

Welcome!

Sumner Ave at Belmont Ave and Dickinson Street (The X)
Intersection and Related Improvements Project
Springfield, Massachusetts | Project File No. 608717

DESIGN PUBLIC HEARING

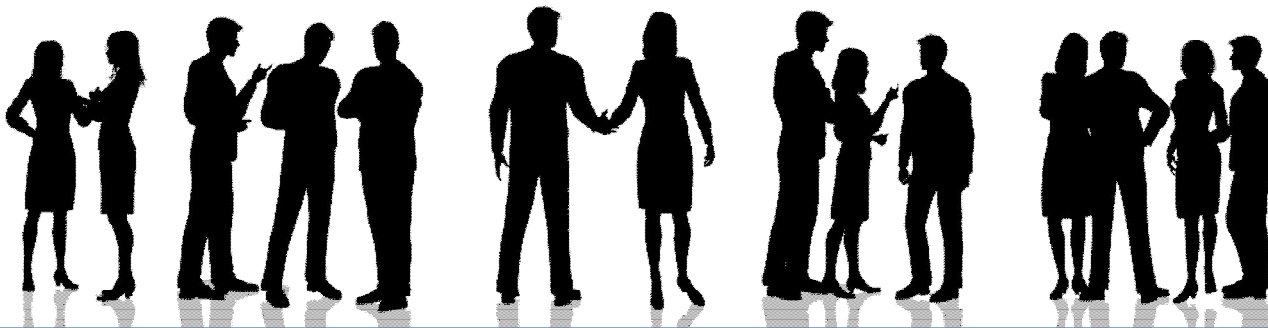
Forest Park Middle School Auditorium
September 17, 2019 | 6:30 PM

Introduction

- MassDOT Project Manager
 - Shawn S. Holland
- MassDOT District 2 Representative
 - Bao D. Lang, P.E., District 2 Traffic Engineer
- MassDOT Community Compliance ROW Representative
 - Bryan Slack
- Process Facilitators
 - Christopher M. Cignoli, P.E., Director of Public Works
 - Stephen J. Savaria, PE, PTOE, Fuss & O'Neill
 - Jonathan Allard, PLA, Fuss & O'Neill
 - Nicholas Lapointe, PE, Fuss & O'Neill

History of Public Outreach

- **The City of Springfield held two public meetings as part of the X Improvements Planning Study: October 6, 2015 and February 10, 2016.**
- **City and F&O presented a Pre-25% Concept plan to the Forest Park Civic Association meeting on 12/12/2017.**
- **City of Springfield sent all property owners within project limits a letter soliciting comments on the 25% plans. Comments were received and responses issued by Springfield DPW.**



Project Team



City of Springfield
Project Proponent

Fuss & O'Neill, Inc.
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



Project Location
Limits of Work



Why do we need
this project?



Existing Issues

- Intersection Safety
- Congestion and Delay
- Cut-Through Traffic
- Deficient Pedestrian Facilities
- Inadequate Bicycle Accommodation
- Obsolete Signal Equipment

Existing Issues (cont.)

Intersection Safety

Pioneer Valley Planning Commission Top-100 High Crash
Intersections in the Pioneer Valley Region 2016

#1 - Sumner Avenue at Dickinson Street/Belmont Avenue

#12 - Sumner Ave at Ormond St/Pomona St/Sorrento St

#64 - Sumner Avenue at Oakland Street

#70 - Sumner Avenue at Forest Park Entrance

Project Goals

Safe, Multimodal, Walkable, Livable, Sustainable

- Intersection Safety | Increase Intersection Safety
- Congestion and Delay | Improve Operations, Progression
- Cut-Through Traffic | Reduce Cut-Throughs
- Deficient Pedestrian Facilities | Upgrade Walks, Ramps, Plazas
- Inadequate Bike Accommodation | Add Bike Lanes
- Obsolete Signal Equipment | Replace Signals

Project Scope

- Traffic pattern modifications to alleviate congestion and improve safety
- New traffic signal equipment to improve operations
- New signal coordination plan to improve Sumner Avenue traffic progression
- Provision of 5' bicycle lanes
- Construction of a multi-use path within Forest Park
- New sidewalks, pedestrian facilities, furnishings and landscaping.
- Improve pedestrian accessibility and crossing lengths
- Addition of left and right turn auxiliary lanes


Project Schedule

25% Design Submittal
July 2018

100% Design Submittal
December 2021

Design Public Hearing
September 2019

Construction Starts
Spring 2024



How will traffic
be affected?





ALERT: Traffic Impacts

- Lane closures
- Alternative routes
- Road closures
- Pedestrian detours
- Temporary access to businesses

Alternatives

- Alternatives were analyzed during the project planning stage and discussed at the public presentation
- Specific plan revisions to address private property impacts will be considered during the design development



Proposed Improvements Description 1

The "X" — Sumner Avenue at Dickinson Street and Belmont Avenue

- Redesign the Belmont Avenue north leg to provide a one-way roadway northbound from Sumner Avenue to Burlington Street (i.e., departing the "X").
- Redesign the Belmont Avenue south leg to provide a one-way roadway southbound from Sumner Avenue to Commonwealth Avenue (i.e., departing the "X").
- Reconfigure the Sumner Avenue westbound approach to provide an exclusive left-turn lane onto Dickinson Street southbound.
- Reconfigure the Dickinson Street northbound and southbound approaches to provide exclusive left turn lanes onto Sumner Avenue.
- Permit right turns from Dickinson Street southbound approach to Sumner Avenue with a "No Turn on Red" sign.

Proposed Improvements Plan 1





Proposed Improvements Description 2

Belmont Avenue North of the "X"

- Redistribute Belmont Avenue southbound traffic destined for Sumner Avenue eastbound, Dickinson Street southbound, and Belmont Avenue southbound to Oakland Street and then to Sumner Avenue.
- Reconstruct the Belmont Avenue and Burlington Street intersection to provide a mini-roundabout, with Belmont Avenue north and Burlington Street providing two-way traffic flow, and Belmont Avenue south providing one-way traffic flow approaching the intersection (i.e., away from the "X").
- Modify traffic signal operations at the Belmont Avenue and Oakland Street intersection.
- Modify traffic signal operations at the Sumner Avenue and Oakland Street intersection.



Proposed Improvements Plan 2





Proposed Improvements Description 3

Belmont Avenue South of the "X"

- Redistribute Belmont Avenue northbound traffic destined for Sumner Avenue westbound, Belmont Avenue northbound, and Dickinson Street northbound to Ormond Street and then to Sumner Avenue.
- Convert Ormond Street to a one-way roadway northbound from Belmont Avenue to Sumner Avenue.
- Remove the existing traffic signal at the Sumner Avenue intersection with Belmont Avenue south.
- Reconstruct the Belmont Avenue and Commonwealth Avenue intersection to provide a mini-roundabout, with Belmont Avenue south and Commonwealth Avenue providing two way traffic flow, and Belmont Avenue north providing one way traffic flow approaching the intersection (i.e., away from the "X").



Proposed Improvements Plan 3





Proposed Improvements Description 4

Sumner Avenue West of the "X"

- Relocate the Sumner Avenue traffic signal from the Lenox Street intersection to the Cliftwood Street intersection. .
- Convert Lenox Street to a one-way roadway southbound from Sumner Avenue.
- Convert Cliftwood Street to a one-way roadway northbound toward Sumner Avenue.
- Remove the existing traffic signal at the Sumner Avenue intersection with Lenox Street.
- Place the Sumner Avenue and Cliftwood Street intersection under traffic signal control. Include the Cliftwood Street traffic signal within a coordinated traffic signal system with the "X" signalized intersection.

Proposed Improvements Plan 4



Existing Cross Section



SUMNER AVENUE CROSS SECTION - EXISTING CONDITIONS

Proposed Cross Section



SUMNER AVENUE CROSS SECTION - PROPOSED



Proposed Improvements Description 5

Sumner Avenue at Oakland Street

- Restripe the Sumner Avenue eastbound approach to provide an exclusive left-turn lane and two through lanes.
- Reconfigure the Oakland Street southbound approach to provide an exclusive left turn lane and a right-turn lane

Proposed Improvements Plan 5





Proposed Improvements Description 6

Sumner Avenue at Ormond Street

- Place the Sumner Avenue and Ormond Street intersection under traffic signal control. Include the Ormond Street traffic signal within a coordinated traffic signal system with the “X” signalized intersection.
- Modify the Forest Park Liquors drive to be controlled by the traffic signal.
- Close the Santander Bank drive-through entrance.
- Restripe the Ormond Street northbound approach to provide an exclusive left—turn lane and a shared left-turn/through/right—turn lane.



Proposed Improvements Plan 6





Proposed Improvements Description 7

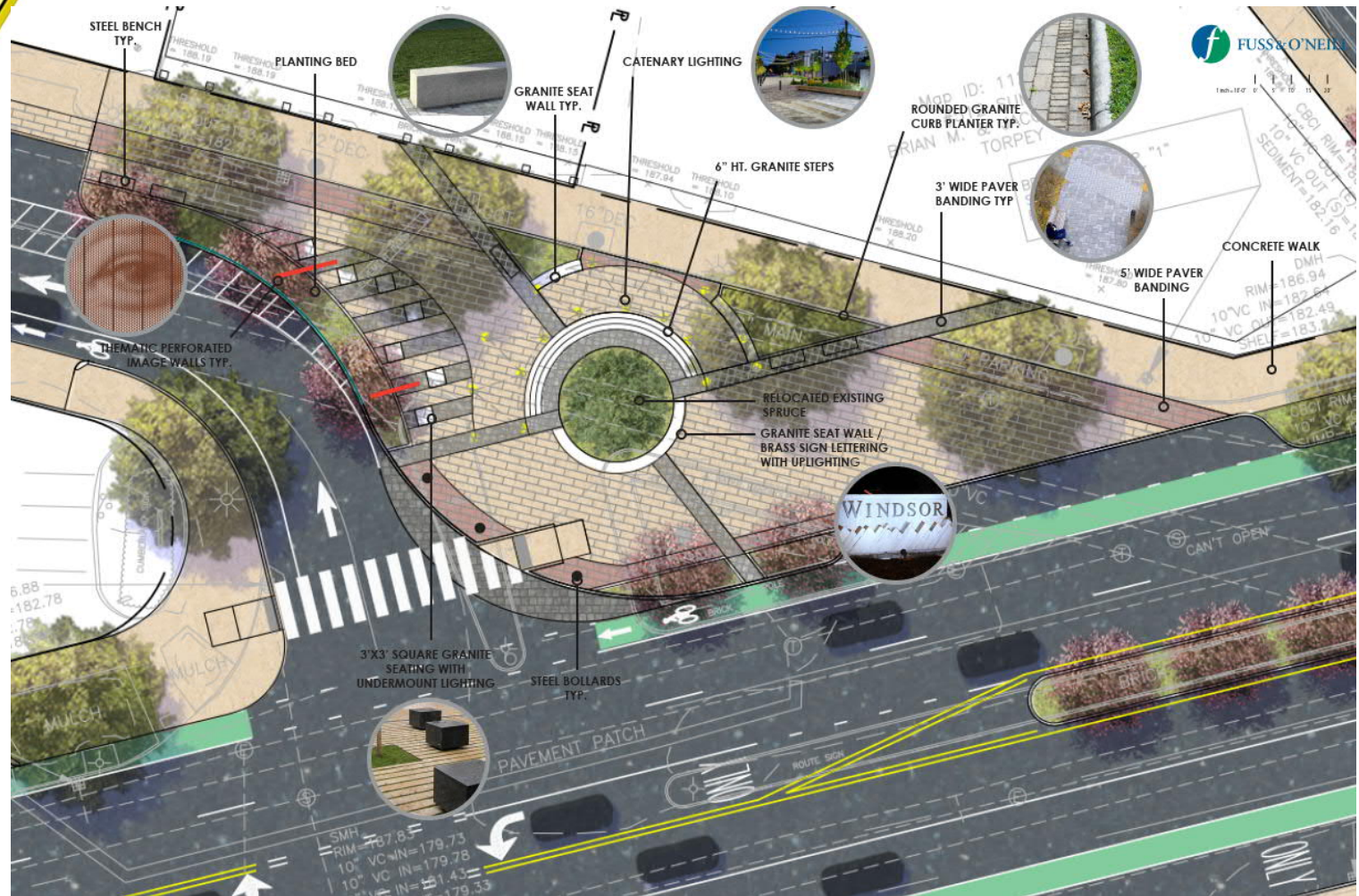
Sumner Avenue at Main Greeting Road (Forest Park main entrance)

- Construct a Sumner Avenue westbound exclusive left-turn lane for access into Forest Park.



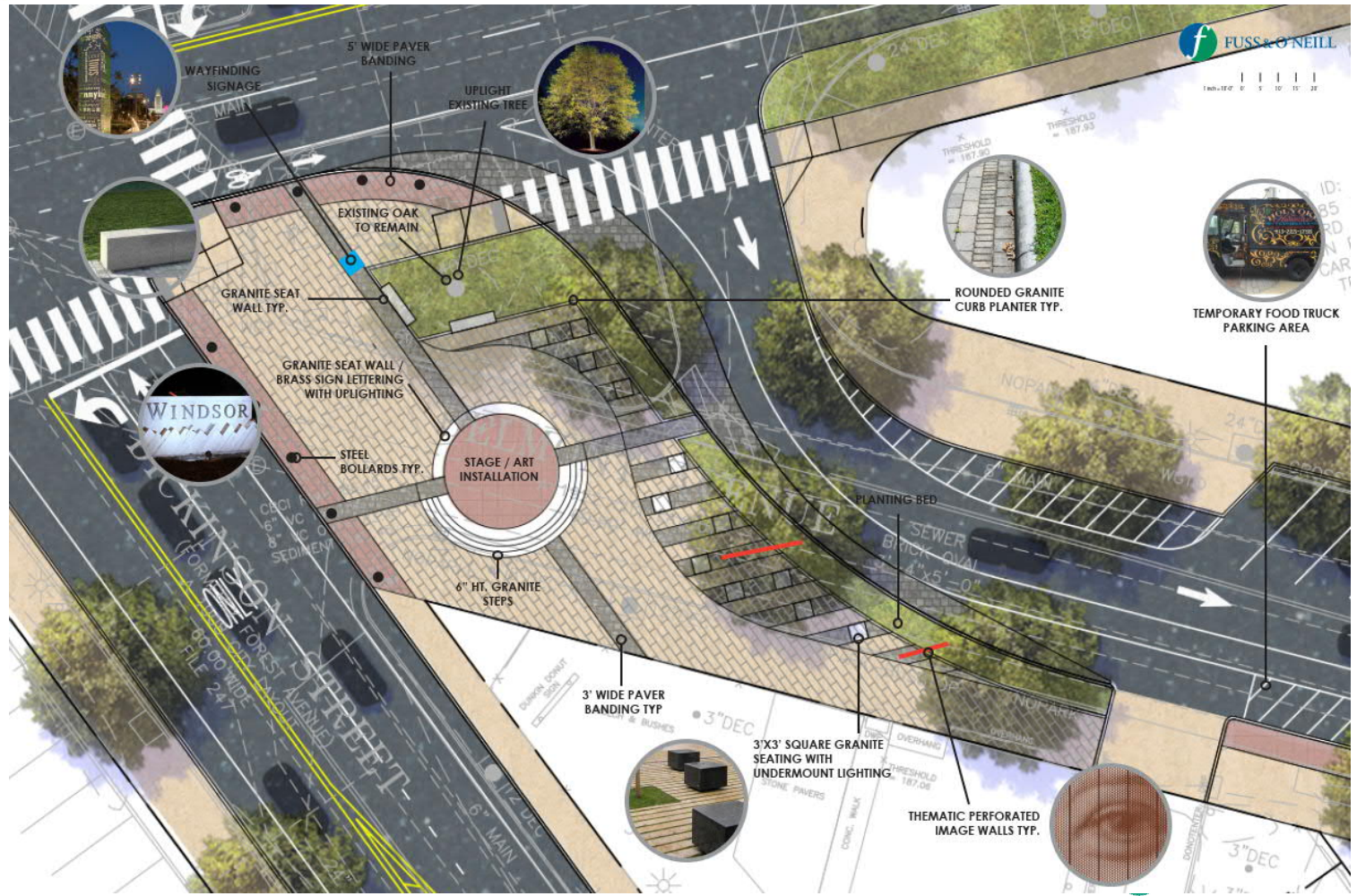
Proposed Improvements Plan 7







Pedestrian Plaza South



Environmental Permitting



- MEPA/NEPA (public comments)
- Massachusetts Wetland Protection Act
- Massachusetts Endangered Species Act
- Section 401 of the Clean Water Act
- Section 404 of the Clean Water Act
- Section 106 of the National Historic Preservation Act

Next Steps/Meeting

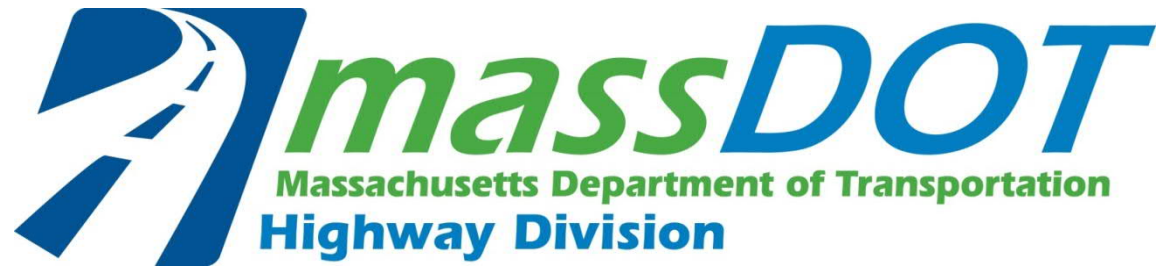
Public Information Meeting TBD

Contact Information



- Mail-in comment sheets
- Patricia A. Leavenworth, P.E;
 - Dot.feedback.highway@state.ma.us
- MassDOT Project File No. 608717

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Thank You

Q&A

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