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MARTIN J. WALSH
MAYOR

CUMMINS HIGHWAY PROJECT

RIVER STREET TO HARVARD STREET

OCTOBER 29, 2019

WELCOME !

Cummins Highway Open House
6:00 – 6:30

Cummins Highway Presentation
6:30 – 8:00

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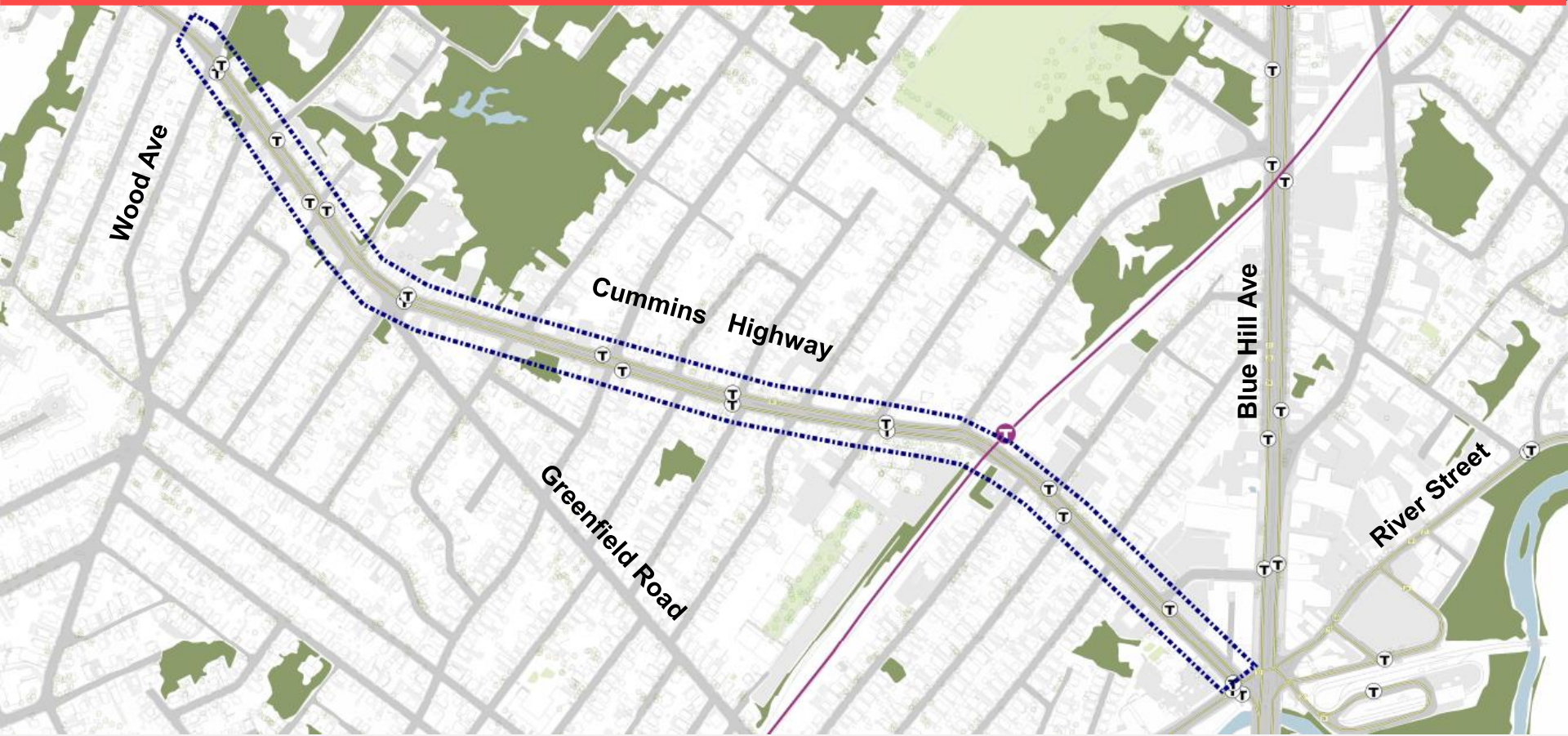


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CUMMINS HIGHWAY PROJECT

RIVER STREET TO HARVARD STREET

OCTOBER 29, 2019



CUMMINS HIGHWAY

Agenda

- **Introduction** **5 min**
- **Recognize Elected Officials** **15 min**
- **April 2019 Meeting Feedback** **40 min**
- **Questions & Answers** **30 min**

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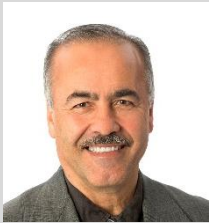
Introduction

Jeffrey Alexis, Project Manager, BPWD



Zach Wassmouth, Chief Engineer, BPWD

Para Jayasinghe, City Engineer, BPWD



Fayssal Husseini, Vice President, Nitsch

Stephen Farr, Project Manager, Nitsch



Jacqueline Perkins, Engineer, Nitsch

Ted Presume, Engineer, Nitsch



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City Agencies



**BOSTON PUBLIC
WORKS DEPARTMENT**

Jeffrey Alexis, Project Manager
Public Works Department



City of Boston
Planning &
Development Agency



*City of Boston
Transportation
Department*



City of Boston
Disabilities Commission



City of Boston
Water & Sewer
Commission



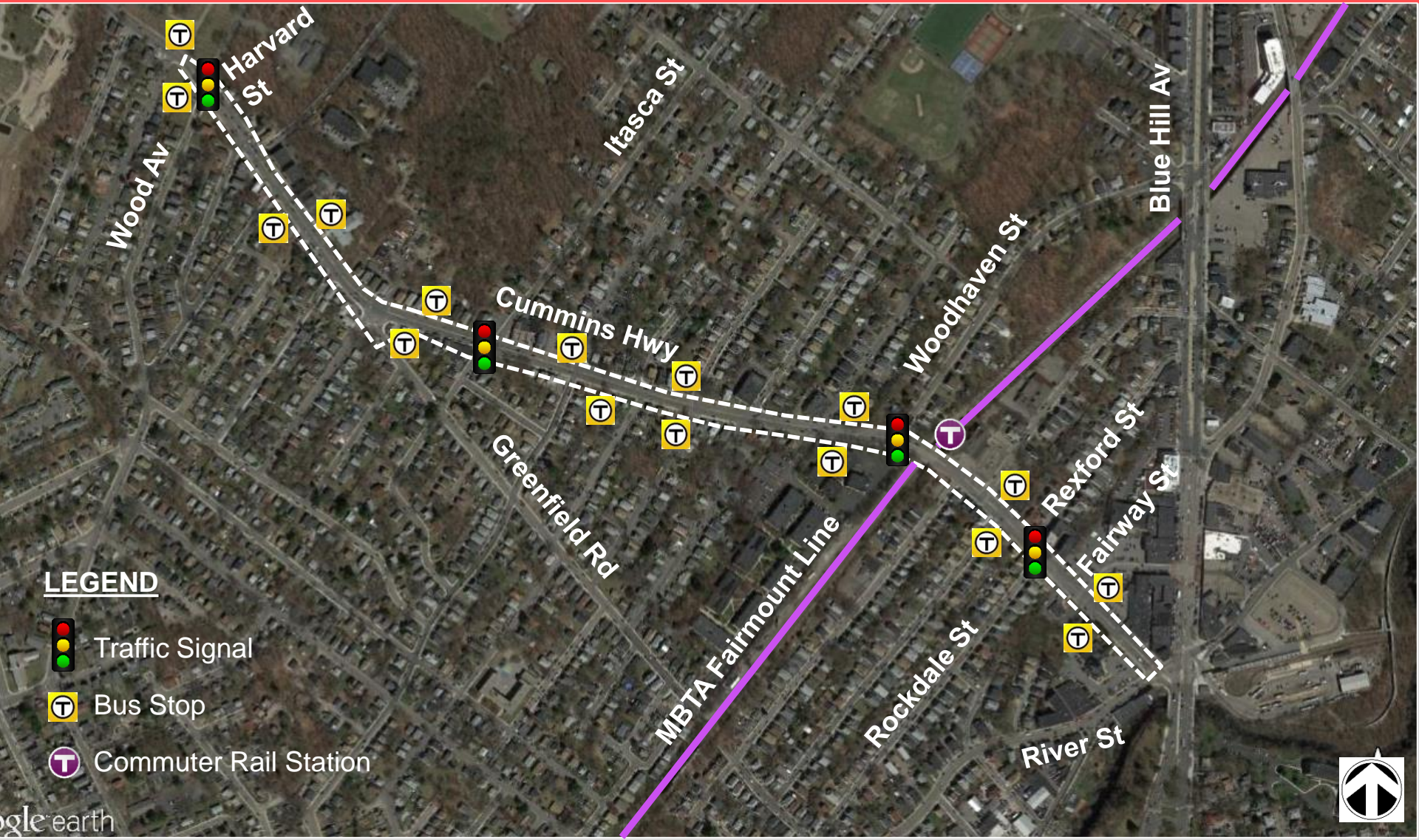
City of Boston
Neighborhood Services



City of Boston
Parks & Recreation

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Project Limits



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Project Goal

***“WE WANT TO TRANSFORM
CUMMINS HIGHWAY INTO A
NEIGHBORHOOD STREET”***

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Why Are We Here ?

We need community input. We want to hear from YOU!



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Open House Informational Meeting

Mattahunt Community Center, April 11th Open House

- Over 80 written comments made at Open House
- 110 responses to the Open House survey (online & hand written)



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Online Public Survey

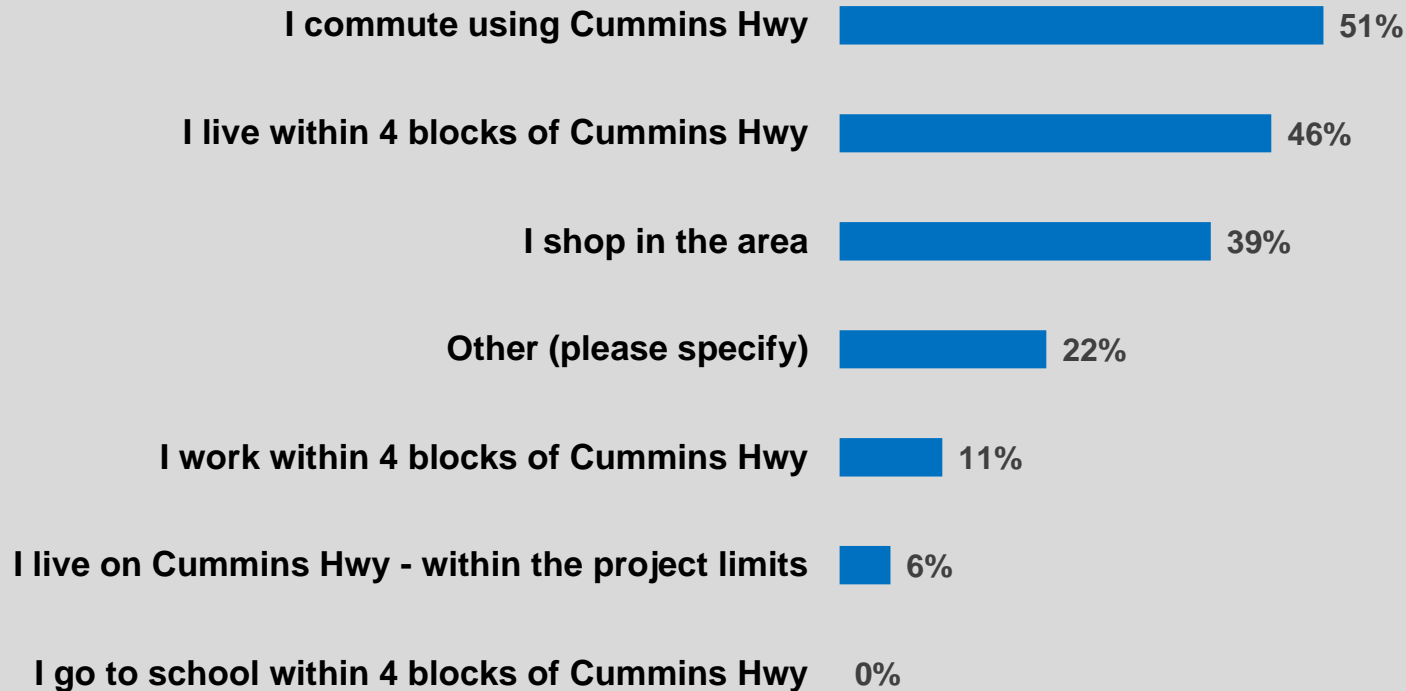
What Value Does this Provide?

- Citizens that could not attend the April meeting have an opportunity to participate.
- Many people prefer to voice their opinions privately.
- Survey results help quantify what issues appeal to the most people.
- Survey results help the City focus our efforts to meet YOUR goals and objectives.

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Summary of Responses to Design Survey

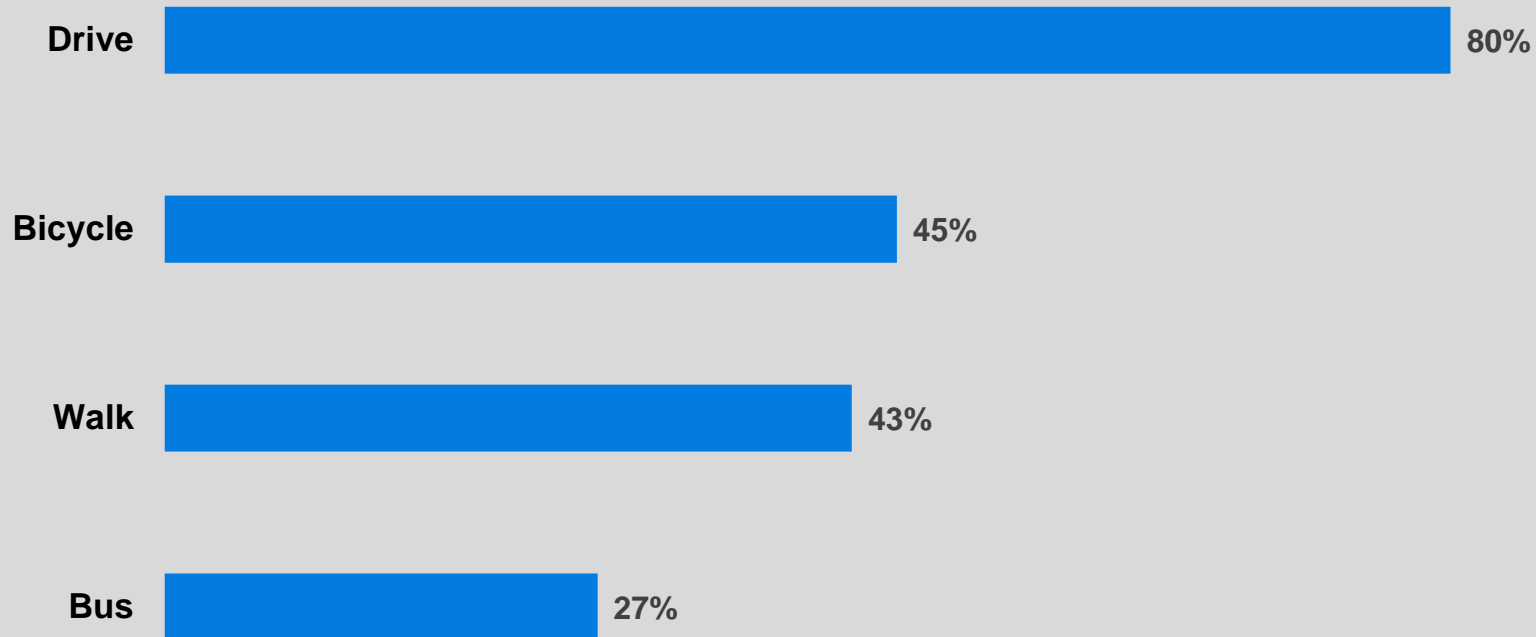
I am interested in Cummins Highway because....



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Summary of Responses to Design Survey

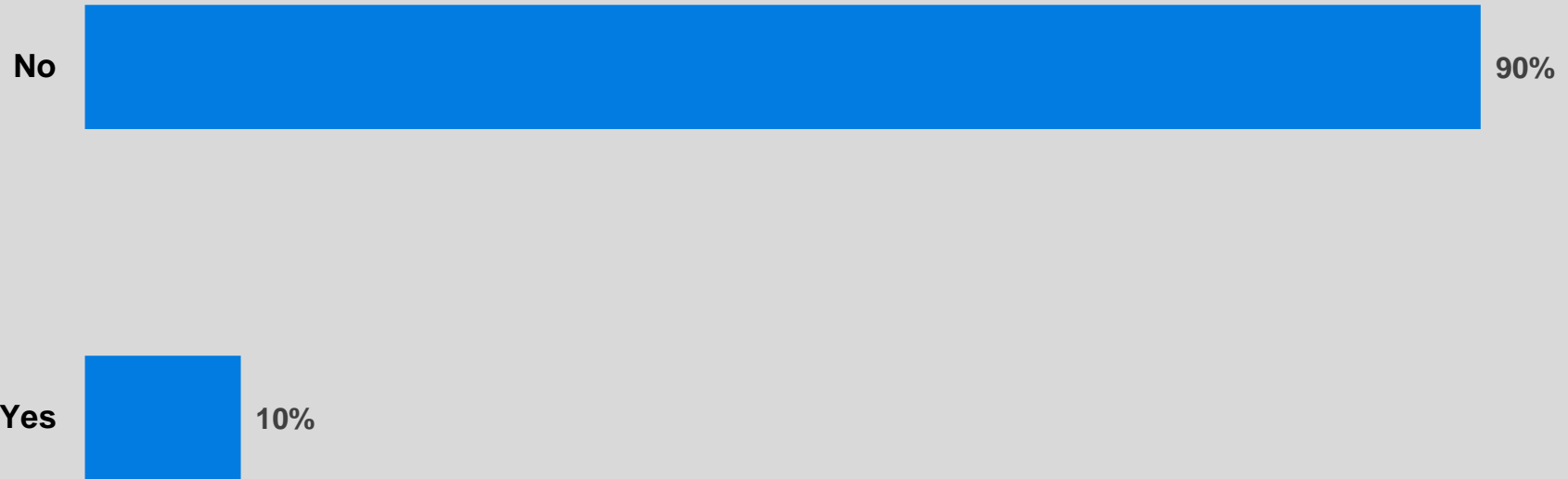
How do you travel along Cummins Highway?



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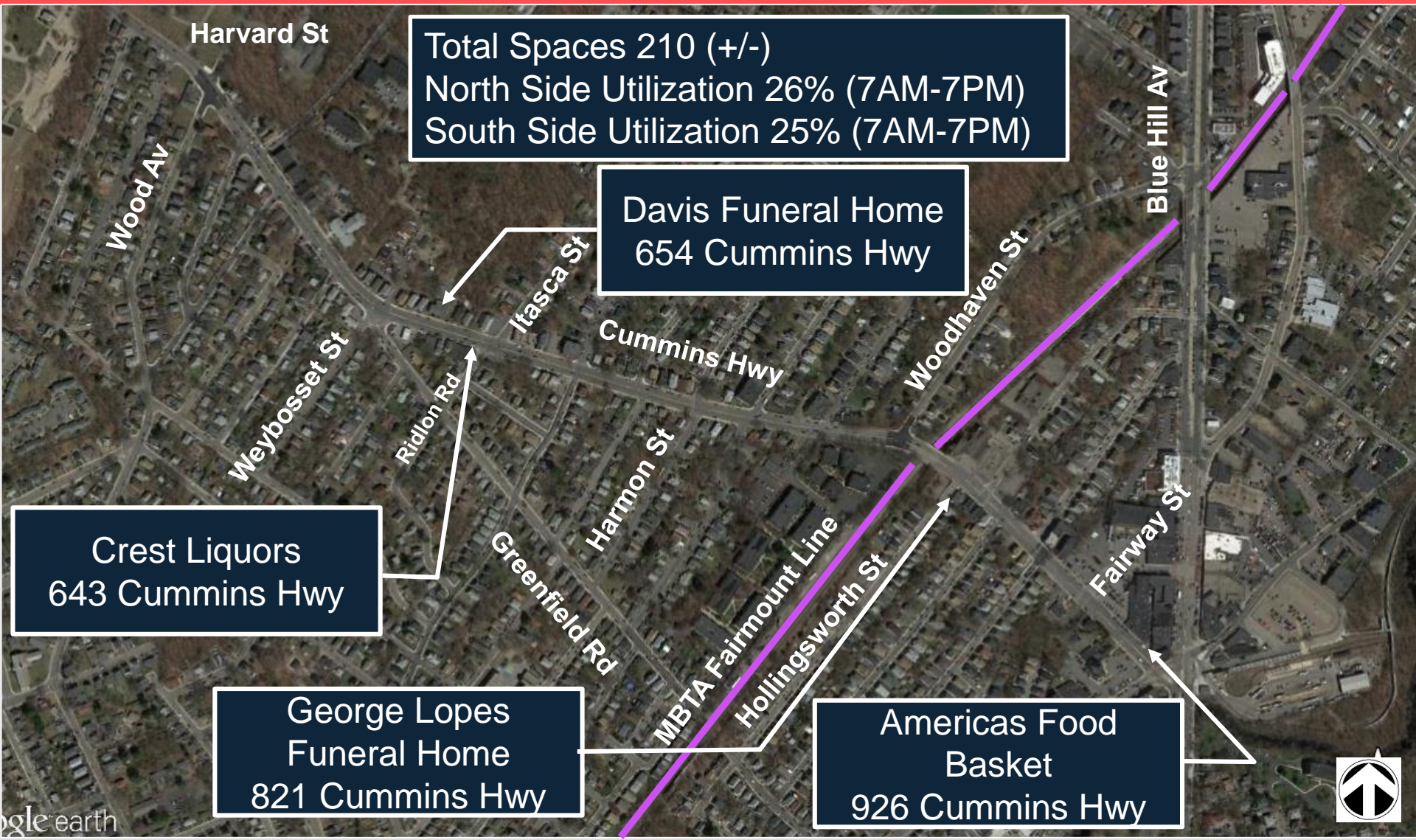
Summary of Responses to Design Survey

Do you regularly park a vehicle on Cummins Highway?



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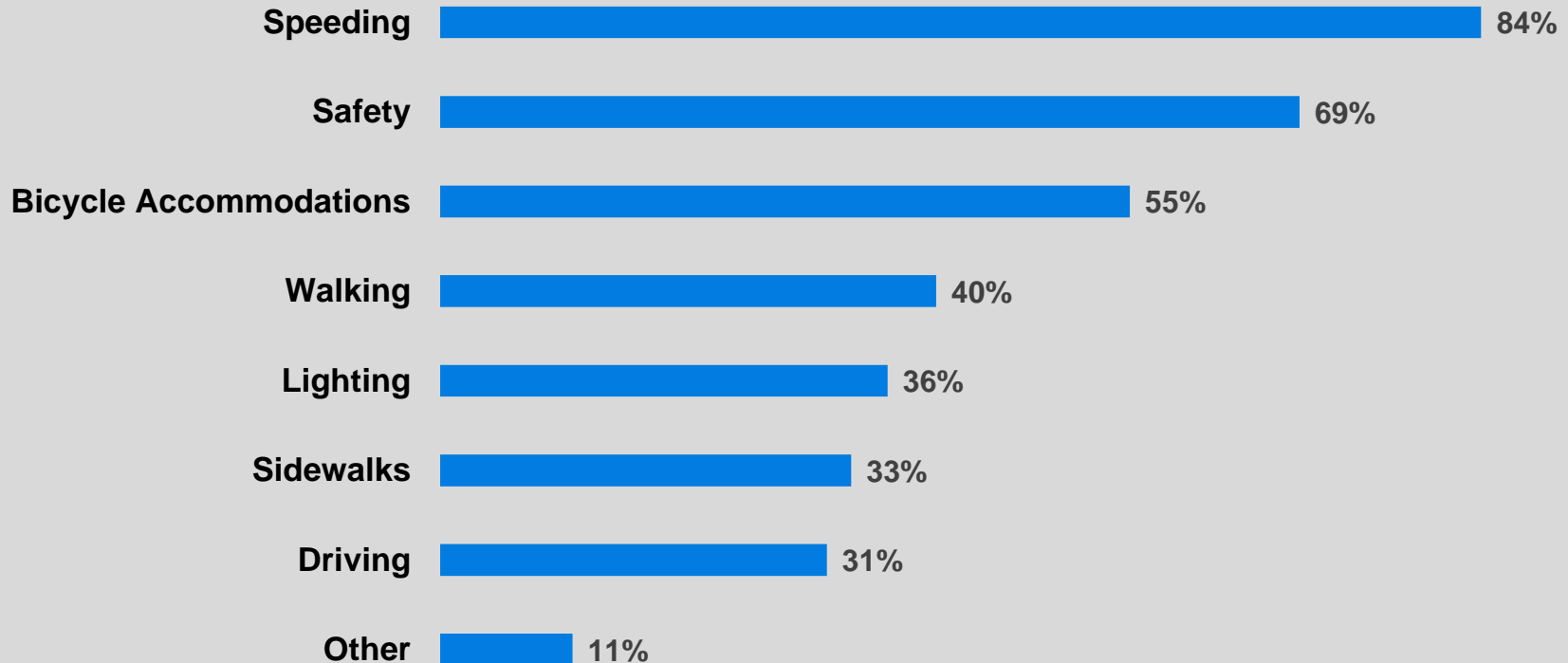
Parking Utilization



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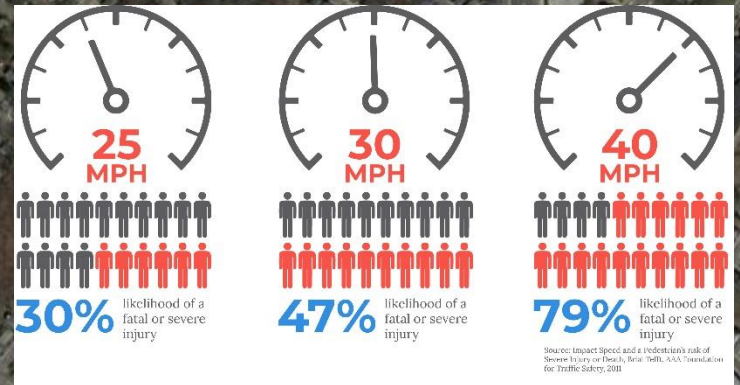
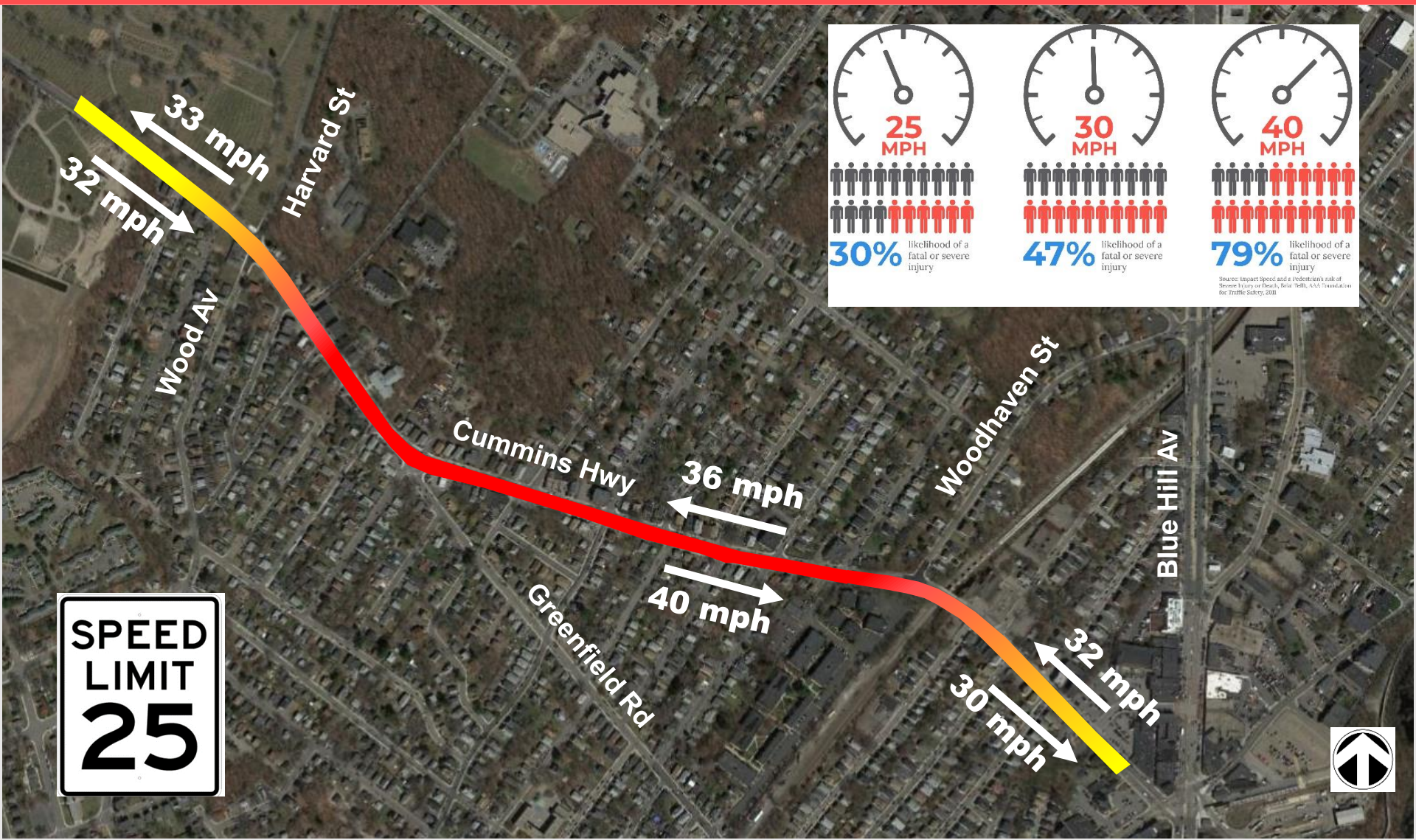
Summary of Responses to Design Survey

What are your concerns about the existing conditions?



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Existing Conditions- 85% Vehicle Speed

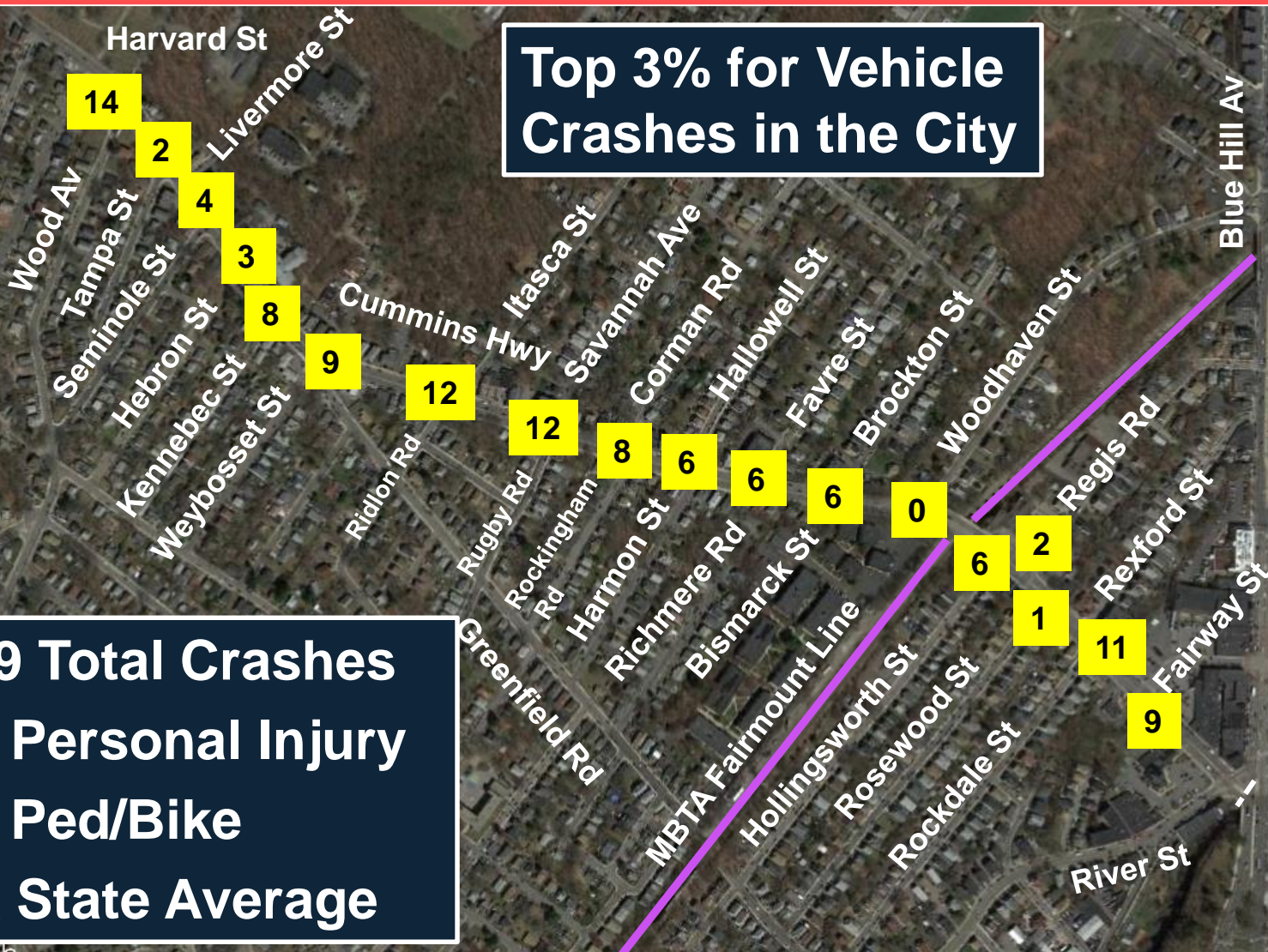


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2016-2018 Crash Data (Boston Police Dept)

Top 3% for Vehicle Crashes in the City

119 Total Crashes
59 Personal Injury
17 Ped/Bike
2X State Average



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Existing Conditions

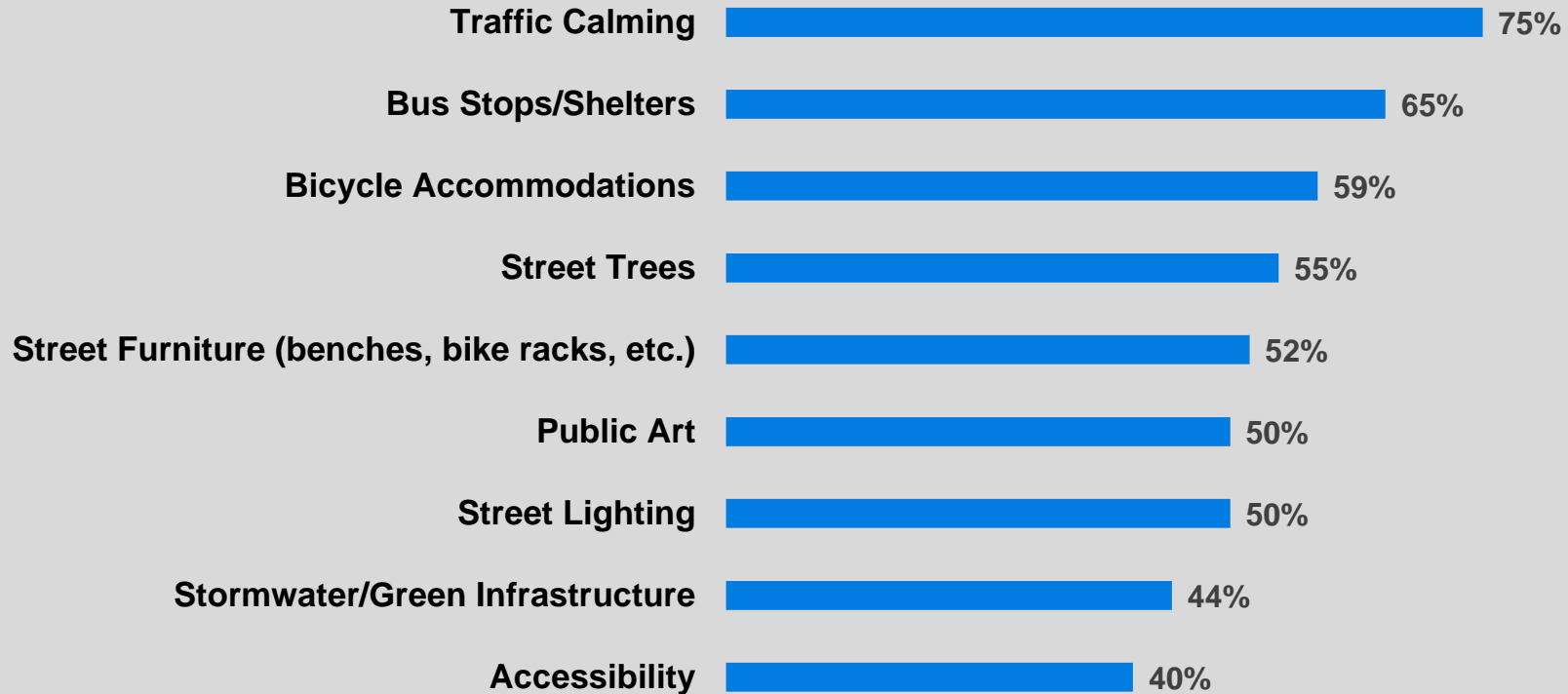
- Walking
- Street Lighting
- Sidewalks
- Bicycle Accommodations



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Summary of Responses to Design Survey

What project opportunities would you like to see implemented?



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Project Opportunities - Traffic Calming Strategies



Raised Crosswalks on Side Streets



Curb Extensions



Roundabouts

CUMMINS HIGHWAY

Project Opportunities



Green Space / Street Furniture



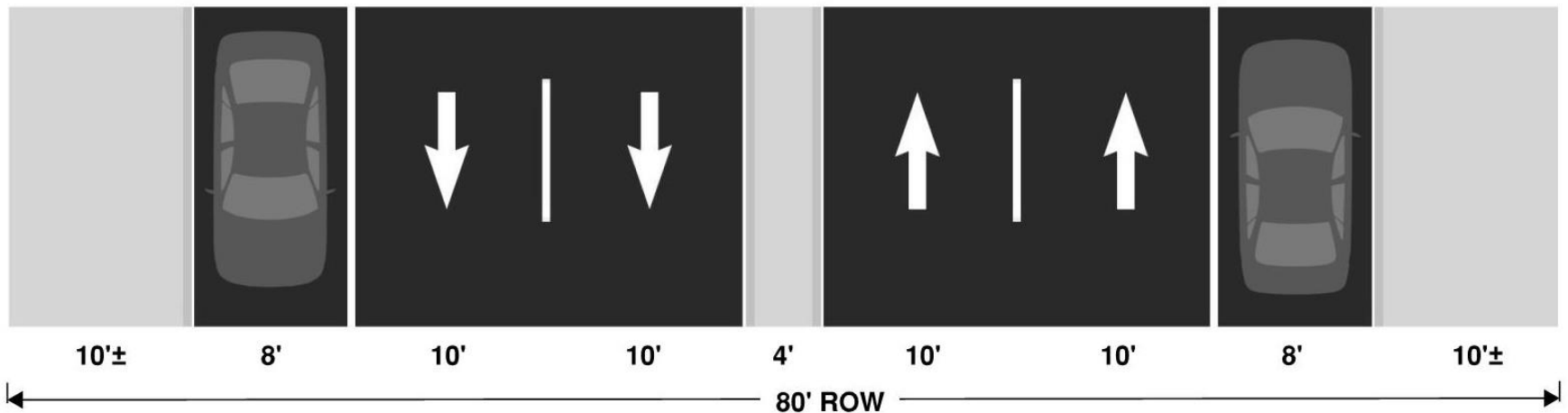
Bus Stops / Bus Shelters



Public Art

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Existing Conditions – Fairway to Harvard



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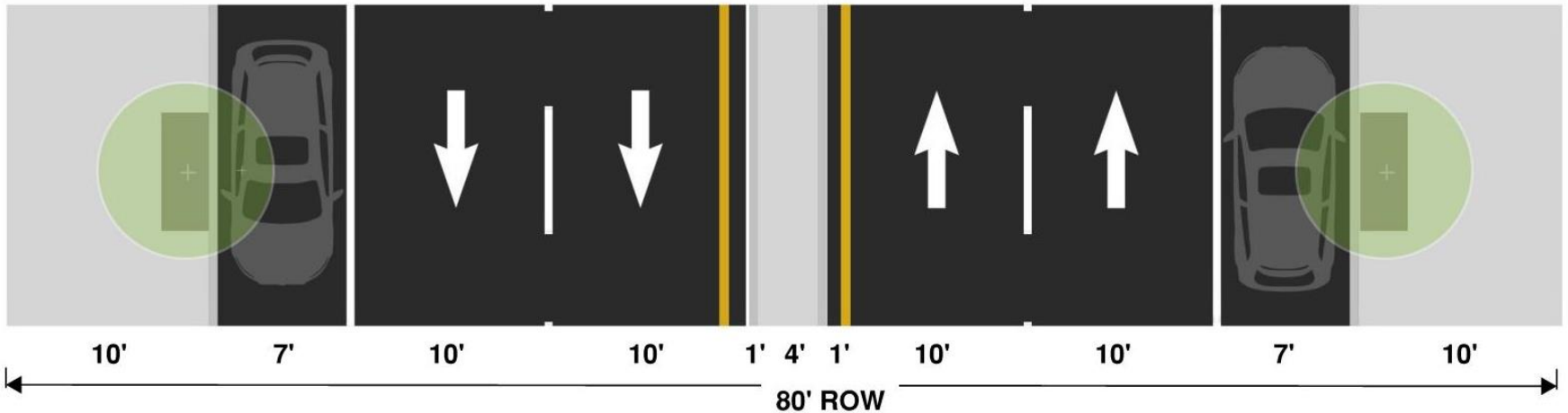
Concept 1 – Four Lanes (Maintain Median)

Advantages

- Improved Bus Stops
- New Street Lighting
- New Street Trees-

Dis-Advantages

- No Speed Reduction
- Long Cross Walks
- No Bicycle Facility



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Concept 2 – Four Lanes (Remove Median)

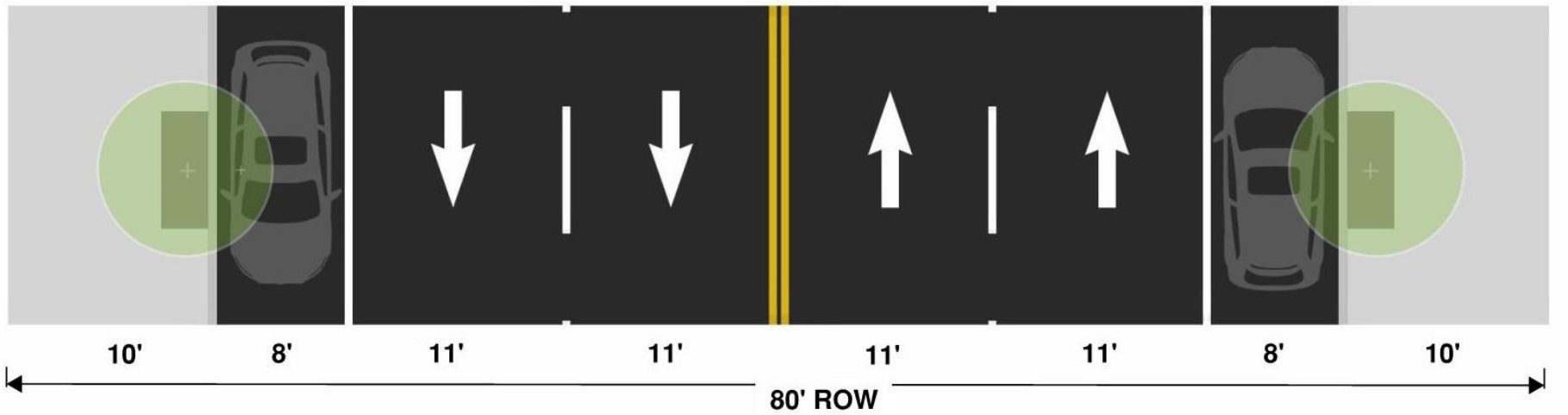
Advantages

- Improved Bus Stops
- New Street Lighting
- New Street Trees



Dis-Advantages

- No Speed Reduction
- Long Crosswalks
- No Bicycle Facility



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Concept 3 – Road Diet (Maintain Median)

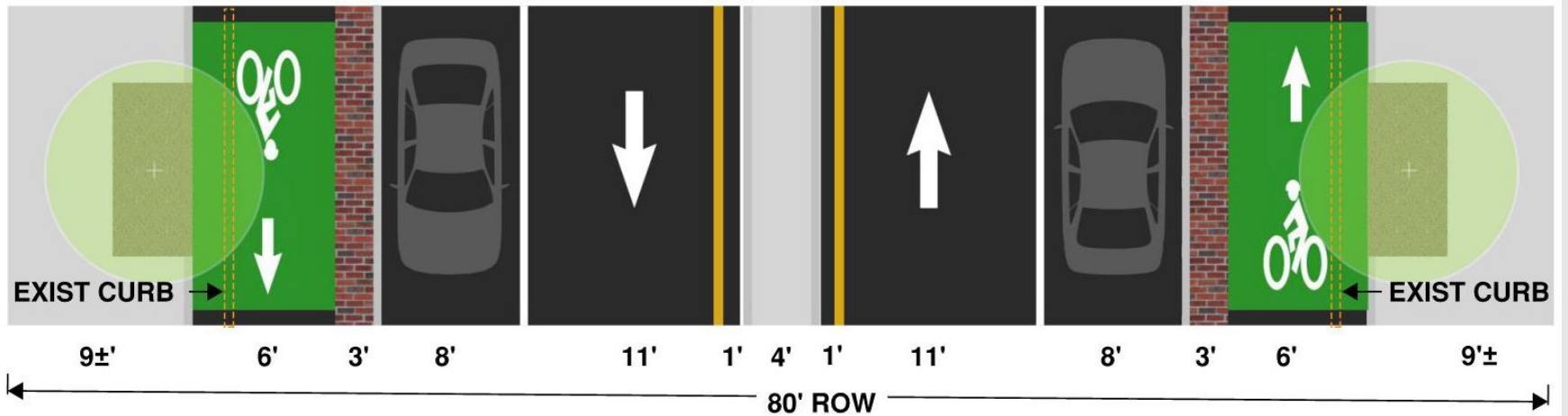
Advantages

- Reduced Vehicle Speeds
- Improved Bus Stops
- Shorter Crosswalks
- New Street Lighting
- New Street Trees
- Bicycle Facility

Keep Turning Lanes
at Intersections

Dis-Advantages

- Limited access to driveways due to median
- Additional vehicle travel time delay



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Concept 4 – Road Diet (Remove Median)

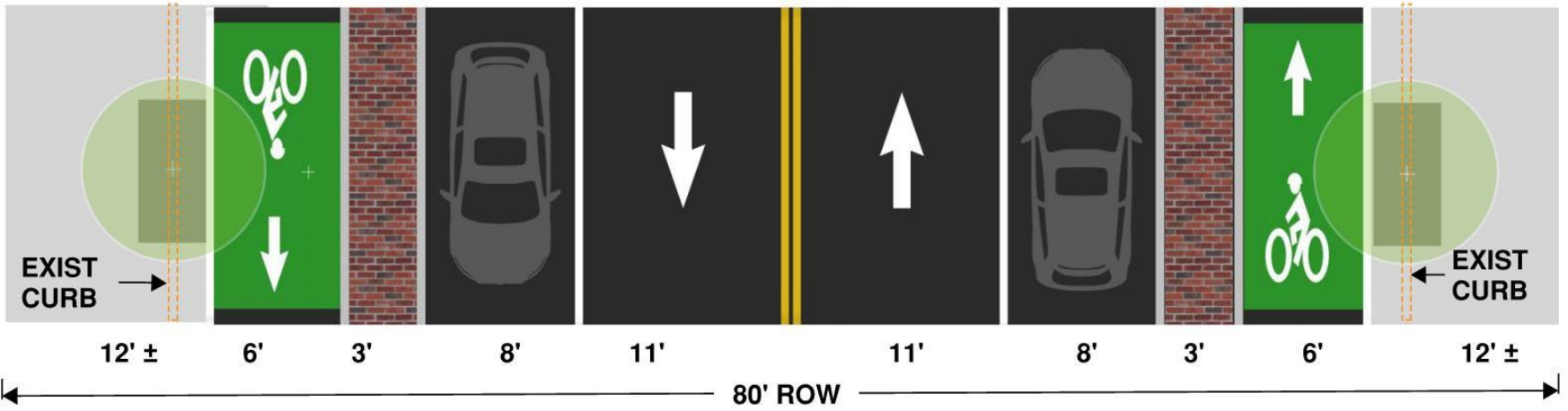
Advantages

- Reduced Vehicle Speeds
- Wider Sidewalks
- Improved bus stops
- Shortest Crosswalks
- New Street Lighting
- New Street Trees
- Bicycle Facility

Keep Turning Lanes
at Intersections

Dis-Advantages

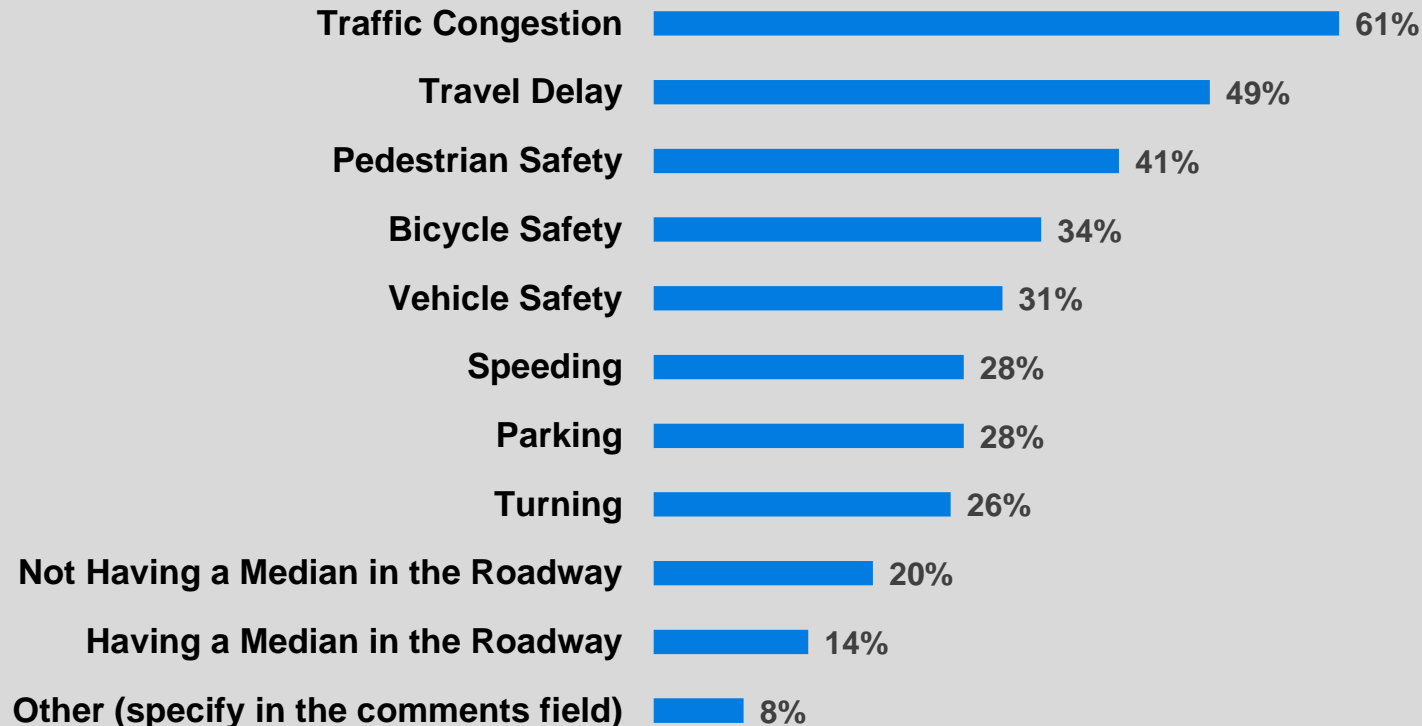
- Full access to driveways creates more conflicts with vehicles
- Additional vehicle travel time delay



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Summary of Responses to Design Survey

What are your concerns about a “Road Diet” (lane reduction) approach?



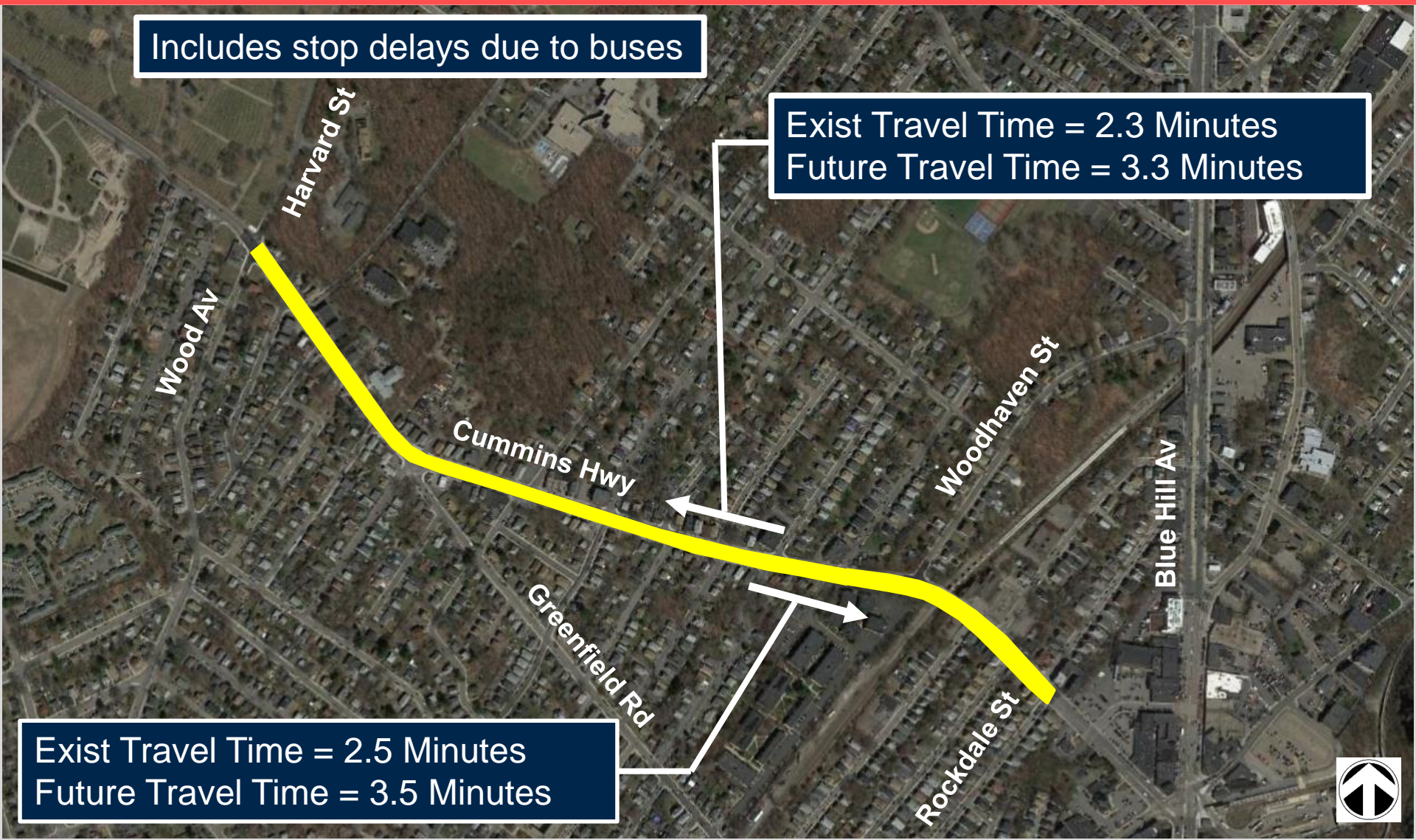
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Travel Delay – Average PM Peak Hour

Includes stop delays due to buses

Exist Travel Time = 2.3 Minutes
Future Travel Time = 3.3 Minutes

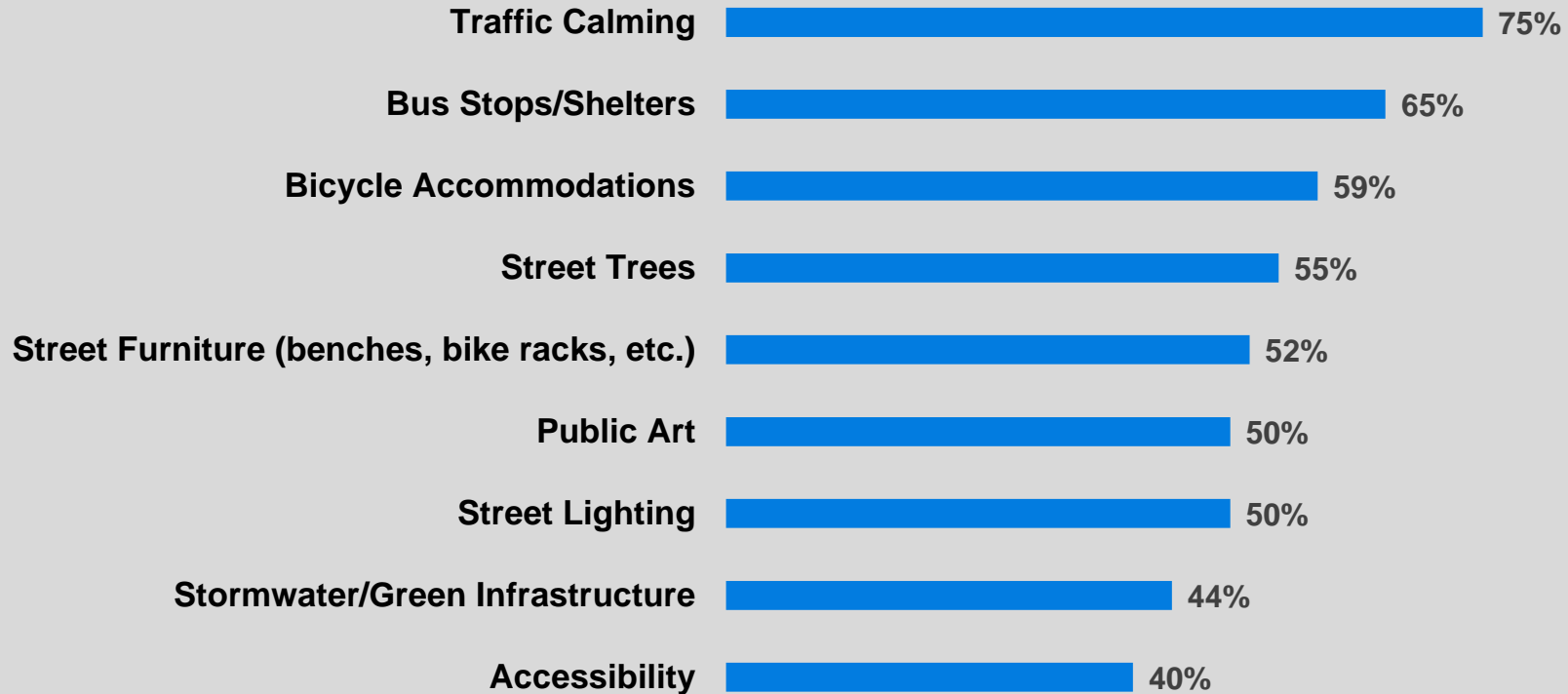
Exist Travel Time = 2.5 Minutes
Future Travel Time = 3.5 Minutes



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Summary of Responses to Design Survey

What project opportunities would you like to see implemented?



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Improvements that benefit Residents!



Rugby Rd / Savannah Ave Intersection

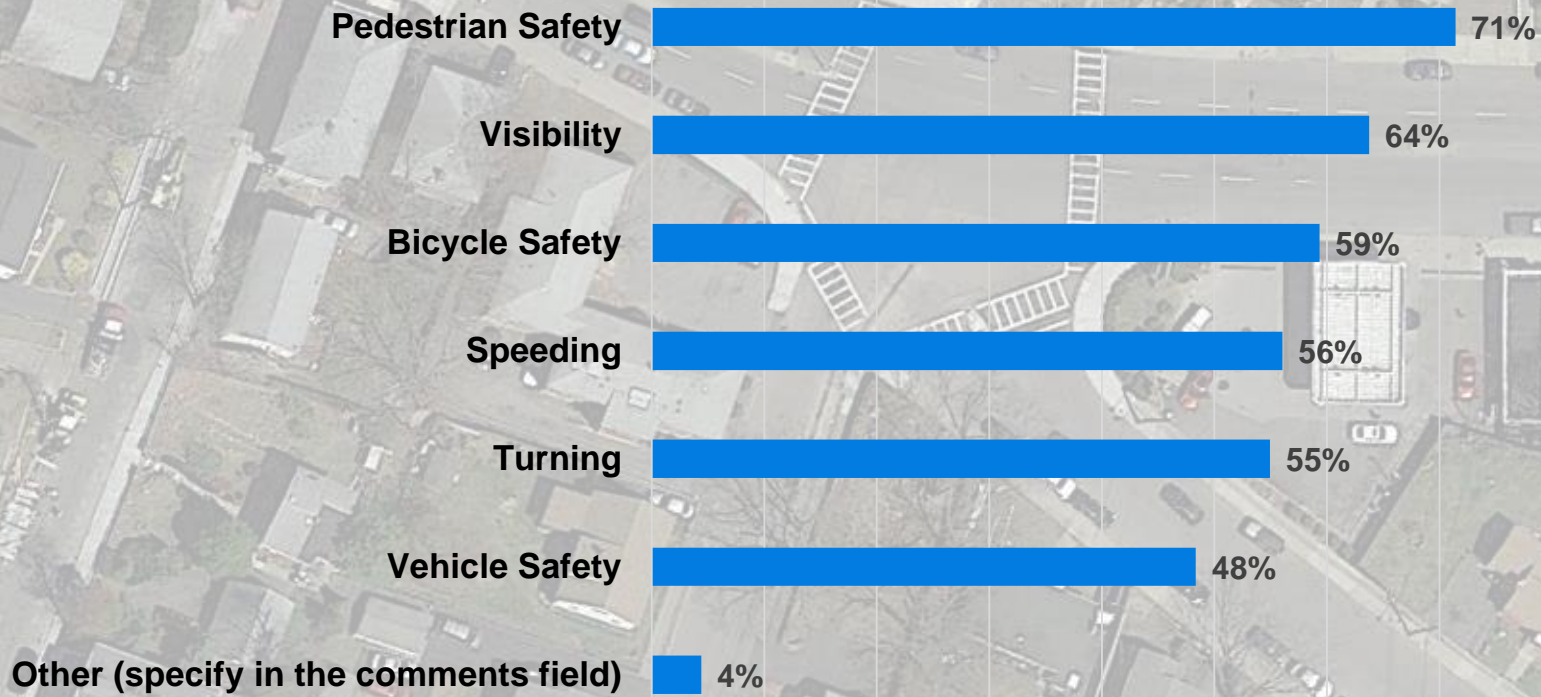
- ✓ Apply traffic calming measures
- ✓ Enhance bus stops
- ✓ Create bicycle facilities
- ✓ Street Trees
- ✓ Improve sidewalks and pedestrian access
- ✓ Improve street lighting
- ✓ Improve green space



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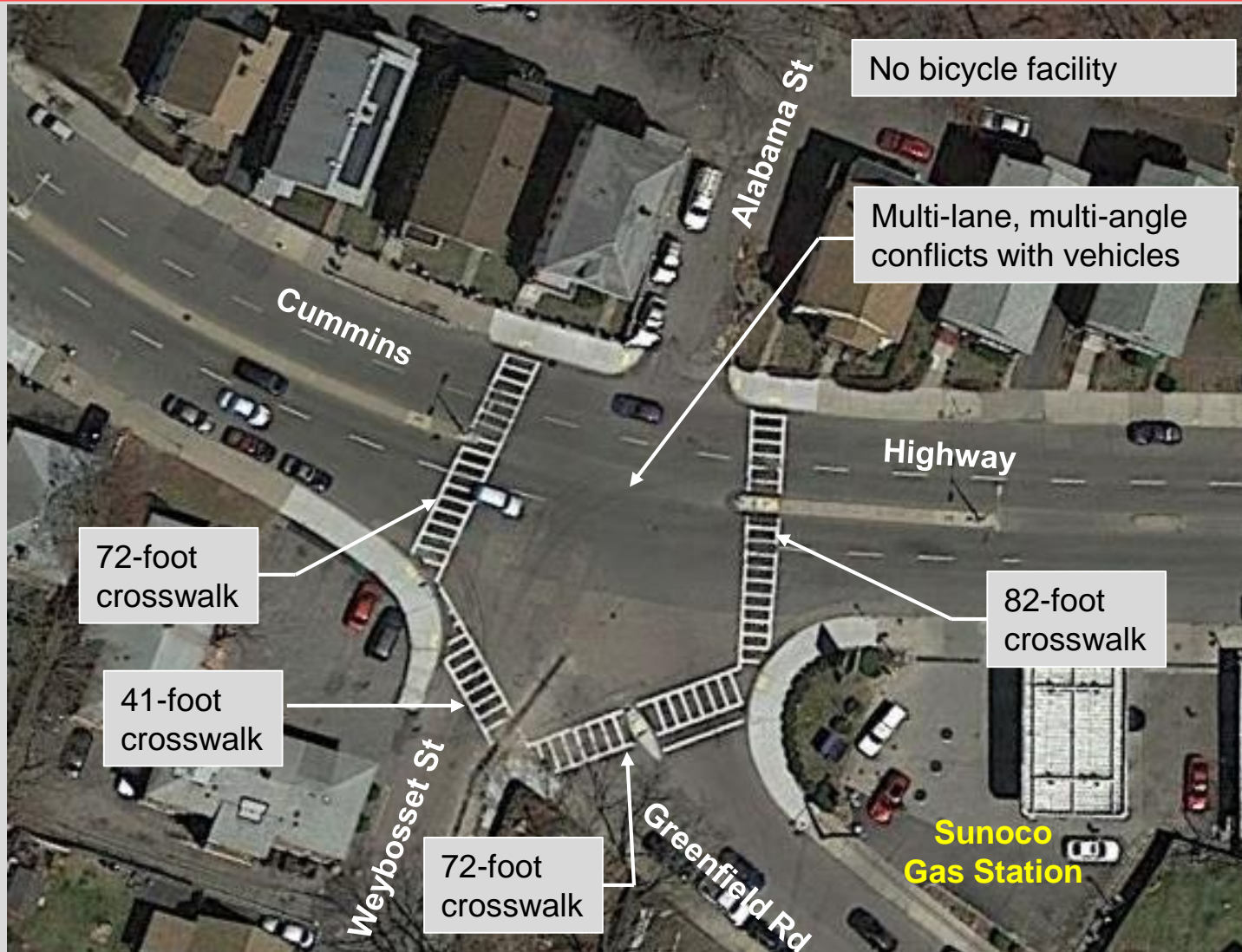
Summary of Responses to Design Survey

What are your concerns about the Cummins Highway and Greenfield Road intersection?



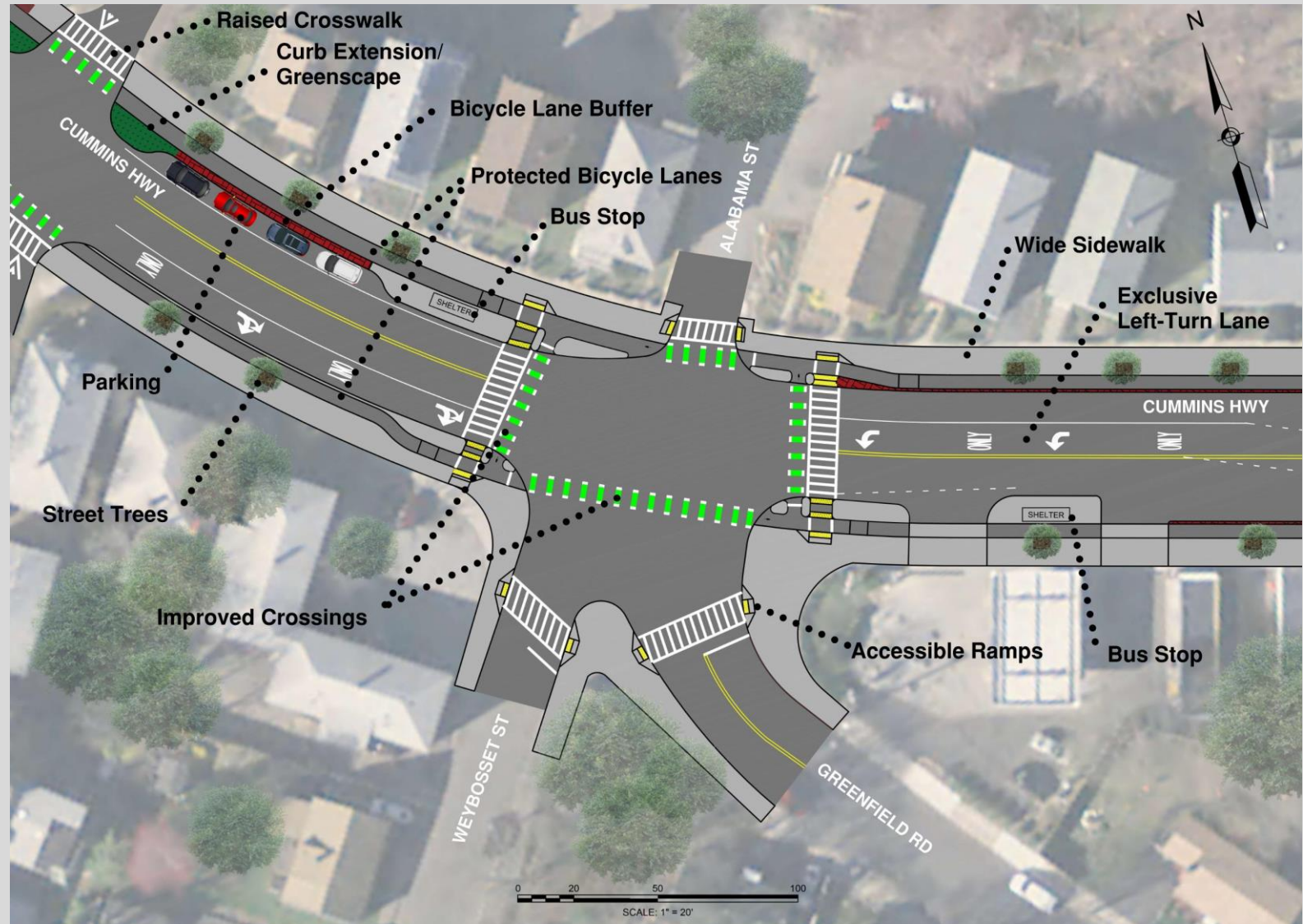
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Existing Conditions - Greenfield Road Intersection



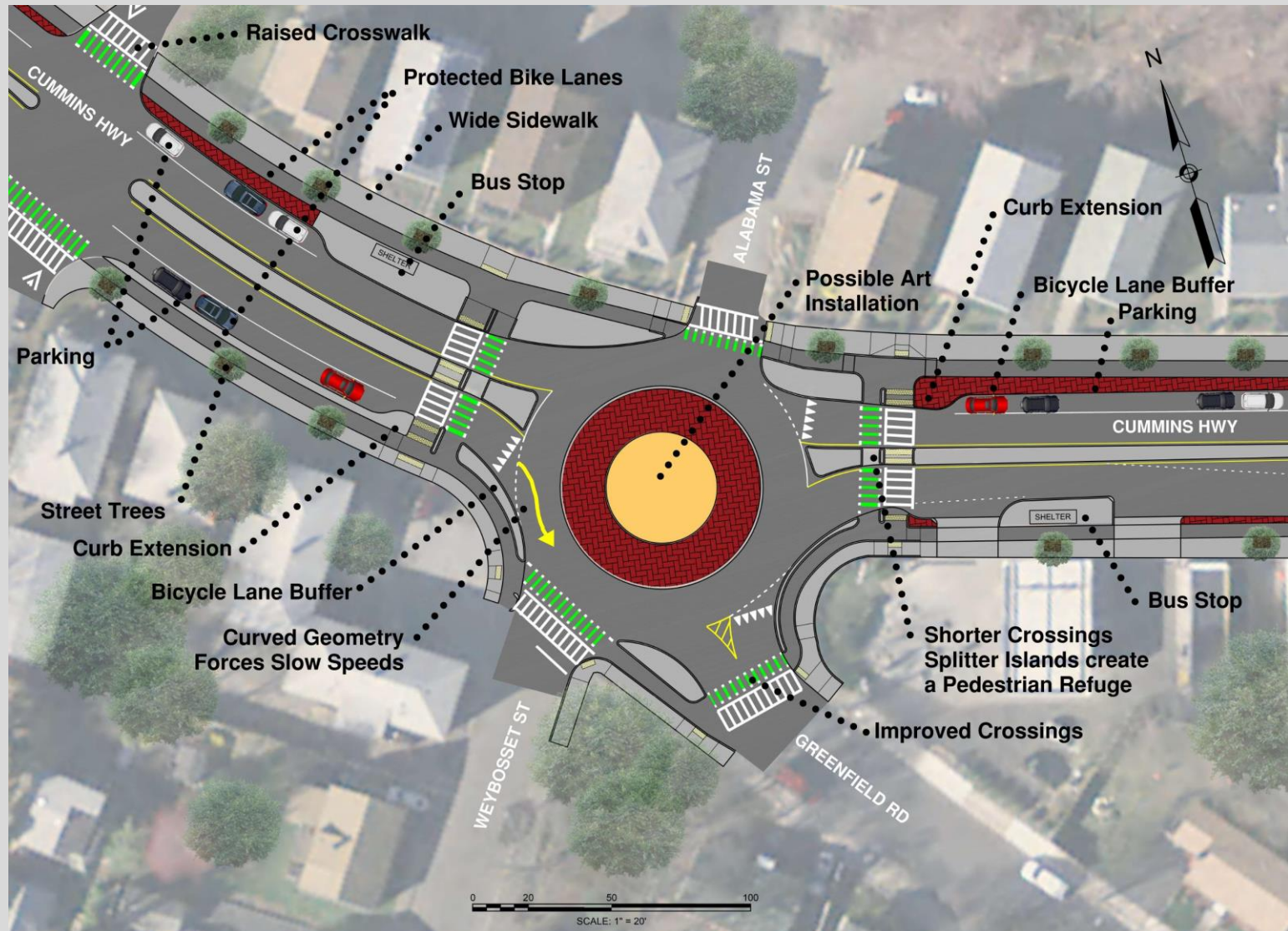
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Traffic Signal Concept- Greenfield Road Intersection



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Roundabout Concept- Greenfield Road Intersection



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<https://youtu.be/MRtY8tomcAg>

← Click Here for Video

Roundabout vs. Rotary – What is the Difference?

VFW Parkway, West Roxbury



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<https://youtu.be/qVpCJiTLgtw>

← Click Here for Video

Roundabout vs. Rotary – What is the Difference? Hyde Square, Jamaica Plain



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Project Opportunities



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<https://youtu.be/ws-90IDOOUg>

Traffic Simulation – Afternoon Peak Hour

MOST CONSTRAINED OPTION



Future No-Build
Conditions
(2028)

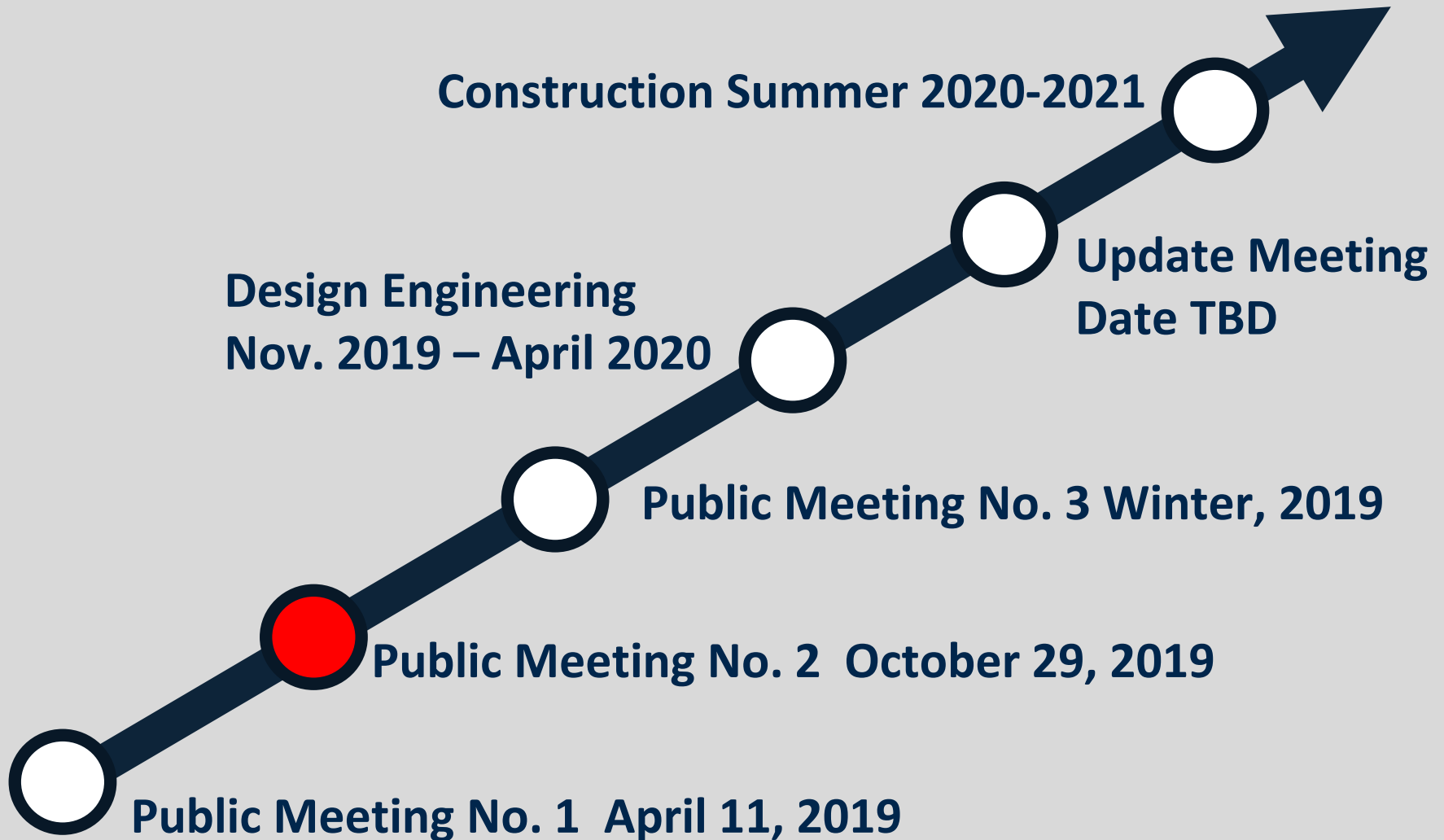


Future Build
Conditions
(2028)

Note: All 3D buildings are for representation purpose ONLY.

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Anticipated Project Schedule



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Questions - Comments

- **Pre-meeting Comments**
 - **21 Online Responses (17 support Road Diet Option)**
 - **4 Responses support Road Diet without median, 1 supported Road Diet with median**
 - **1 Response supported the Traffic Signal option at Greenfield / Cummins Highway**
 - **Public Works is collaborating with the MBTA for transit improvements**
 - **Public Works is a partner with all City departments for improvements within the community**

— **THANK YOU**



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Principal Civil Engineer
Boston Public Works Department
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jeffrey.alexis@boston.gov

Questions and Answers ?

Project Website

<https://www.boston.gov/departments/public-works/public-works-engineering-division-projects/cummins-highway-redesign>