WELCOME!

Cummins Highway Open House
6:00 – 6:30

Cummins Highway Presentation
6:30 – 8:00
CUMMINS HIGHWAY

Agenda

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

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
Jeffrey Alexis, Project Manager
Public Works Department

City Agencies

- City of Boston Planning & Development Agency
- City of Boston Water & Sewer Commission
- City of Boston Parks & Recreation
- City of Boston Neighborhood Services
- City of Boston Transportation Department
- City of Boston Disabilities Commission

Boston Public Works Department

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

Why Are We Here?

We need community input. We want to hear from YOU!
CUMMINS HIGHWAY
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)
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.
I am interested in Cummins Highway because....

- I commute using Cummins Hwy: 51%
- I live within 4 blocks of Cummins Hwy: 46%
- I shop in the area: 39%
- Other (please specify): 22%
- I work within 4 blocks of Cummins Hwy: 11%
- I live on Cummins Hwy - within the project limits: 6%
- I go to school within 4 blocks of Cummins Hwy: 0%
How do you travel along Cummins Highway?

- Drive: 80%
- Bicycle: 45%
- Walk: 43%
- Bus: 27%
Do you regularly park a vehicle on Cummins Highway?

- No: 90%
- Yes: 10%
CUMMINS HIGHWAY
Parking Utilization

- Total Spaces 210 (+/-)
- North Side Utilization 26% (7AM-7PM)
- South Side Utilization 25% (7AM-7PM)

- Davis Funeral Home
  654 Cummins Hwy

- Crest Liquors
  643 Cummins Hwy

- George Lopes Funeral Home
  821 Cummins Hwy

- Americas Food Basket
  926 Cummins Hwy
CUMMINS HIGHWAY
Summary of Responses to Design Survey

What are your concerns about the existing conditions?

- **Speeding**: 84%
- **Safety**: 69%
- **Bicycle Accommodations**: 55%
- **Walking**: 40%
- **Lighting**: 36%
- **Sidewalks**: 33%
- **Driving**: 31%
- **Other**: 11%
CUMMINS HIGHWAY
Existing Conditions- 85% Vehicle Speed

Map showing different speed limits and statistical likelihood of fatal or severe injury at various speeds (25 MPH: 30%, 30 MPH: 47%, 40 MPH: 79%). The map highlights speed limits on Wood Av (33 mph), Harvard St (32 mph), Cummins Hwy (36 mph), Greenfield Rd (40 mph), Woodhaven St (32 mph), and Blue Hill Av (30 mph).
CUMMINS HIGHWAY
2016-2018 Crash Data (Boston Police Dept)

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

Top 3% for Vehicle Crashes in the City

Harvard St
Wood Av
Tampa St
Seminole St
Hebron St
Kennebec St
Weybosset St
Livermore St
Cummins Hwy
Itasca St
Harmon Rd
Richmere Rd
Bismarck St
MBTA Fairmount Line
Hollingsworth St
Rosewood St
Rockdale St
Woodhaven St
Regis Rd
Rexford St
Fairway St
River St
Blue Hill Av

Google earth
CUMMINS HIGHWAY
Existing Conditions

- Walking
- Street Lighting
- Sidewalks
- Bicycle Accommodations
CUMMINS HIGHWAY
Summary of Responses to Design Survey

What project opportunities would you like to see implemented?

- Traffic Calming: 75%
- Bus Stops/Shelters: 65%
- Bicycle Accommodations: 59%
- Street Trees: 55%
- Street Furniture (benches, bike racks, etc.): 52%
- Public Art: 50%
- Street Lighting: 50%
- Stormwater/Green Infrastructure: 44%
- Accessibility: 40%
CUMMINS HIGHWAY
Project Opportunities - Traffic Calming Strategies

Raised Crosswalks on Side Streets

Curb Extensions

Roundabouts
CUMMINS HIGHWAY
Project Opportunities

Bus Stops / Bus Shelters

Green Space / Street Furniture

Public Art
CUMMINS HIGHWAY
Existing Conditions – Fairway to Harvard
CUMMINS HIGHWAY
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
CUMMINS HIGHWAY
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
CUMMINS HIGHWAY
Concept 3 – Road Diet (Maintain Median)

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

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

Keep Turning Lanes at Intersections
CUMMINS HIGHWAY
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

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

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Keep Turning Lanes at Intersections

**Diagram:**
- **EXIST CURB**
- **12' ±**
- **6'**
- **3'**
- **8'**
- **11'**
- **11'**
- **8'**
- **3'**
- **6'**
- **12' ±**
- **80' ROW**
Summary of Responses to Design Survey

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

- Traffic Congestion: 61%
- Travel Delay: 49%
- Pedestrian Safety: 41%
- Bicycle Safety: 34%
- Vehicle Safety: 31%
- Speeding: 28%
- Parking: 28%
- Turning: 26%
- Not Having a Median in the Roadway: 20%
- Having a Median in the Roadway: 14%
- Other (specify in the comments field): 8%
CUMMINS HIGHWAY

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
What project opportunities would you like to see implemented?

- Traffic Calming: 75%
- Bus Stops/Shelters: 65%
- Bicycle Accommodations: 59%
- Street Trees: 55%
- Street Furniture (benches, bike racks, etc.): 52%
- Public Art: 50%
- Street Lighting: 50%
- Stormwater/Green Infrastructure: 44%
- Accessibility: 40%
CUMMINS HIGHWAY
Improvements that benefit Residents!

✓ Apply traffic calming measures
✓ Enhance bus stops
✓ Create bicycle facilities
✓ Street Trees
✓ Improve sidewalks and pedestrian access
✓ Improve street lighting
✓ Improve green space
What are your concerns about the Cummins Highway and Greenfield Road intersection?

- Pedestrian Safety: 71%
- Visibility: 64%
- Bicycle Safety: 59%
- Speeding: 56%
- Turning: 55%
- Vehicle Safety: 48%
- Other (specify in the comments field): 4%
CUMMINS HIGHWAY
Existing Conditions - Greenfield Road Intersection

- 72-foot crosswalk
- 41-foot crosswalk
- 72-foot crosswalk
- 82-foot crosswalk

- Multi-lane, multi-angle conflicts with vehicles
- No bicycle facility

Sunoco Gas Station
CUMMINS HIGHWAY
Traffic Signal Concept - Greenfield Road Intersection
CUMMINS HIGHWAY
Roundabout Concept - Greenfield Road Intersection
CUMMINS HIGHWAY

Roundabout vs. Rotary – What is the Difference?

VFW Parkway, West Roxbury

https://youtu.be/MRtY8tomcAg

Click Here for Video
CUMMINS HIGHWAY
Roundabout vs. Rotary – What is the Difference?
Hyde Square, Jamaica Plain

https://youtu.be/qVpCJiTlgTw
Click Here for Video
CUMMINS HIGHWAY
Project Opportunities
CUMMINS HIGHWAY
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.
CUMMINS HIGHWAY
Anticipated Project Schedule

Design Engineering
Nov. 2019 – April 2020

Public Meeting No. 1  April 11, 2019

Public Meeting No. 2  October 29, 2019

Public Meeting No. 3 Winter, 2019

Construction Summer 2020-2021

Update Meeting
Date TBD
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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BOSTON PUBLIC WORKS DEPARTMENT

Questions and Answers?

Project Website