

Welcome!

Intersection Improvements at Three Locations

Beverly | Project File No. 608347

DESIGN PUBLIC HEARING

Council of Aging
July 17, 2018 | 6:00 PM

Introduction

- Kimberley Sloan - MassDOT Project Manager
- Bryan Slack, PE, PLS, MBA – MassDOT Right-of-Way
- Design Consultant – WorldTech Engineering, LLC
 - President – Rich Benevento
 - Vice President – William (Bill) Mertz, PE
 - Traffic Engineer – Michael Pompili
 - Project Engineer – Kristopher Surette, PE

Project Team



City of Beverly

Project Proponent

WorldTech Engineering, LLC

Responsible for Design

MassDOT's Highway Division

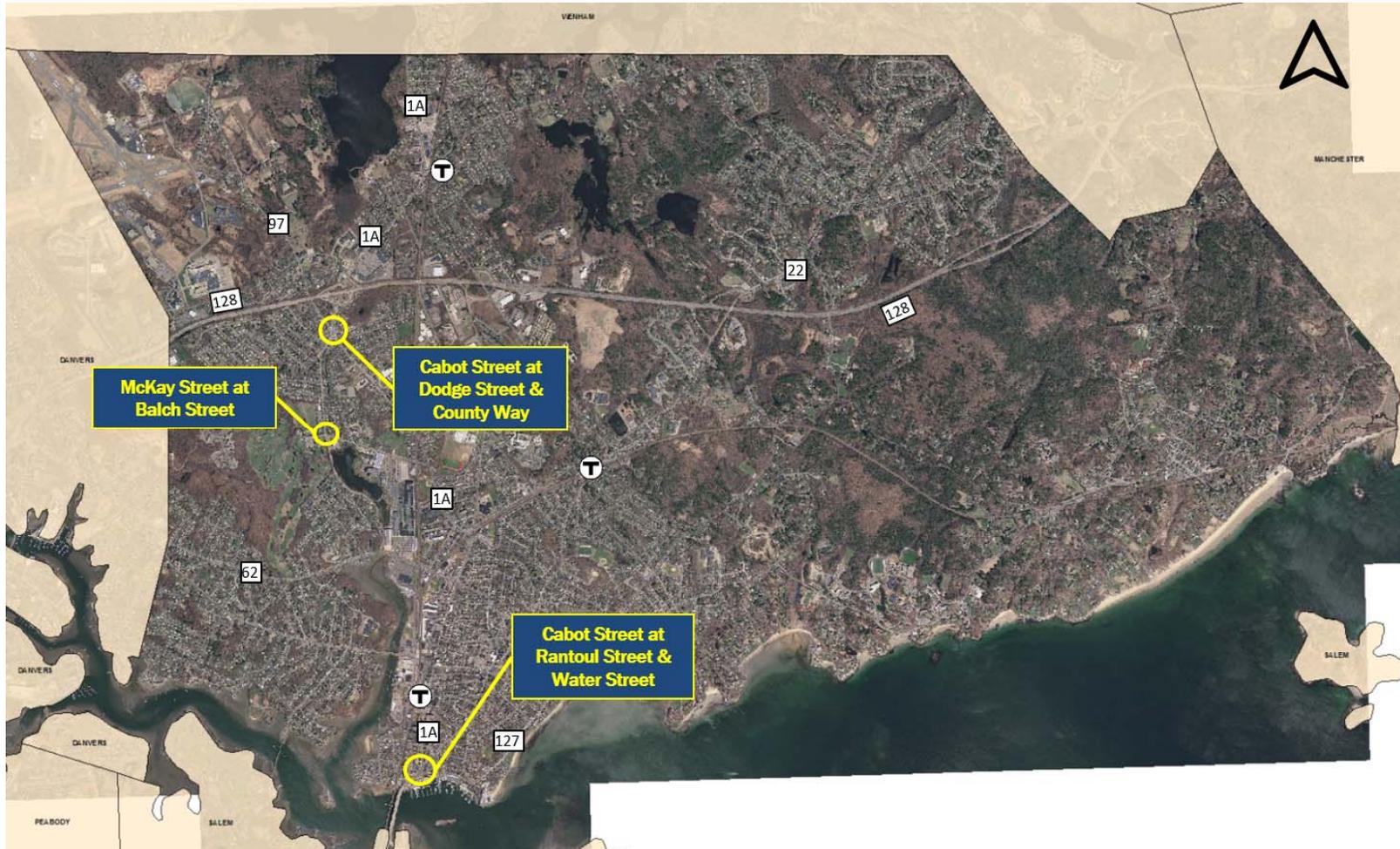
Responsible for administering the Design Process and providing Resident Engineer Services

History of Public Outreach

- **Public Workshop**
 - **Held at Beverly Public Library on April 26, 2017**
 - **WorldTech Engineering on behalf of the City outlined the project history and presented conceptual renderings of each location**
 - **Provided an open forum for stakeholders to discuss project**
- **MassDOT Utility Coordination Meeting**
 - **Conducted on June 13, 2018**
 - **Project team walked each intersection to investigate potential utility conflicts including the relocation of utility poles**
- **Ongoing Coordination with City Departments & MassDOT**



Project Area



Intersection Improvements at Three Locations

**Why do we need
this project?**



Existing Issues

- **Traffic and Safety**
 - Traffic congestion / excessive queuing
 - Left turns cause back-ups
 - Confusing lane assignments
 - Poor Intersection geometry
- **Substandard pedestrian / bicycle accommodations**
 - Bicycle facilities not provided at intersection locations
 - Inconsistent sidewalk materials / condition
 - Lack of ADA compliant wheelchair ramps and crossings
 - Excessive crosswalk lengths, missing crosswalks
- **Pavement condition**
 - General pavement degradation and deterioration
 - Utility trenches, potholes, crack sealing

Existing Issues (cont.)



Traffic and Safety

- Stop sign on Balch Street (single lane approach) causes a significant queue along Balch Street



Traffic and Safety

- One lane on Dodge Street heading south, toward project intersection, causes traffic to back up adjacent to highway off-ramp

Existing Issues (cont.)



Substandard Pedestrian / Bicycle Accommodations

- Lack of ADA compliant wheelchair ramps
- Crosswalks poorly defined



Substandard Pedestrian / Bicycle Accommodations

- Inconsistent sidewalk materials
- Obstructions in sidewalk prohibit ADA clearance

Existing Issues (cont.)



Substandard Pedestrian / Bicycle Accommodations

- Excessive crosswalk lengths
- Lack of crosswalks at intersection approaches



Substandard Pedestrian / Bicycle Accommodations

- Bicycle facilities not provided at project locations

Existing Issues (cont.)



Poor Pavement Condition

- Rutting, pothole patches, crack sealing
- Localized pavement failure around utility structures

Project Goals

- **Traffic and Safety** | Addition of turn lanes to alleviate traffic
- **Poor Pavement Condition** | Combination of Mill & Overlay and Full Depth Construction based on pavement condition
- **Substandard Pedestrian Accommodations** | Reconstruct sidewalks and wheelchair ramps at each intersection
- **Lack of Bicycle Accommodations** | Provide dedicated bike lanes at locations 1 and 3, shared lane markings throughout
- **Complete Streets Policy** | Design in conformance with MassDOT / City of Beverly Complete Street Policy and guidelines

Current Project Schedule

25% Design Submittal
June 6, 2017

Design Public Hearing
July 17, 2018

**Final Design, ROW, and
Permitting Completed**
Spring 2019

**Anticipated
Construction Start**
Summer 2019



**How will traffic
be affected?**

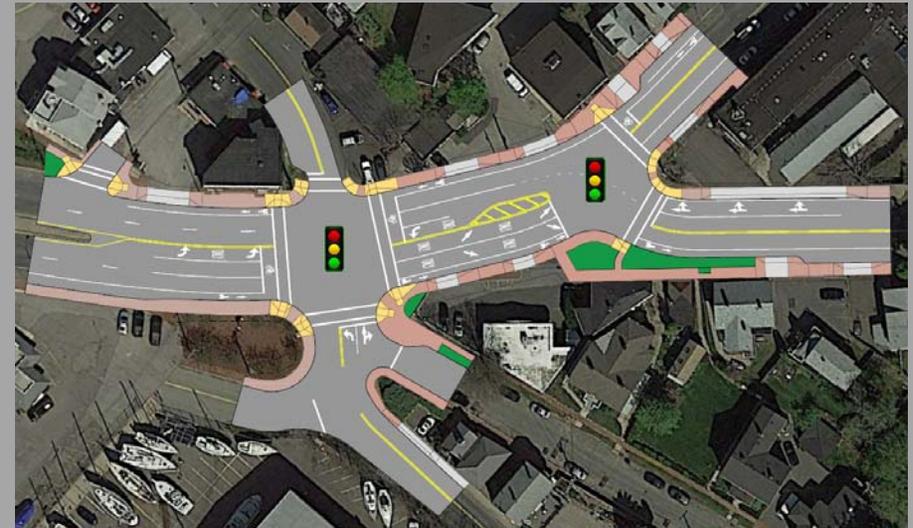




ALERT: Traffic Impacts

- **Pavement resurfacing (mill and overlay in most areas)**
- **Temporary shifting of traffic using signage and police details**
- **Temporary road closures may be anticipated (short term)**
 - **Balch Street and McKay Street intersection (full depth construction)**
- **Temporary pedestrian detours will ensure accessible routes throughout the duration of construction**
- **Construction operations will be coordinated with City Officials to reduce traffic impacts during peak hours**
- **Construction complete in two construction seasons**

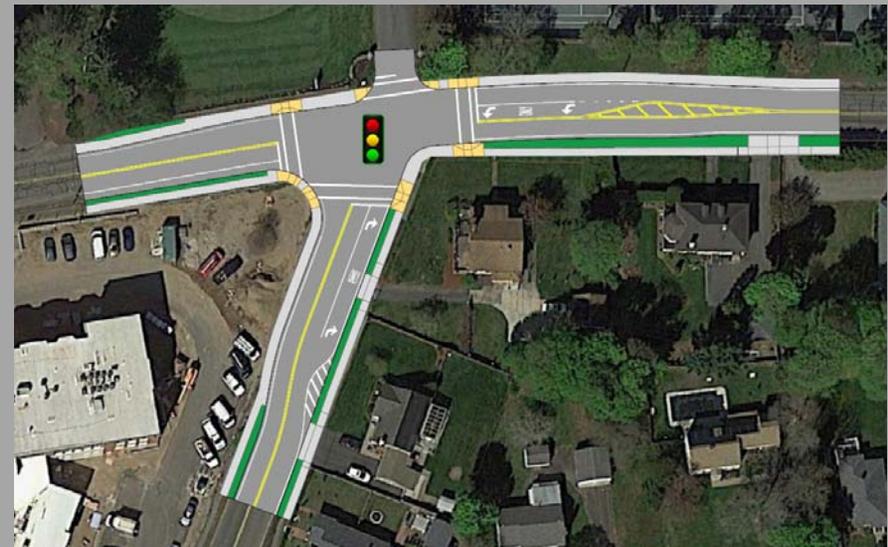
Proposed Improvements



Location 1:

- Reconstruct Cabot Street, Rantoul Street, and Water Street intersection to provide new traffic signal equipment, reduce pavement widths, and shorten pedestrian crossing distances
- Eliminate slip lane from Essex Bridge on to Cabot Street
- Provide bike lanes and accommodations for users through project area

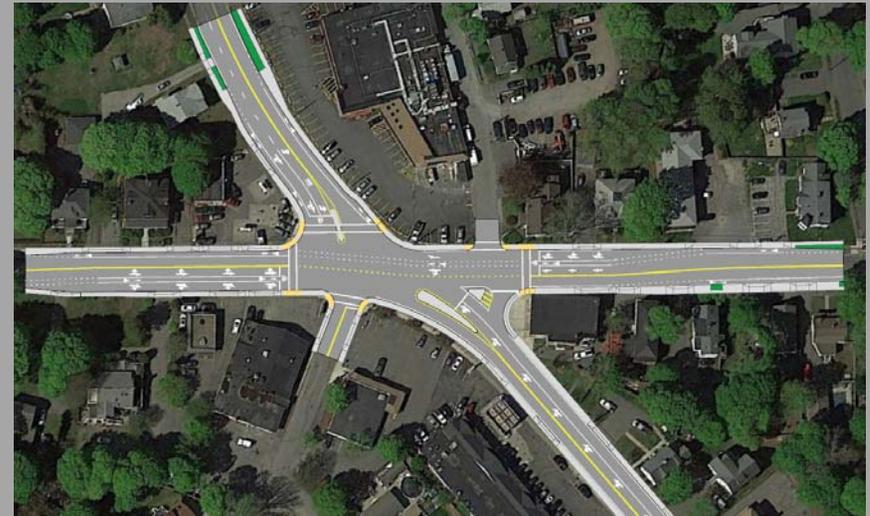
Proposed Improvements



Location 2:

- Reconstruct McKay Street and Balch Street intersection to include a traffic signal, improving traffic operations
- Add a left turn lane on McKay Street and a right turn lane on Balch Street to minimize queue lengths
- Reconstruct Pavement Structure
- Replace drainage system

Proposed Improvements



Location 3:

- Reconstruct Cabot Street, Dodge Street, and County Way intersection to improve safety and operations for all users , add northbound slip lane on Dodge Street to improve traffic flow, two lane approach Dodge Street southbound toward intersection
- Provide new traffic signal equipment
- Mill & Overlay pavement rehabilitation and drainage improvements
- Provide bike lanes and accommodations for users through project area

Proposed Improvements



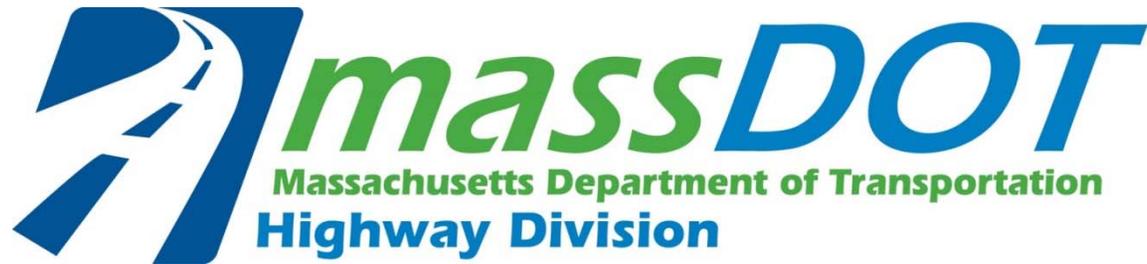
Pedestrian Improvements

- Reconstruct sidewalks with granite curb
- Construct ADA-compliant wheelchair ramps at crosswalks
- Shorter crossing distances / pedestrian refuge islands

Contact Information



- Communication regarding project:
 - Mail-in comment sheets
 - Contact Person; Kimberley Sloan
 - E| Kimberley.Sloan@dot.state.ma.us
 - P| 857.368.9328



Thank You

Q&A

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