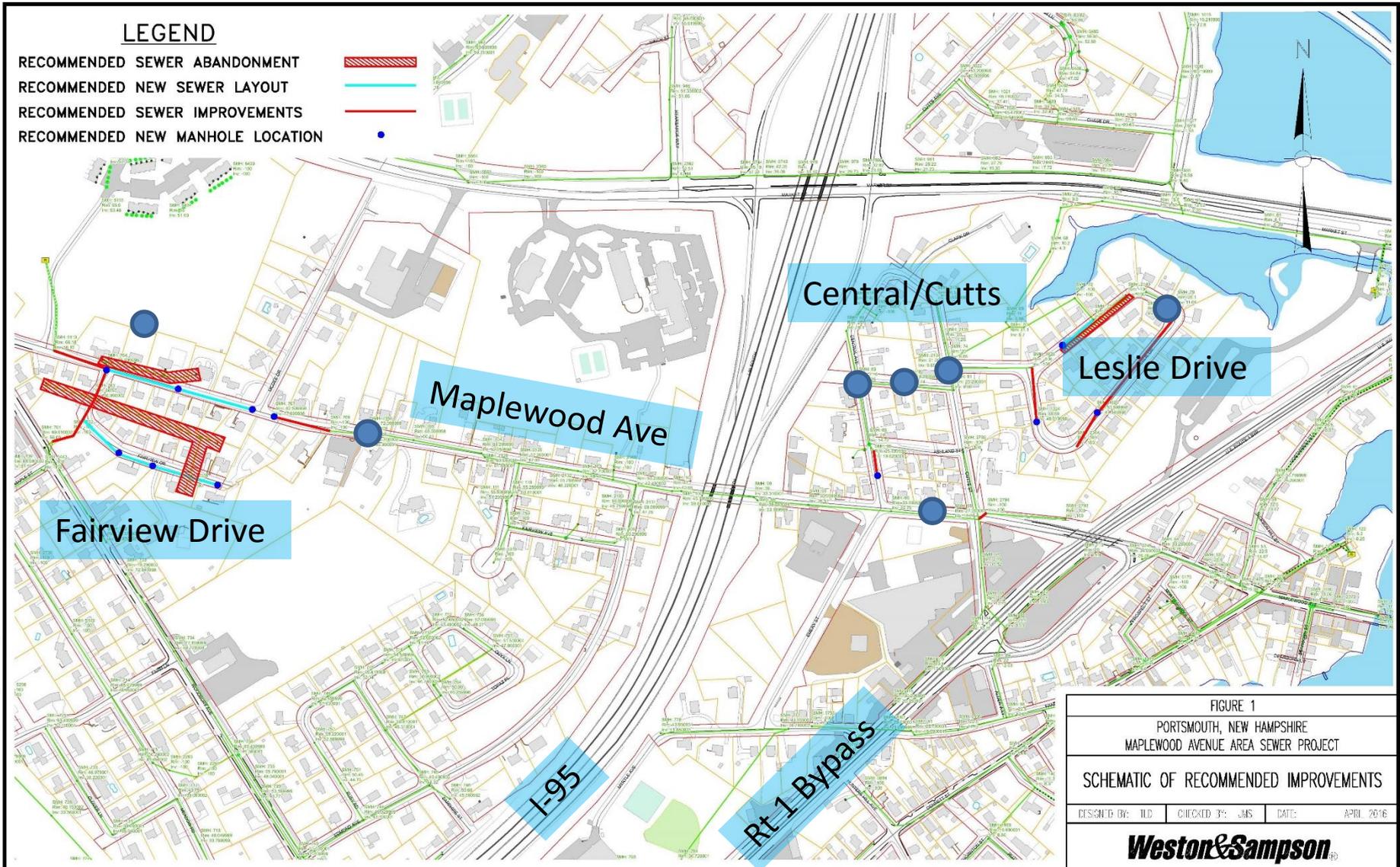


## Conceptual Improvements:

- Utility Improvements
- Adjacent Area Improvements
- Maplewood Avenue Concept
- Intersection Concepts

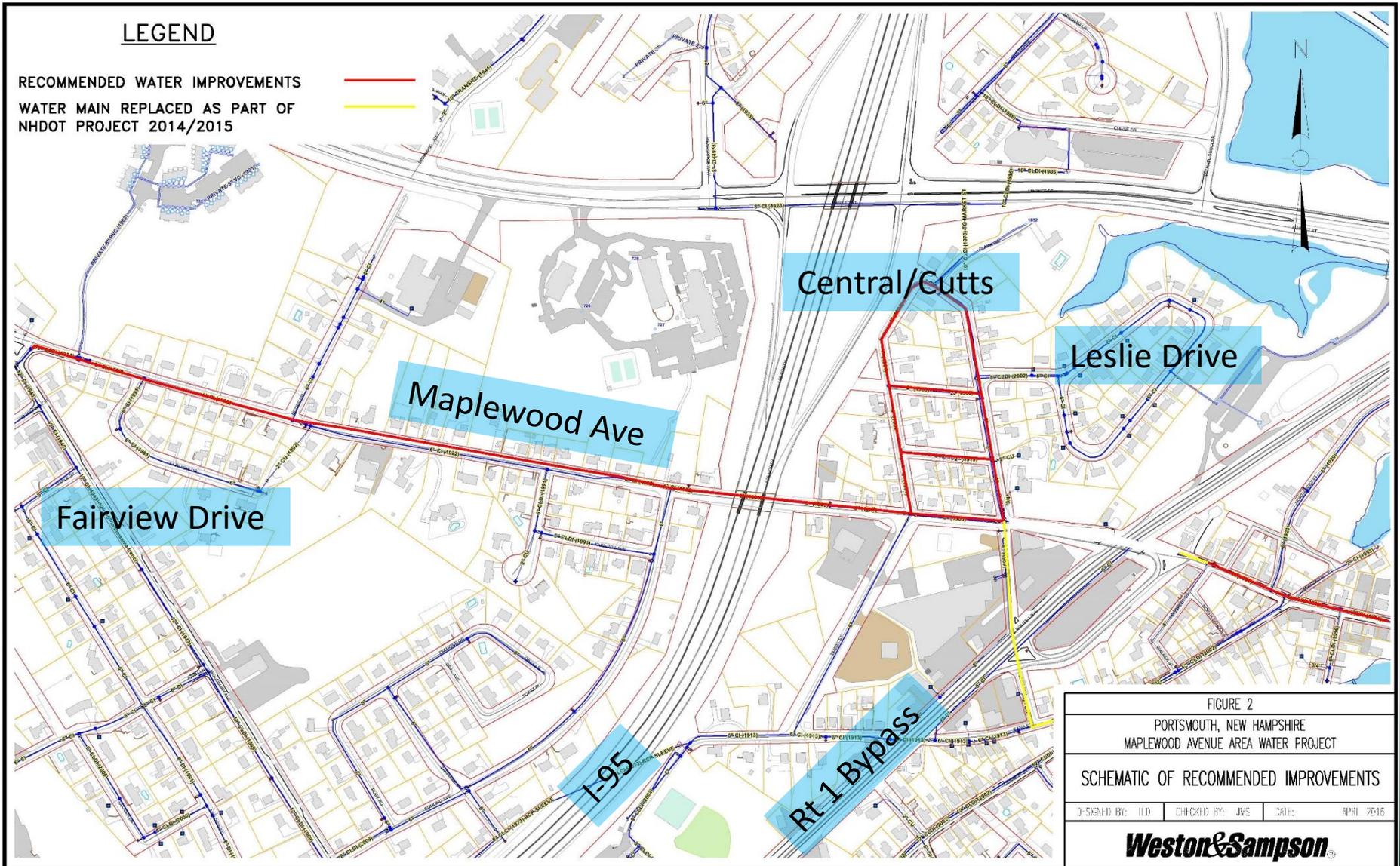


# Utility Improvements – Sewer/Drainage:



# Utility Improvements - Water:

Weston & Sampson



# Adjacent Area Improvements:

- Fairview Drive
  - Sewer relocation
  - Trench repair and overlay
- Central/Cutts/Beechwood/Ashland
  - Water
  - Drain/Partial Curbing
  - Road reconstruction
  - Sidewalk
- Leslie Drive
  - Primary: Sewer spot repairs/Drainage
  - Primary: Selected roadway reconstruction
  - Secondary: Curbing

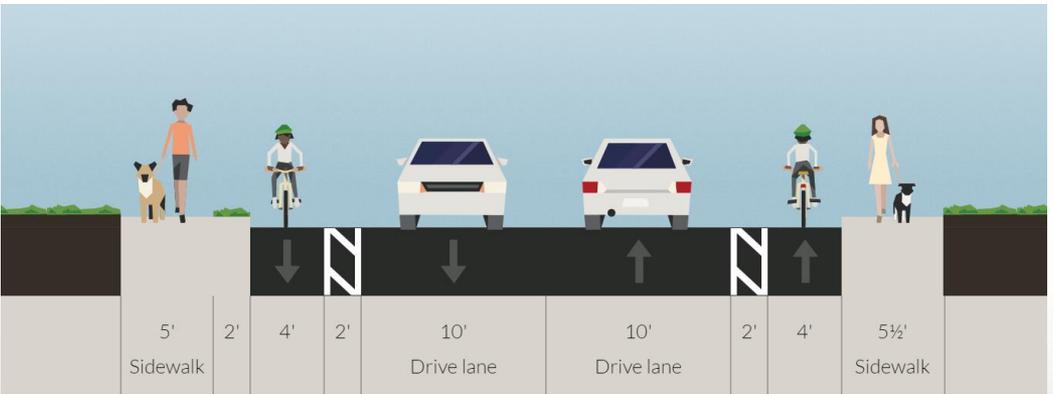
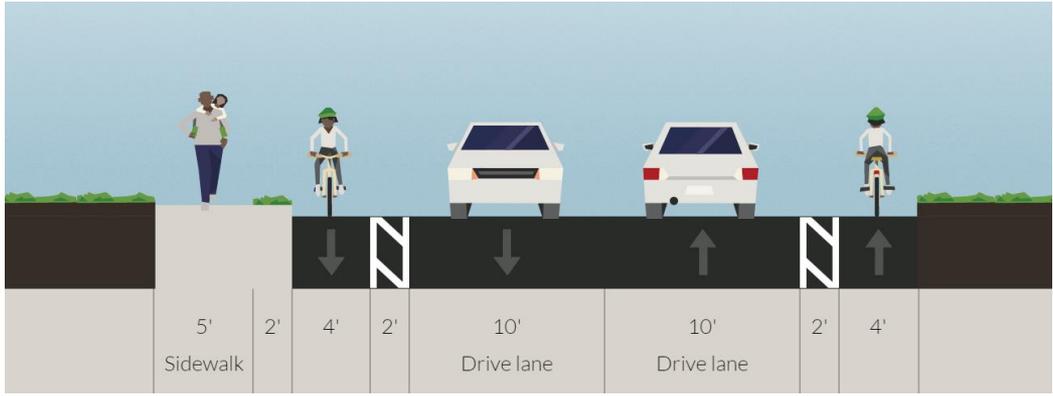


## Maplewood Avenue Concept:

- Traffic Calming
- Sidewalk
- Bicycle Accommodations
- Grass Buffer (where possible)
- Curbing/Drainage
- Utility Coordination
- Street Tree Plantings (where possible)



# Maplewood Avenue Concept:

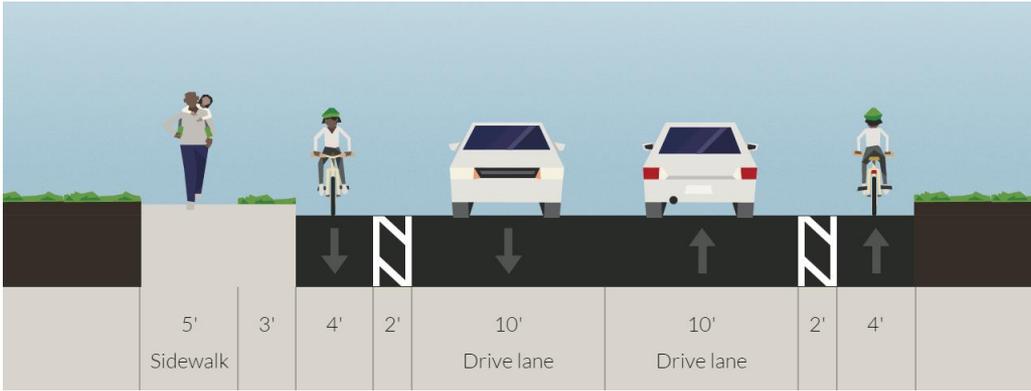


Optional Sidewalk

# Woodbury Avenue to McGee Drive



# Maplewood Avenue Concept:

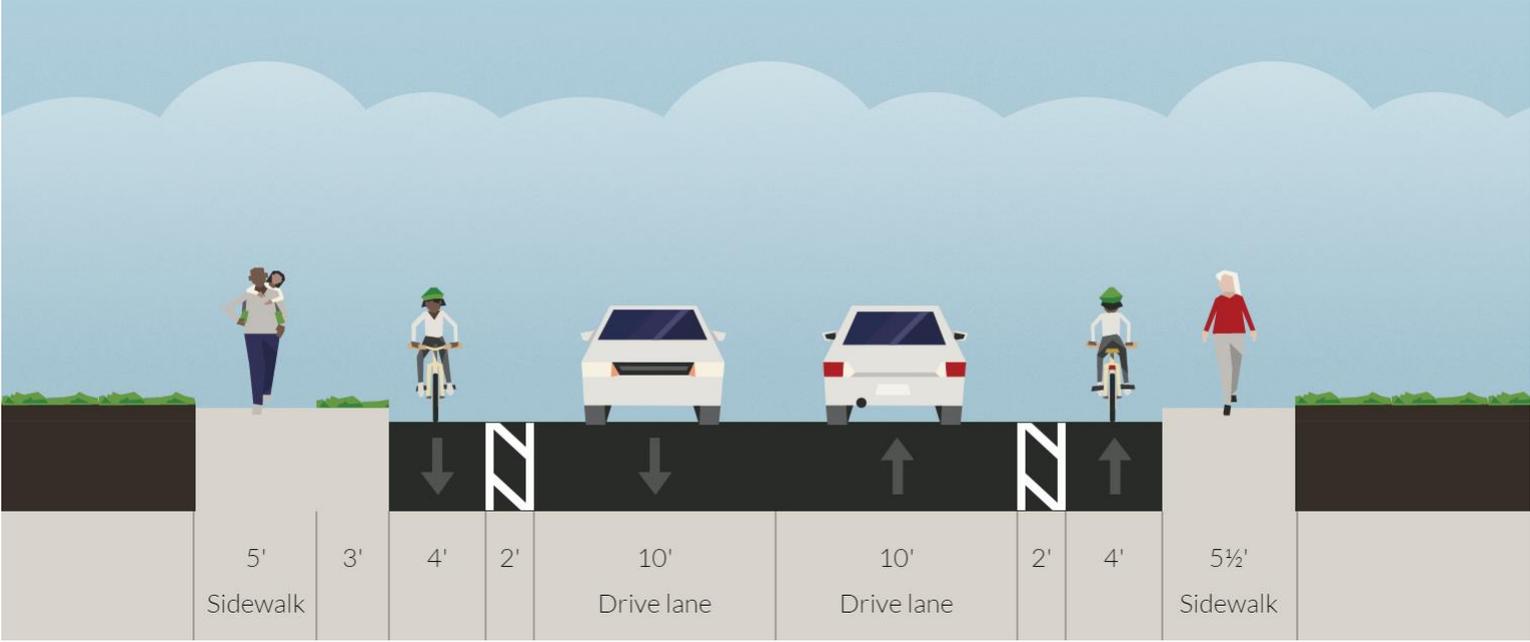


Optional Sidewalk

# McGee Drive to Edmond Avenue



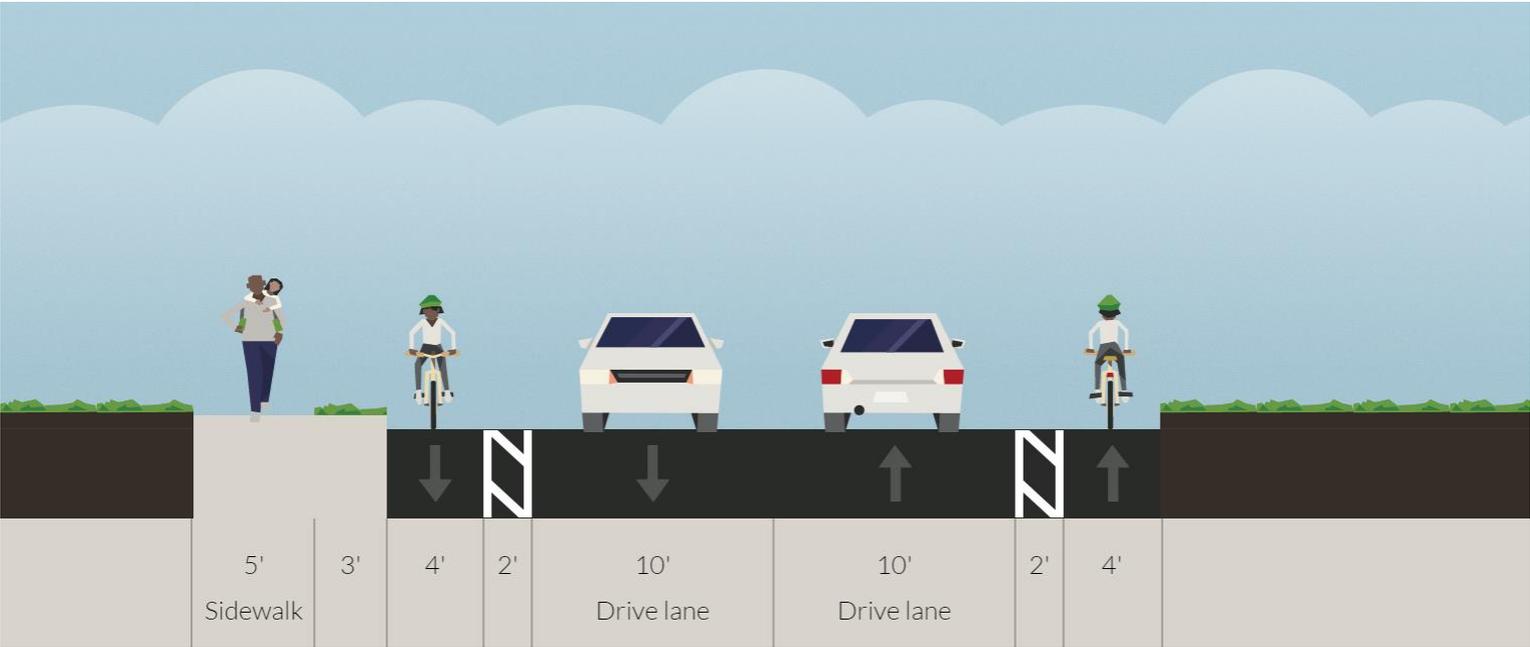
# Maplewood Avenue Concept:



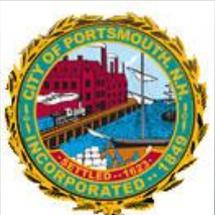
## Edmond Ave to Emery St/Central Ave



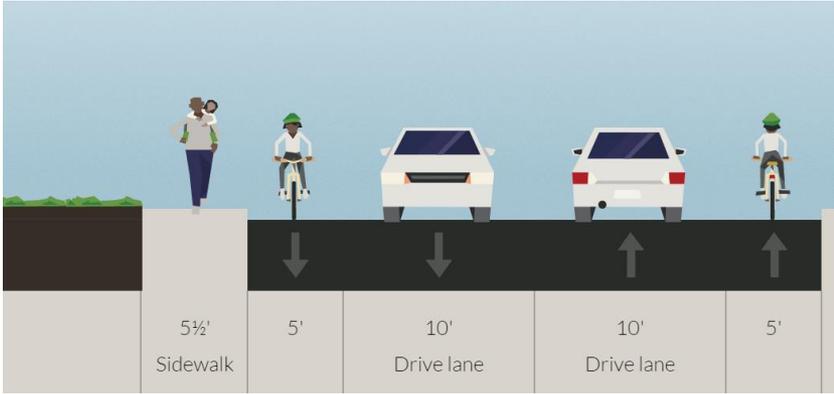
# Maplewood Avenue Concept:



## Emery St/Central Ave to Cutts St

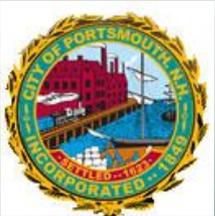


# Maplewood Avenue Concept:

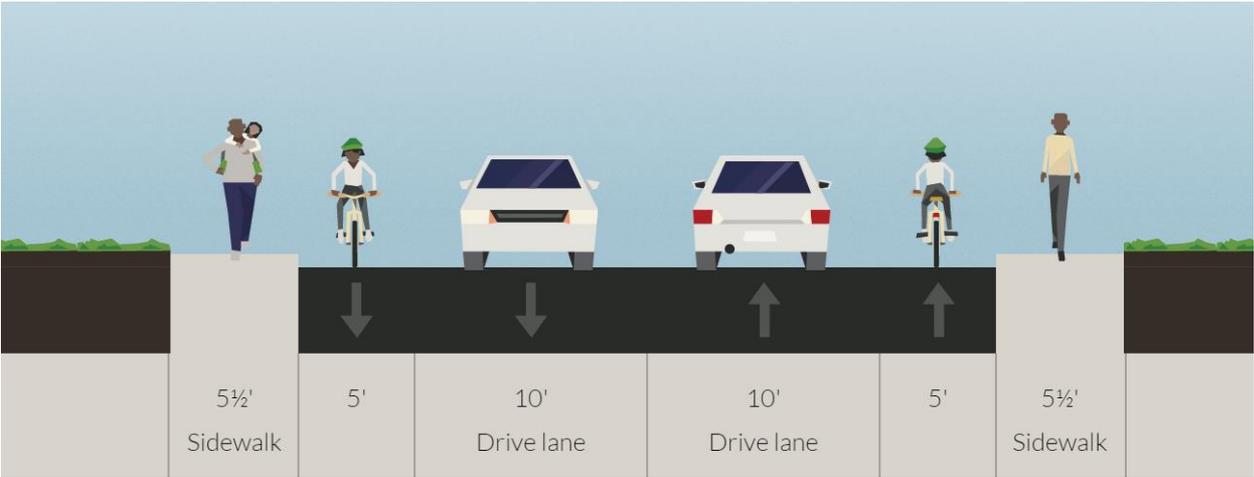


Pinch Point

# Cutts Street to Prospect Street



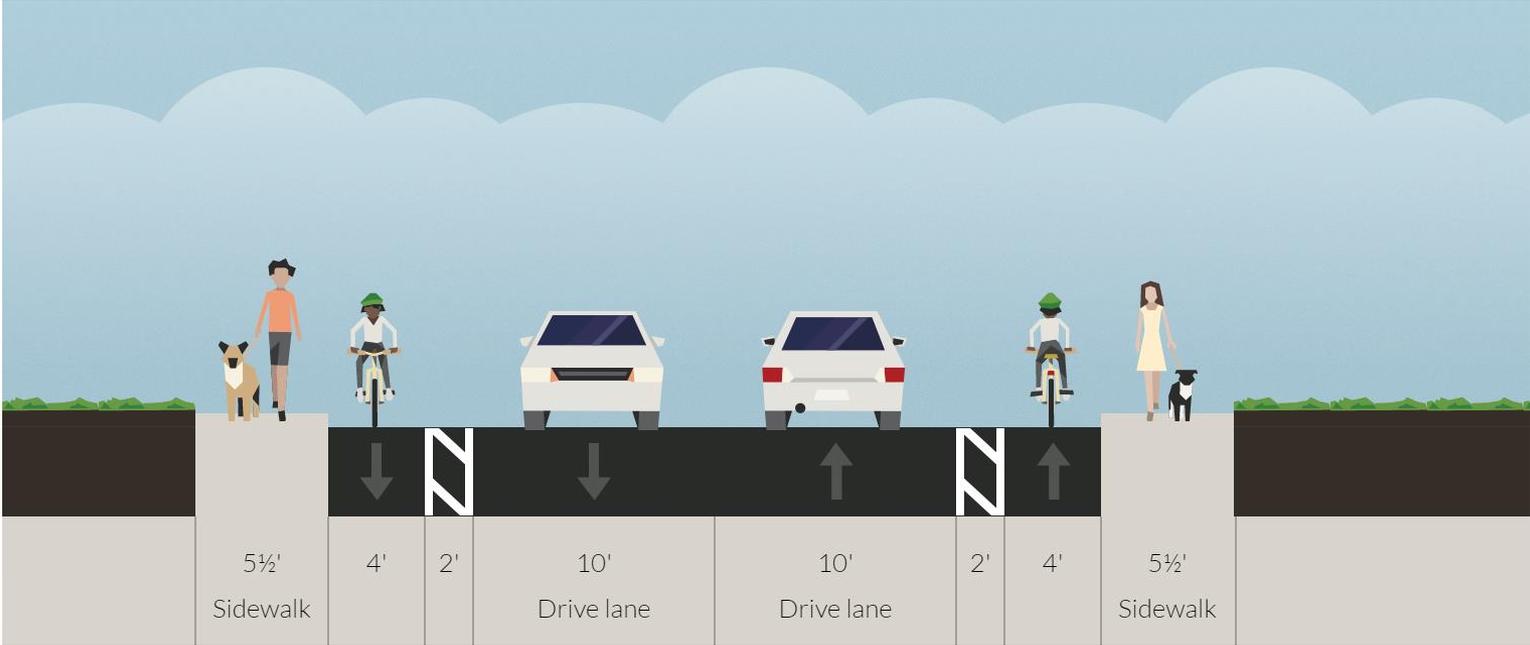
# Maplewood Avenue Concept:



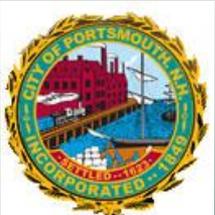
## Prospect Street to Dennett Street



# Maplewood Avenue Concept:



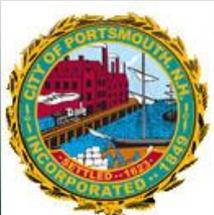
## Dennett Street to North Mill Pond



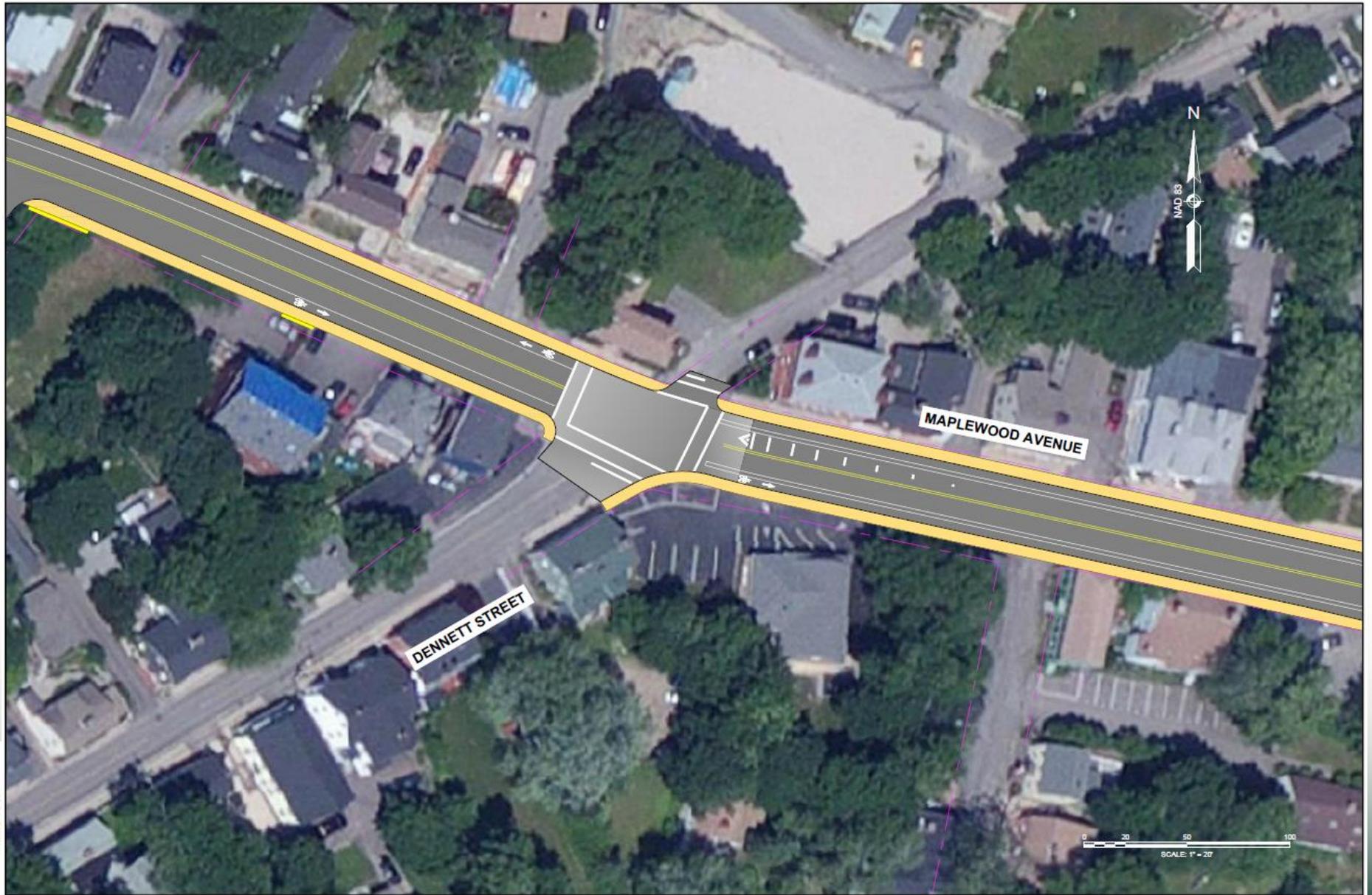
# Intersection Concepts:



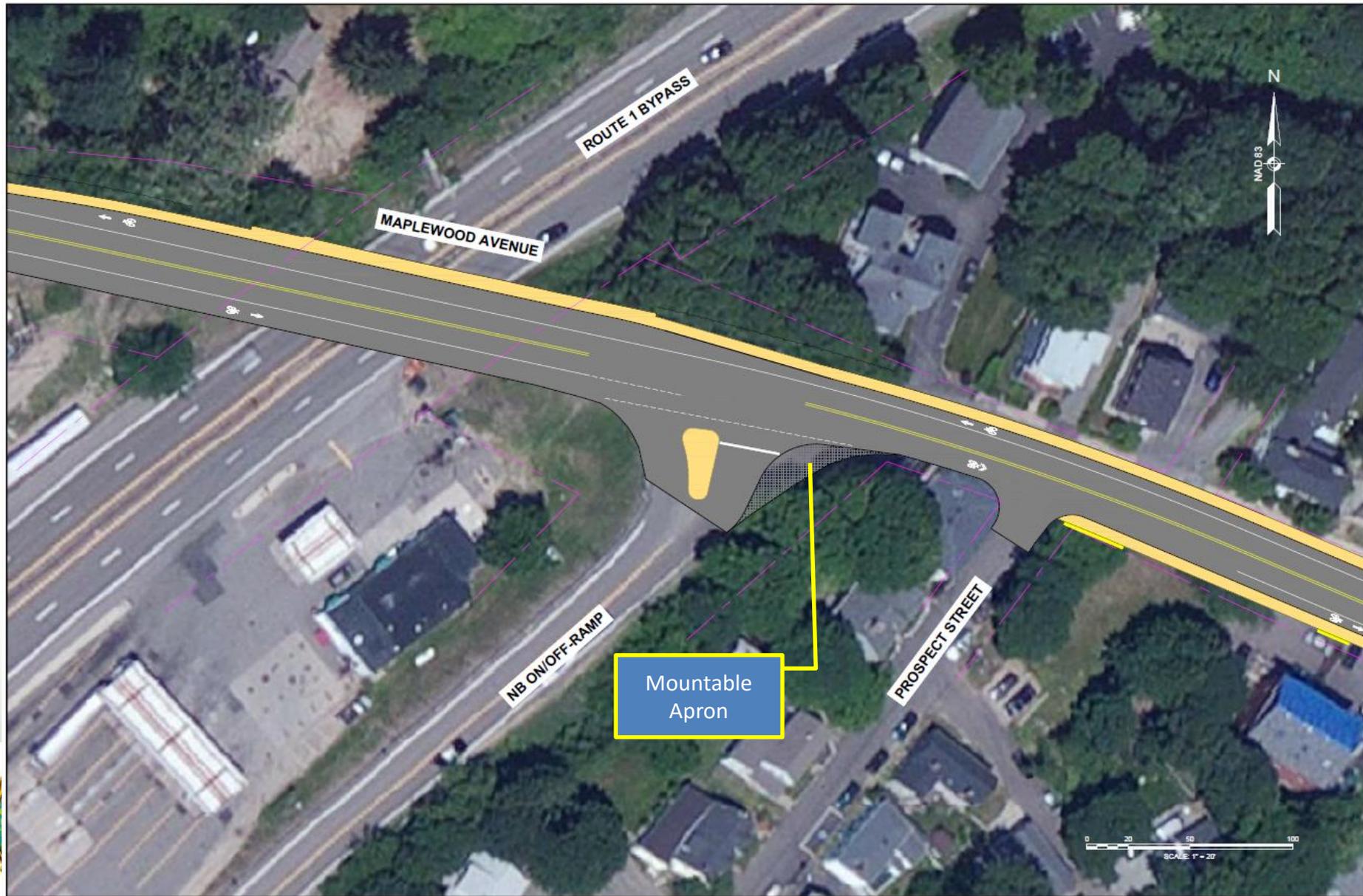
Source: National Association of City Transportation Officials, "Urban Street Design Guide"



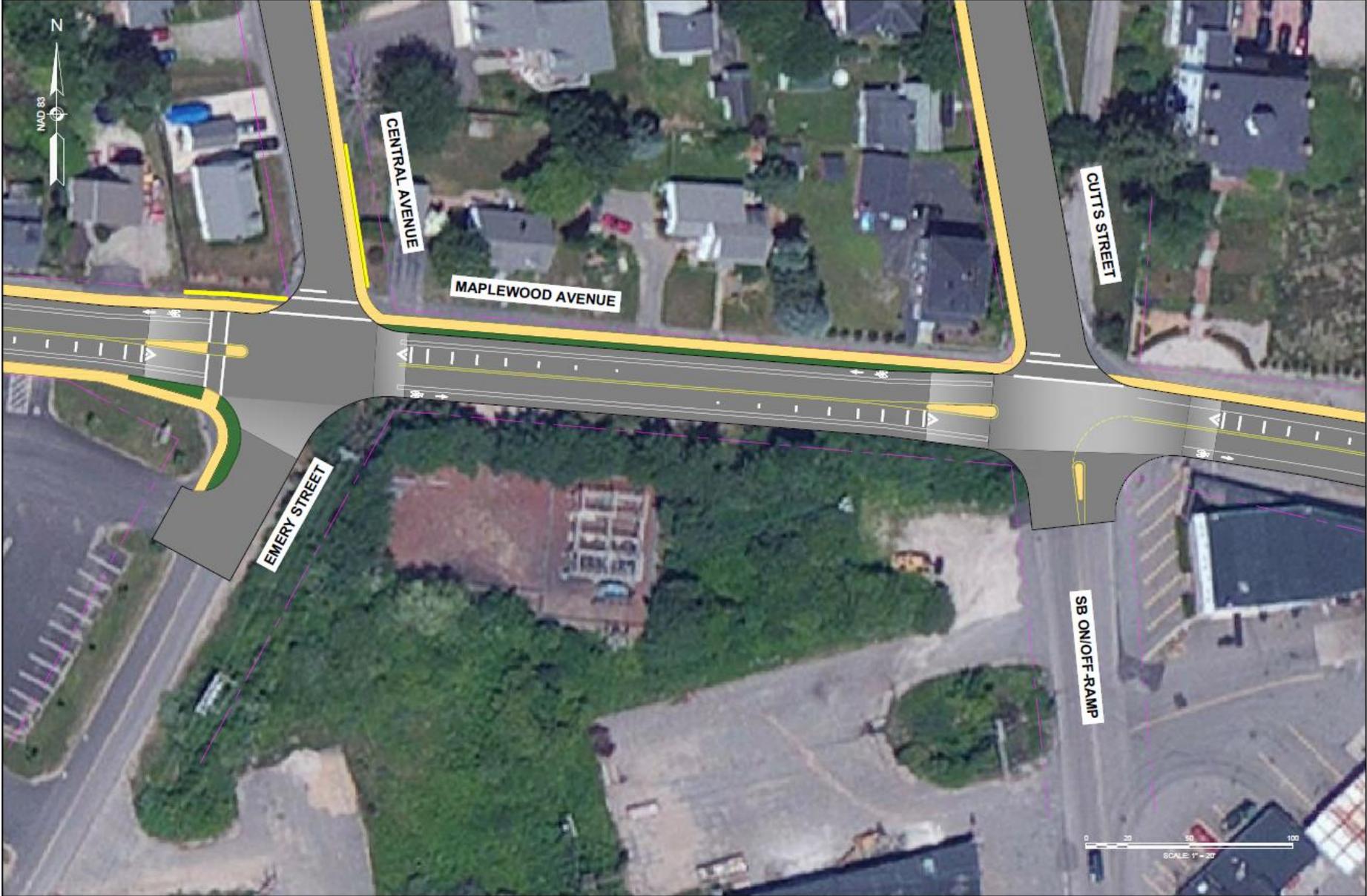
# Intersection Improvements: Dennett Street



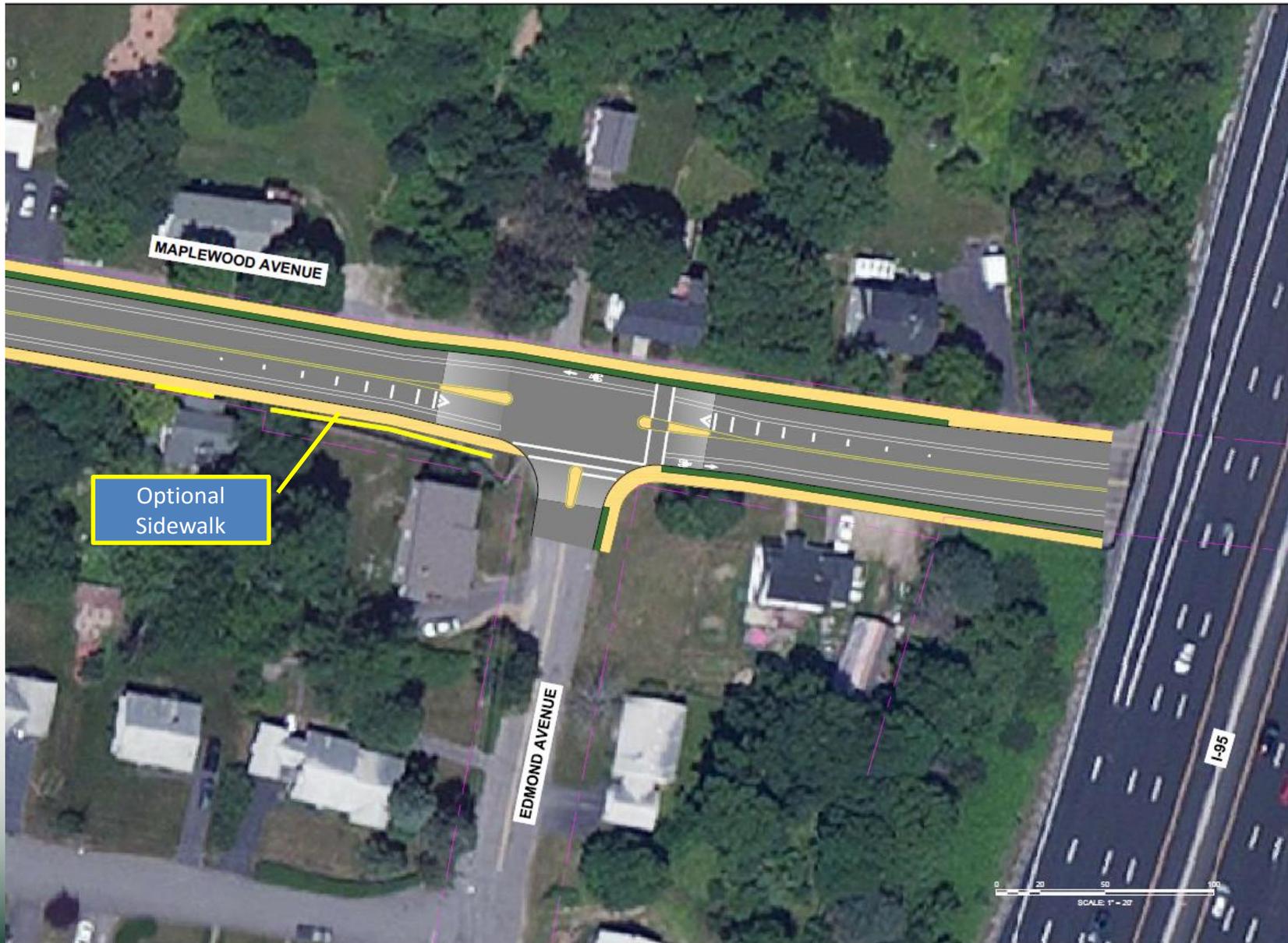
# Intersection Improvements: NB Bypass Ramps



# Intersection Improvements: Central/Emery & Cutts

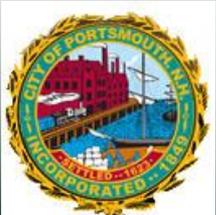


# Intersection Improvements: Edmond Avenue

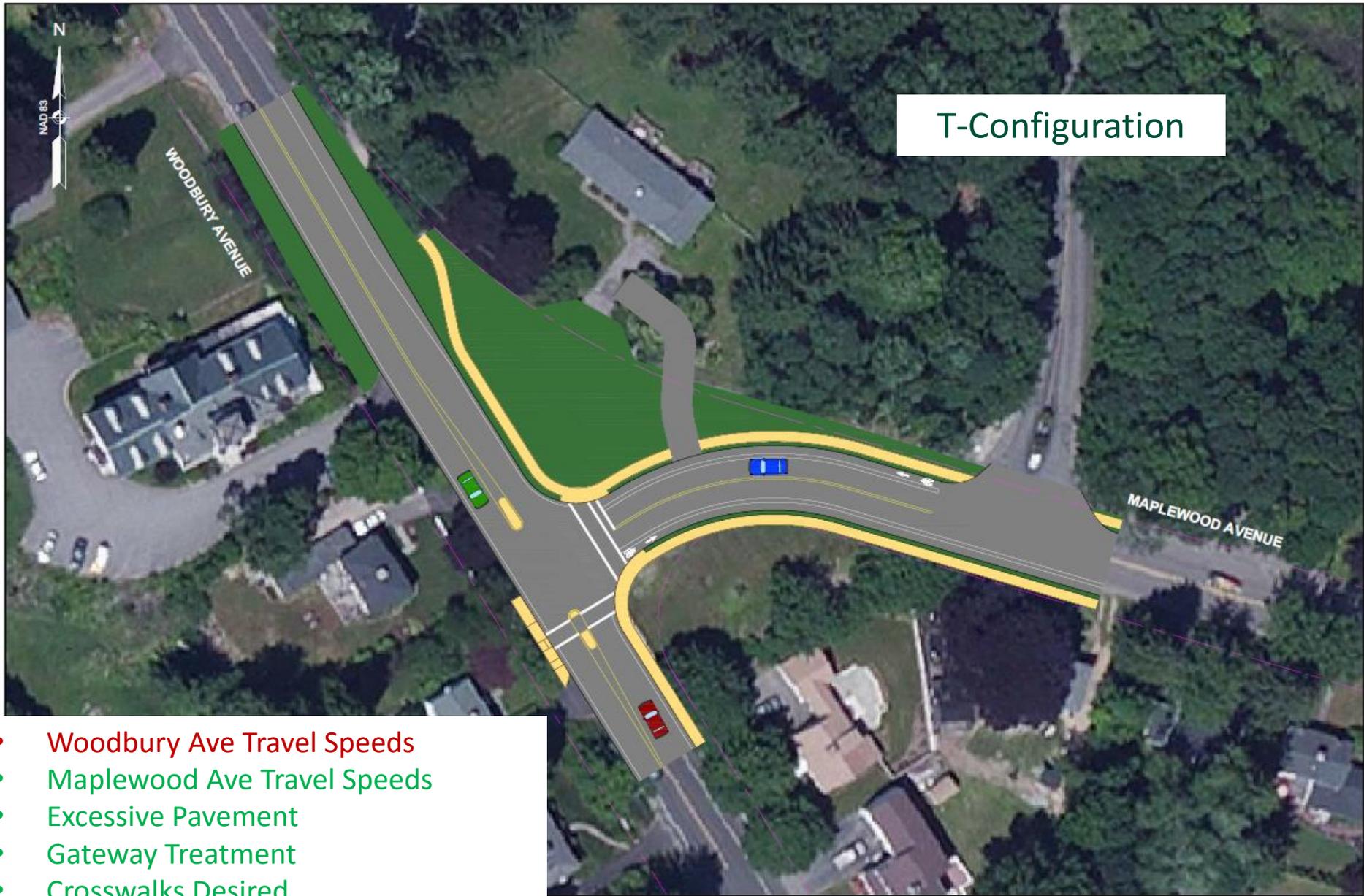


# Maplewood Avenue at Woodbury Ave:

- Concerns
  - Woodbury Ave Travel Speed
  - Maplewood Ave Travel Speeds
  - Excessive Pavement
  - Gateway Treatment
  - Crosswalks Desired

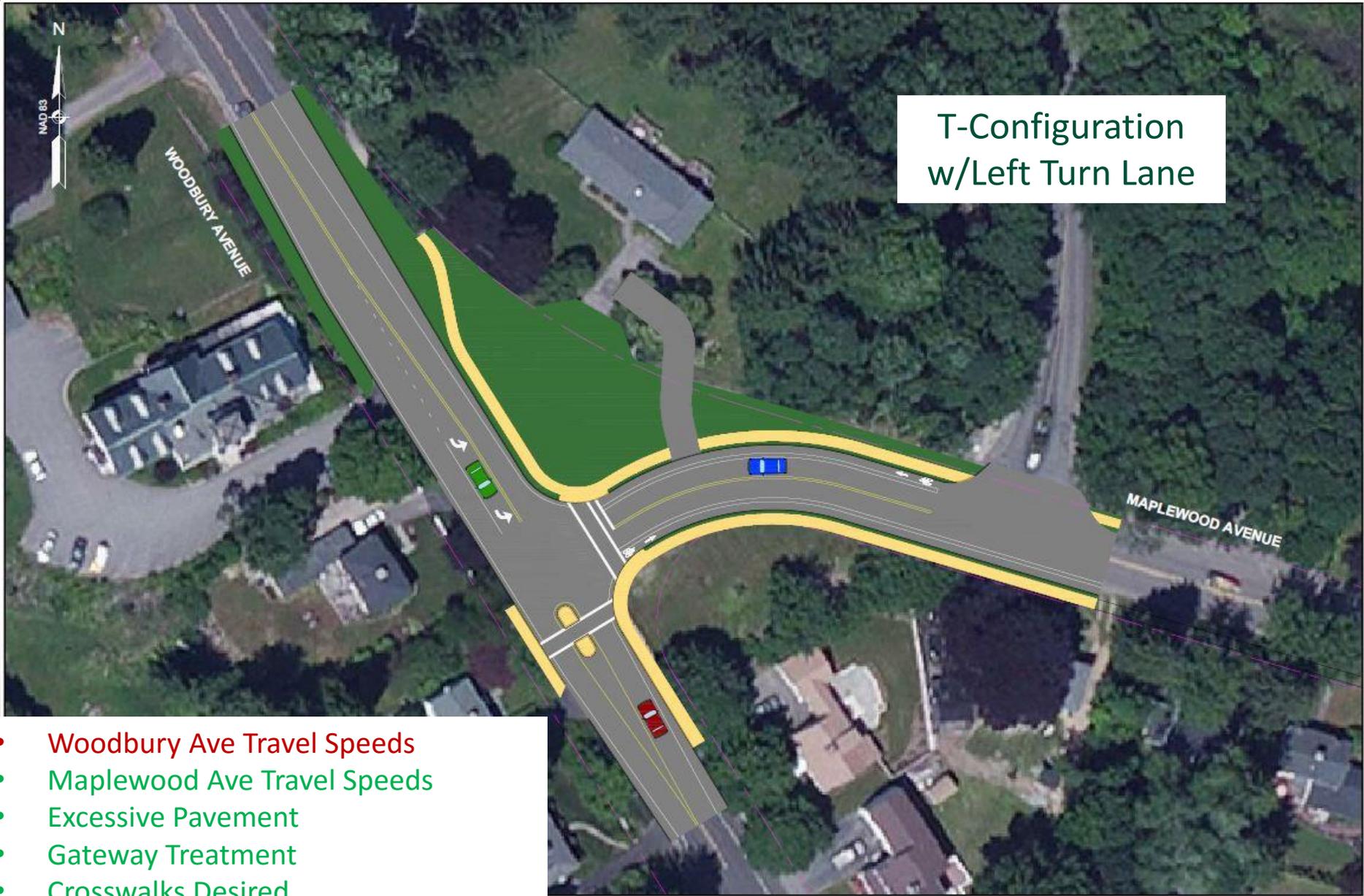


# Intersection Improvements: Woodbury Avenue



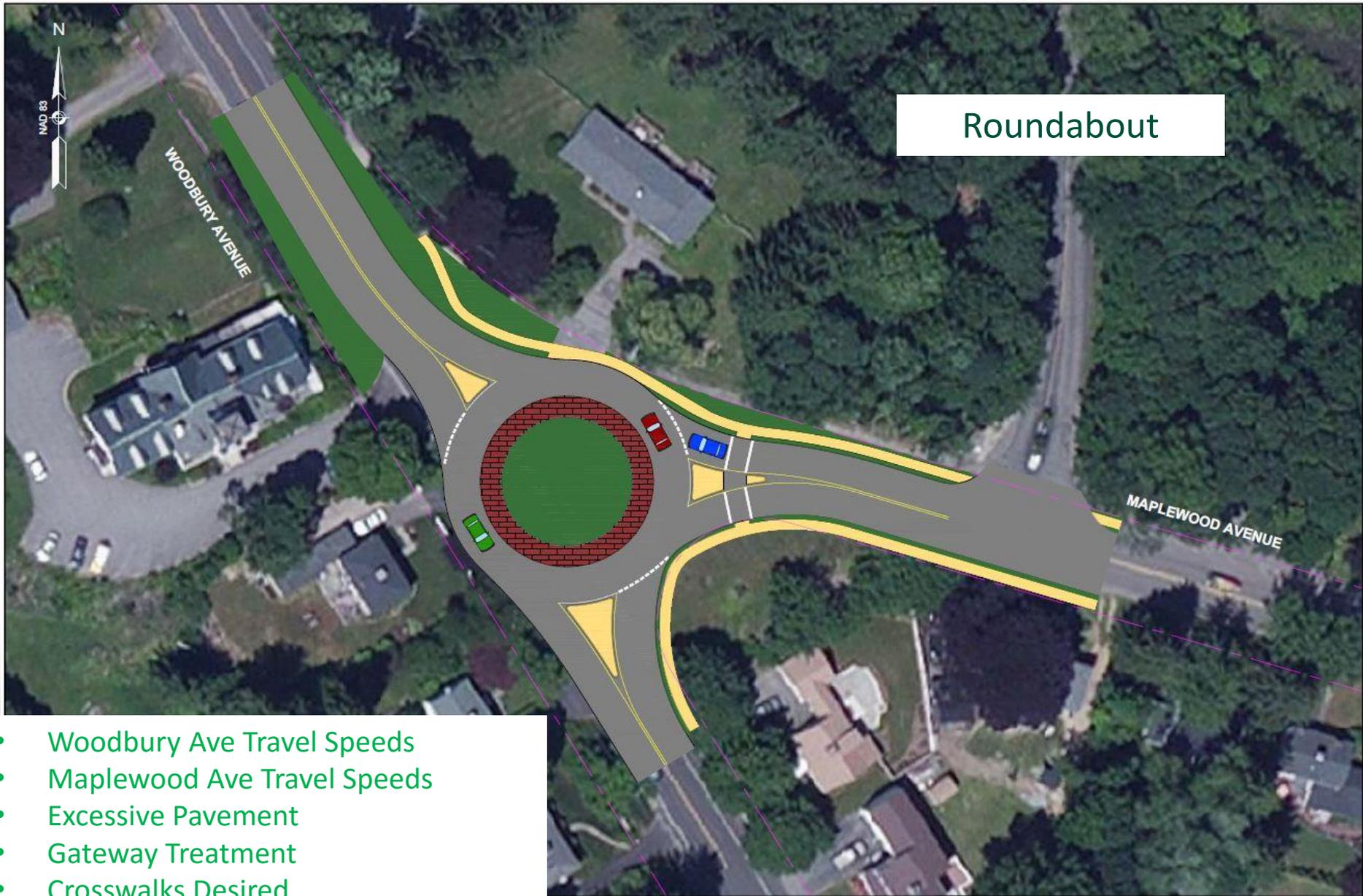
- Woodbury Ave Travel Speeds
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# Intersection Improvements: Woodbury Avenue



- Woodbury Ave Travel Speeds
- Maplewood Ave Travel Speeds
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# Intersection Improvements: Woodbury Avenue

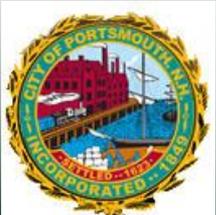


Roundabout

- Woodbury Ave Travel Speeds
- Maplewood Ave Travel Speeds
- Excessive Pavement
- Gateway Treatment
- Crosswalks Desired

## Roundabouts:

- FHWA Proven Safety Countermeasure
- Provides Horizontal Deflection
  - Speed Control – 24 Hour
- 90% Reduction in Fatalities
- Fewer Conflict Points
- Efficient Operations
- Gateway Treatment



# Next Steps

- Written Comments
  - Tonight
  - ...Or within 10 days
- Final Concept Plans To Be Provided On City Website



# Anticipated Project Schedule:

- Second Public Meeting.....May 2016
- Complete Preliminary Design.....July 2016
- Third Public Meeting.....September 2016
- Complete Final Design.....Fall 2016
- Advertise for Bids.....Winter 2017
- Begin Construction.....Spring 2017



# Keeping in Touch



- Project Website:
  - <http://cityofportsmouth.com/projects/maplewoodave.htm>
- City Staff Contact:
  - Raymond C. Pezzullo, P.E.
  - Phone: 603-766-1755
  - Email: [rcpezzullo@cityofportsmouth.com](mailto:rcpezzullo@cityofportsmouth.com)
- Email Distributions

