

# Upper Broadway Reconstruction Project Preliminary Design Public Meeting

City of Chelsea

City Manager Thomas G. Ambrosino

Department of Planning + Development

Department of Public Works

11/16/2016

*Project Manager: Alex Train, P+D*

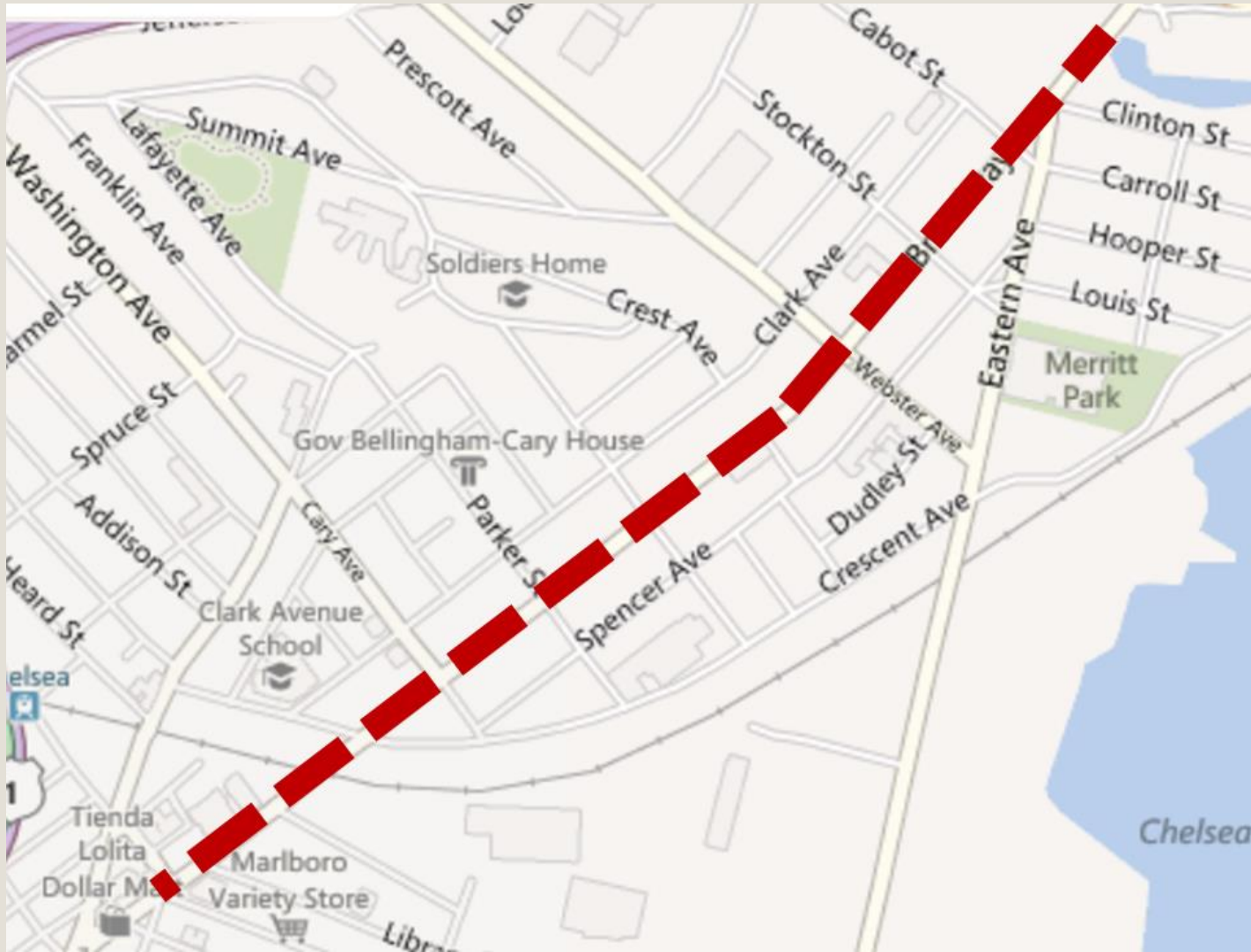


# Project Management Team



- Department of Planning + Development
- Department of Public Works
- Consultant Engineers: Weston & Sampson, McMahon Associates
- MassDOT, Boston MPO

# Project Overview



# Project Overview

- Multi-modal, collaborative design process for urban principal arterial
- Surface reconstruction of the roadway & streetscape (sidewalks, crosswalks, street trees, bike lanes)
- Subsurface reconstruction of water, sewer, drainage, & other utility infrastructure
- City pursuing state/federal funding through Boston Metropolitan Planning Organization's Transportation Improvement Program (TIP)



# **Why Broadway?**

# Project Purpose

- Primary N-S arterial, with connections to Rt. 16, Silver Line Gateway, & downtown
- Major bus routes, walking routes to school
- Future demand & regional development
- Optimization of travel for all modes
- Ensure ADA-compliance throughout corridor
- Inefficient, unsafe existing conditions & formats





# Project Purpose





## 52 Total Crashes (2012-14)

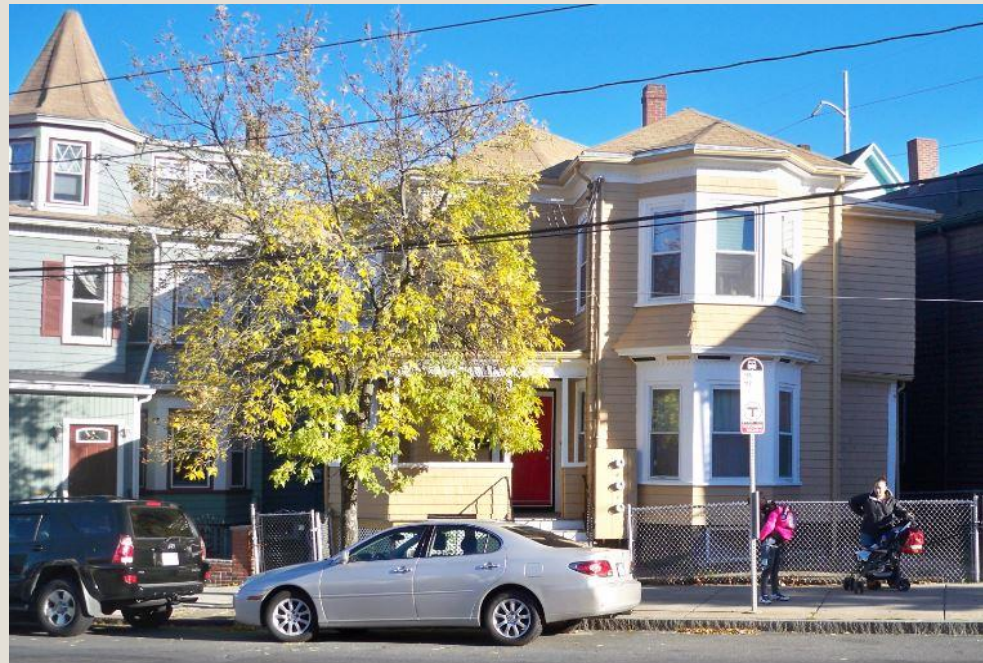
- @Webster Ave: 16
- @Stockton St: 20
- Total Pedestrian: 12
- Total Bicyclist: 4
- No trend indicative of relation to time of day or weather conditions
- Non-fatal injuries, property damage
- Last pedestrian fatality was in 2010 at the intersection of Broadway & Parker St.
- RSA conducted June 30<sup>th</sup>, 2015, published in August





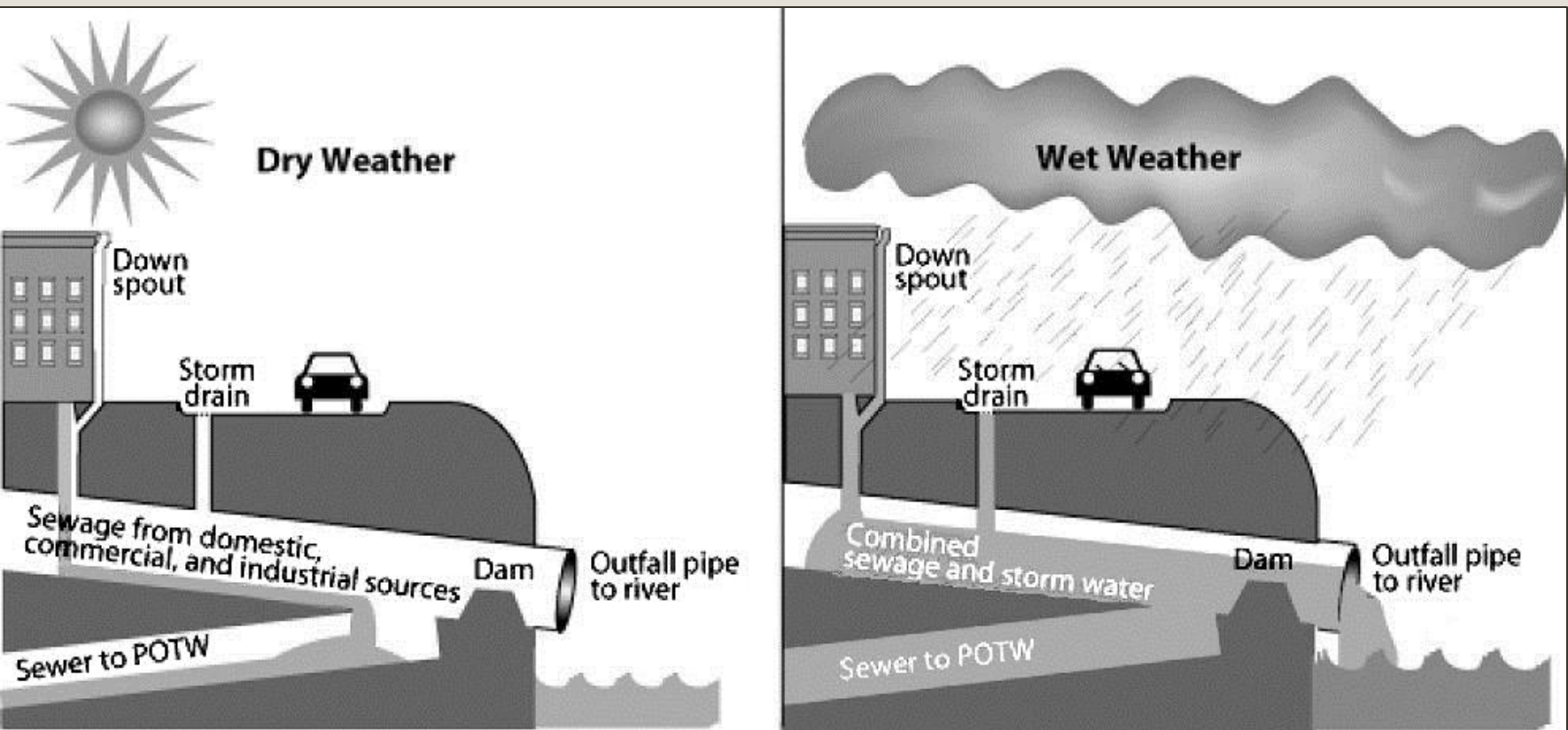
# Project Purpose

- Introduce enhanced pedestrian and bicycle amenities
- Reconsider transit stop locations
- Neighborhood & aesthetic improvement
- Retail & small business visibility
- Air quality & drainage issues, with an opportunity to “green” an expansive hardscape area

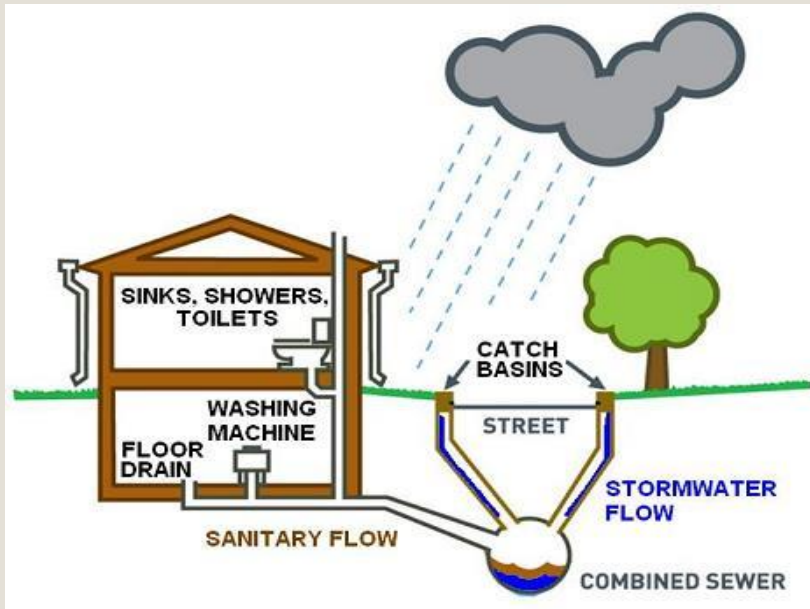


# Project Purpose

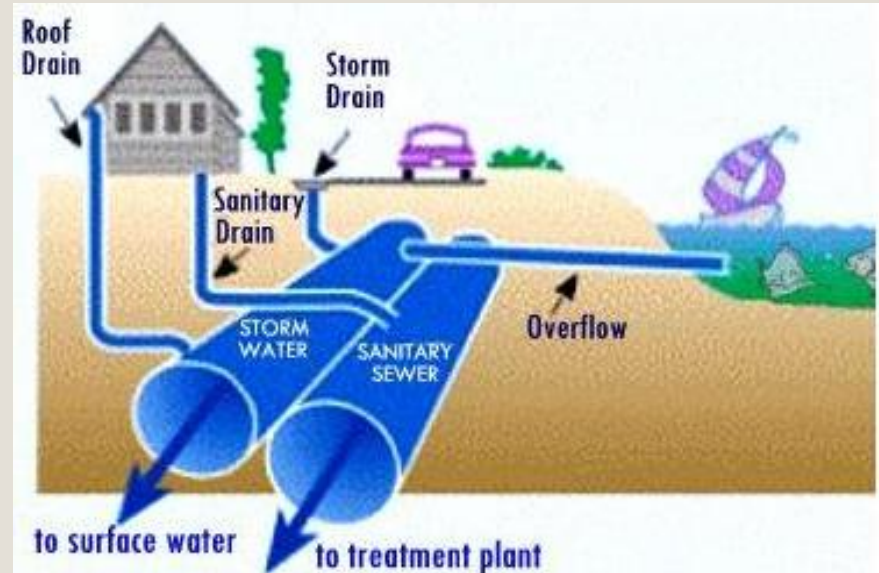
- Aging infrastructure, antiquated water & sewer
- CSO's result in higher sewer fees for residents due to treatment volume
- Sewer separation: new drainage will yield water quality improvement
- Impervious surfaces: Introduce green infrastructure, stormwater best management practices



# Project Purpose



Combined Sewer Overflow System (current)



Segregated sanitary sewer & drainage (future)



# Key Project Component

## Education & Input:

- Gov't Officials
- Taxpayers
- Residents
- Businesses/Industries
- Nonprofits
- Youth
- Educators
- General Public & Stakeholders



# **Preliminary (25%) Design of Corridor & Key Intersections**

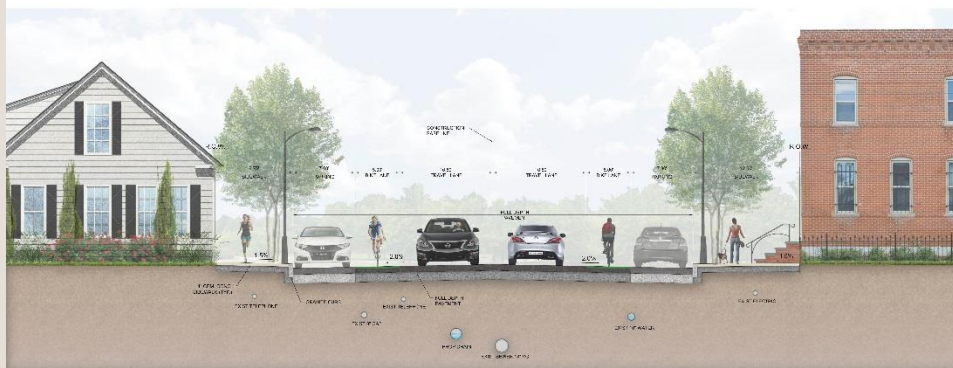
# BROADWAY INFRASTRUCTURE DESIGN

Chelsea, Massachusetts



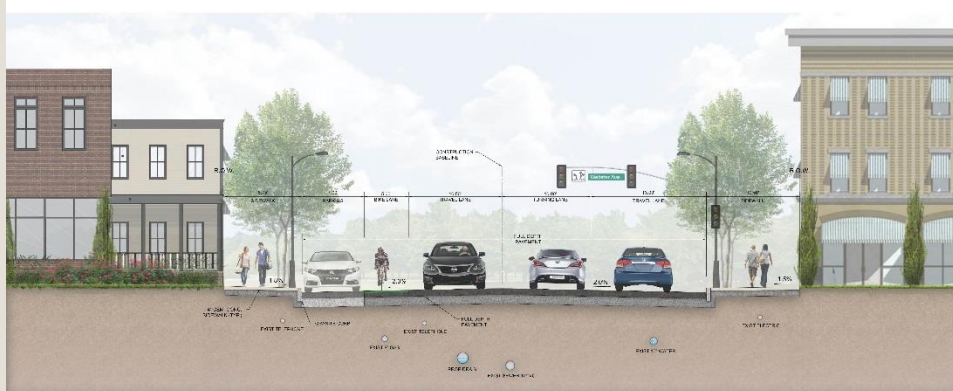
TYPICAL EXISTING SECTION

SCALE: N.T.S.



TYPICAL PROPOSED SECTION

SCALE: N.T.S.



PROPOSED SECTION WITH TURNING LANE AT INTERSECTION

SCALE: N.T.S.



# CRESCENT AVE INTERSECTION

## Broadway Infrastructure Design



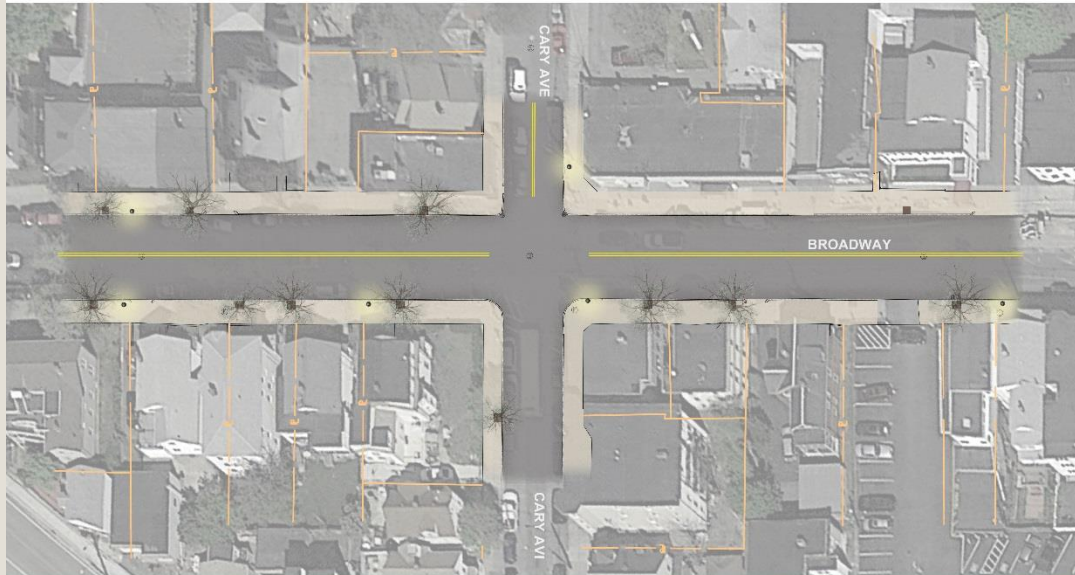
EXISTING



PROPOSED

# CARY AVE INTERSECTION

## Broadway Infrastructure Design



EXISTING



PROPOSED



# WEBSTER AVE INTERSECTION

## Broadway Infrastructure Design



EXISTING



PROPOSED



# STOCKTON STREET INTERSECTION

## Broadway Infrastructure Design



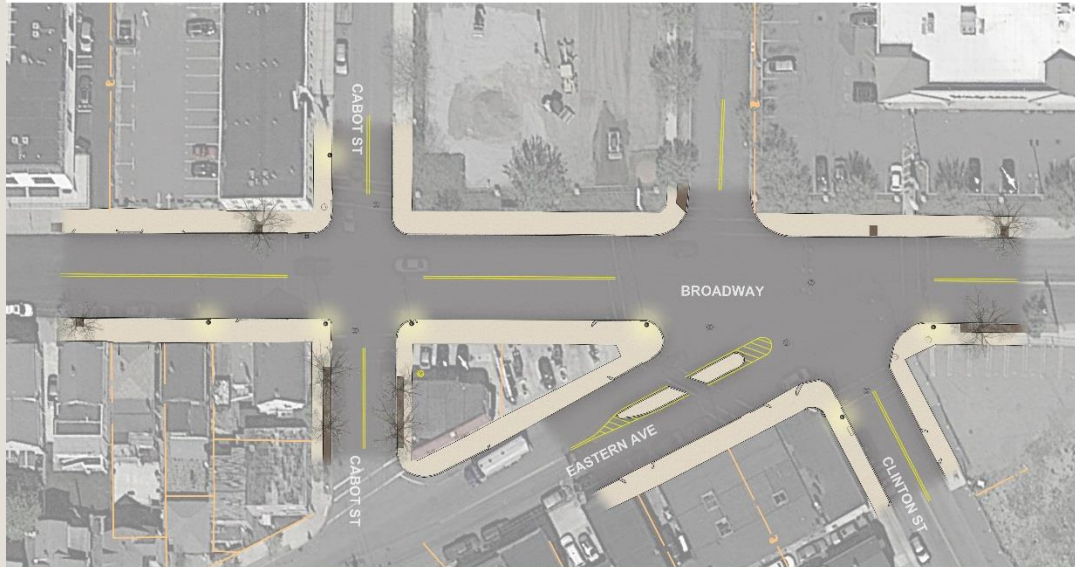
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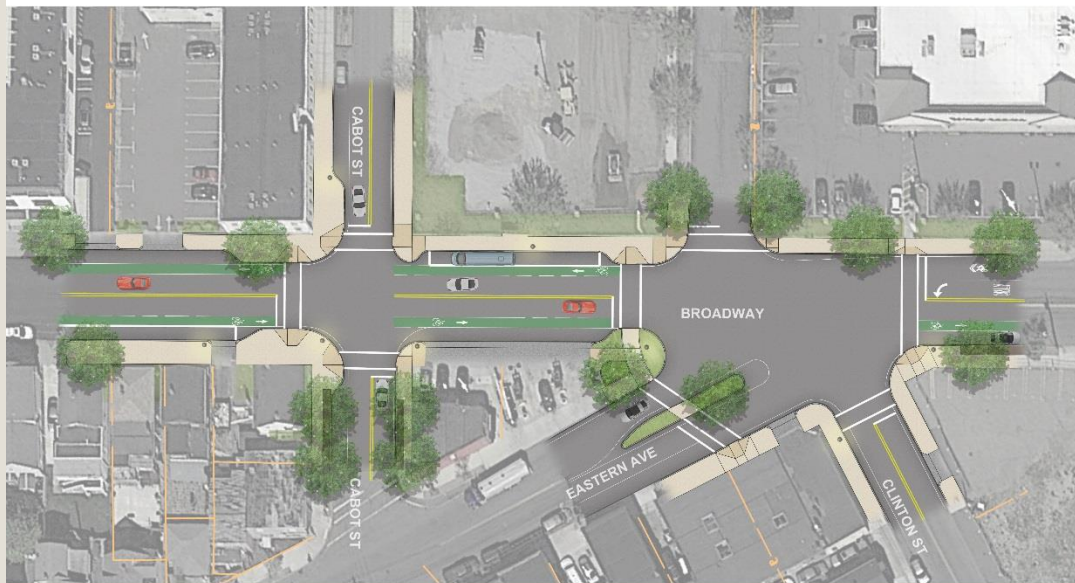
PROPOSED

# EASTERN AVE INTERSECTION

## Broadway Infrastructure Design



EXISTING



PROPOSED

# Key Project Steps

## On-Going/Complete

- Secure Funding
- Corridor planning, existing conditions traffic analysis, future conditions extrapolation
- Roadway Safety Audit (RSA) Report & Recommendations
- Stakeholder Consultation

## Next Steps

- 25% Design Submission to MassDOT, Boston MPO for TIP
- MassDOT 25% Design Public Hearing
- Continue exploring funding opportunities
- Alternatives/Opportunities Analysis & full design
- Construction

*Additional public meetings will be convened as the design process evolves, as project funding is identified, and as a firm construction timeline becomes apparent. We need your feedback!*



**Thank you for attending!**

**Questions? Comments?**