Welcome!

Intersection Improvements at Merrimack Street and
South Broadway (Route 28)

Lawrence | Project #609509

25% Design Public Hearing
Virtual Presentation
Published September 11, 2020

Introduction

- Jonathan Freeman, EIT, RSP1
    - MassDOT Project Manager
    - jonathan.e.freeman@state.ma.us

- MassDOT Design Consultant

    - Lori Aho, P.E., ENV SP – Project Manager
    - laho@theengineeringcorp.com

History of Public Outreach

- April 2018 – Merrimack Street public meeting inclusive of this location

- November 2019 – 25% Design Submittal

- September 2020 – Design Public Hearing

Project Team

City of Lawrence

Project Proponent

Responsible for acquiring easements

TEC, Inc.

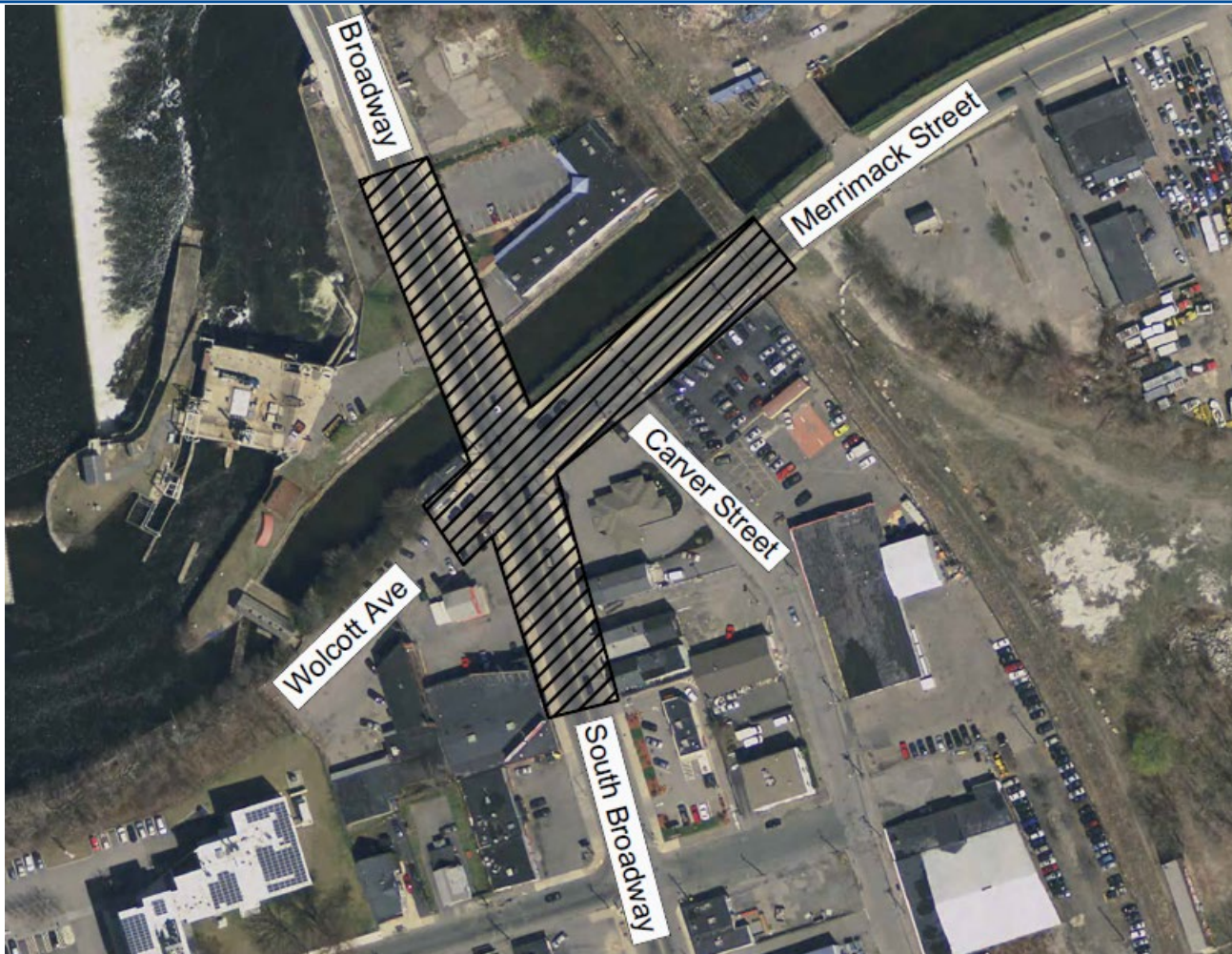Consultant Engineering Firm

Responsible for Design

MassDOT's Highway Division

Responsible for administering the Design Process and providing Resident Engineer Services

Federal Highway Administration
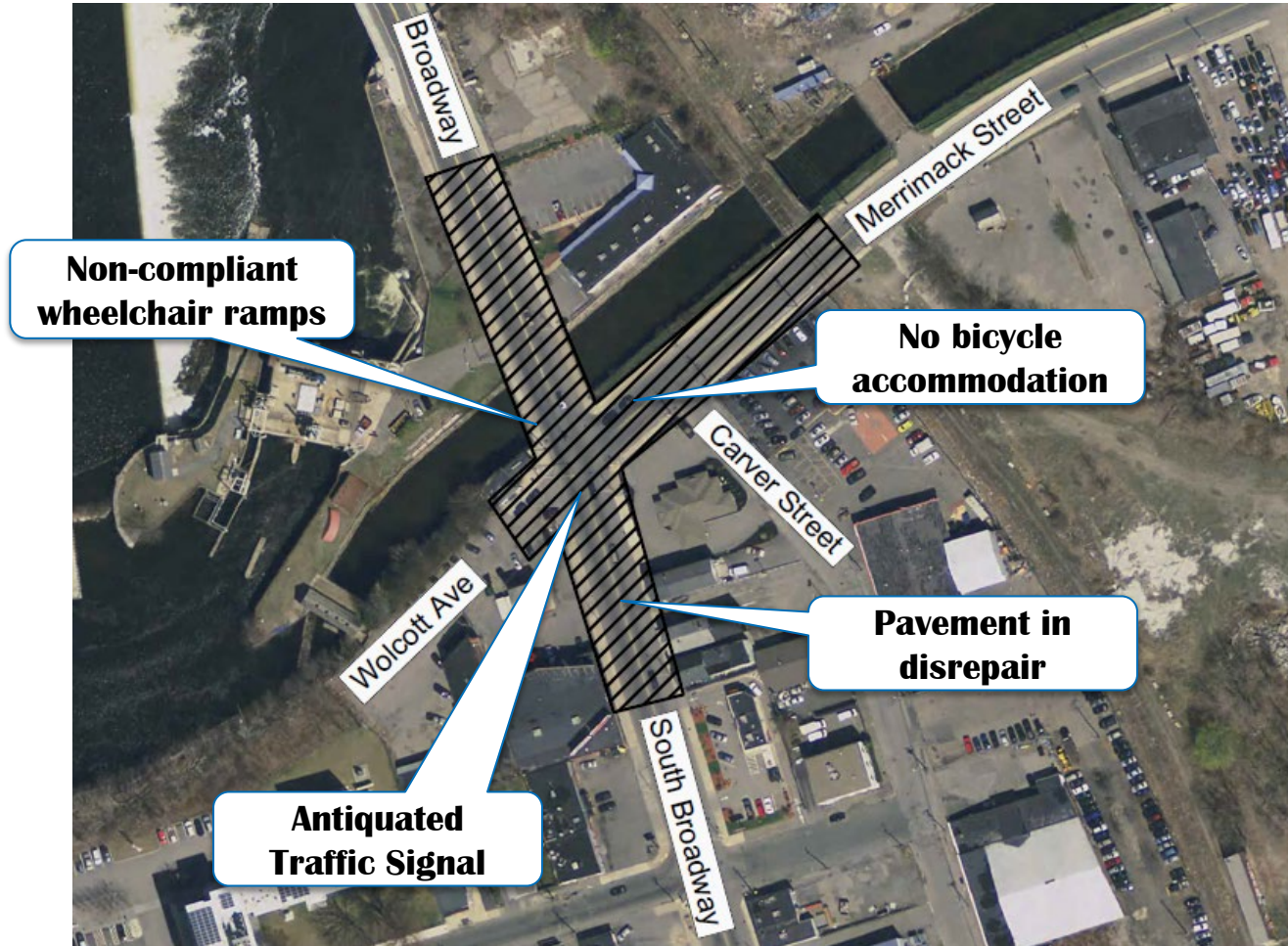
Responsible for Oversight

Project Area

Why do we need this project?

Existing Issues

- **Intersection Operations**
  - All approaches consist of single general-purpose travel lanes
  - Traffic Signal equipment is old & does not meet current standards
  - Vehicle delays

- **Intersection Condition**

  - Missing and faded pavement markings
  - Poor pavement conditions

- **Pedestrian Accommodations**

  - Some sidewalks and wheelchair ramps do not meet ADA-standards
  - Crosswalks are faded
  - No pedestrian indications or push buttons

- **Bicycle Accommodations**
  - No bicycle accommodations

Existing Issues (cont.)

Non-compliant wheelchair ramps

No bicycle accommodation

Pavement in disrepair

Antiquated Traffic Signal

Broadway

Merrimack Street

Carver Street

Wolcott Ave

South Broadway

Existing Issues (cont.)

**Deficient sidewalk, pavement deterioration,
antiquated traffic signal, no pedestrian signals**

Existing Issues (cont.)

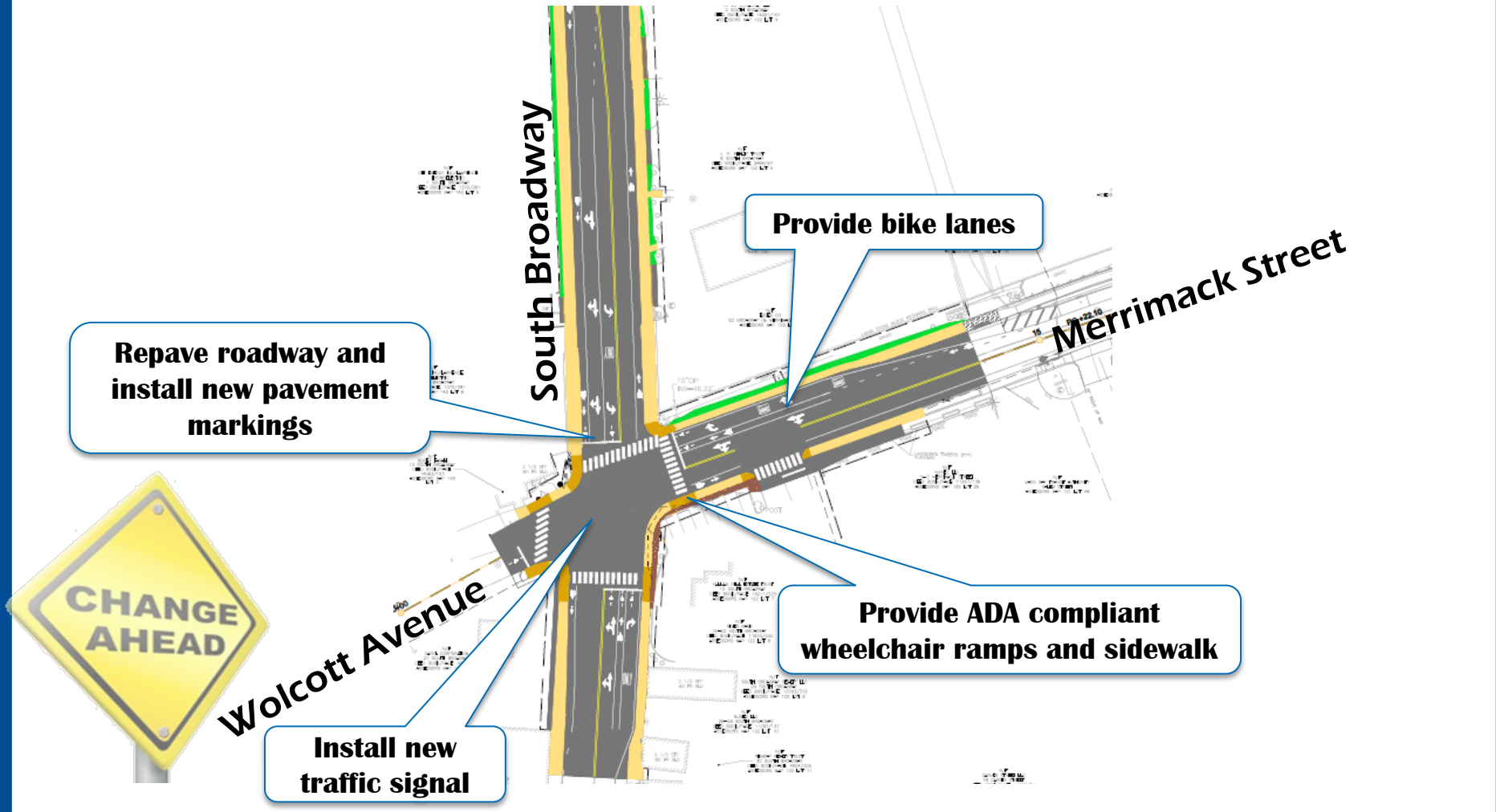**Lack of bicycle accommodation,
Faded/missing pavement markings**

Project Goals

- Intersection Safety | Improve traffic operations

- Antiquated Traffic Signal | Install new Traffic Signal

- Pavement Deficiencies| Repave and restripe roadway

- Deficient Pedestrian Accommodation | Reconstruct sidewalk and wheelchair ramps

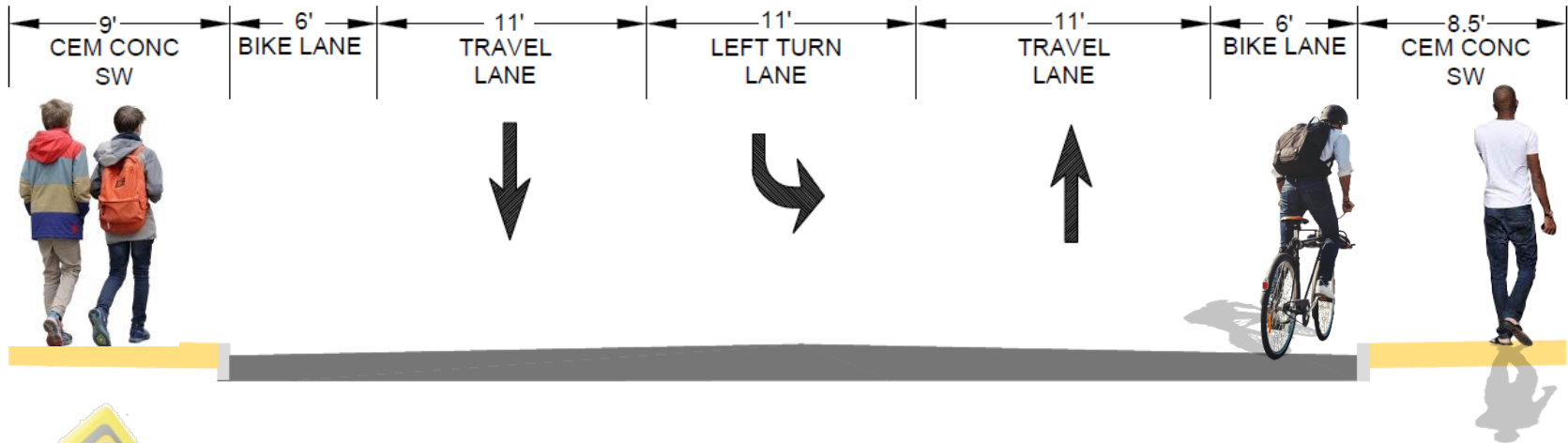- Lack of Bike Accommodation | Provide bike lanes

Project Scope

- Reconstruct fully-actuated traffic signal to reduce vehicle delays and improve safety for all

- Reconstruct all sidewalks including wheelchair ramps

- Install bike lanes

- Restripe roadway on each approach to better define travel lanes and clearly define cross walks.

- Install new traffic signs

- Pavement resurfacing

Proposed Improvements

Provide bike lanes

Repave roadway and install new pavement markings

Provide ADA compliant wheelchair ramps and sidewalk

Install new traffic signal

South Broadway

Merrimack Street

Wolcott Avenue

CHANGE AHEAD

Proposed Improvements

Alternatives

- No-build
  - Would not address the current issues

- Current Design
  - Pavement Riding surface rehabilitation
  - Pavement markings and signage to better define travel lanes
  - New bike lanes
  - New sidewalks and wheelchair ramps
  - Install a fully-actuated traffic signal

How will traffic be affected?

ALERT: Traffic Impacts

- Police details
- Lane shifts(utilize ==shoulders==)
- Off-peak lane closures
- Pedestrian detours to opposite side of street
- Maintain access to residences & businesses

Environmental Permitting

- NEPA

- Section 106

- RDA/NOI

Next Steps/Meeting

- Advance to 75% design considering public input

- Environmental Permitting

- Municipality to meet with abutters to acquire necessary easements

- Complete Final PS&E design

- Advertise for construction

Contact Information

- Comments must be submitted in writing by September 28, 2020

    ➢ By Mail: Patricia A. Leavenworth, P.E., Chief Engineer
                           MassDOT
                           10 Park Plaza, Boston, MA 02116,
                           Attention: Roadway Project Management, Project File No. 609509

    ➢ By email: dot.feedback.highway@state.ma.us
                           Subject Line: Attention: Public Hearing Webinar comments: Project File No. 609509

    ➢ Website address (Project Handout Form)
                           https://www.mass.gov/orgs/massachusetts-department-of-transportation

**Thank You
For Joining US !**

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Hearing**