



Welcome!

Bates Elementary School
Safe Routes to School (SRTS) Project
Salem | Project File No. 608743

DESIGN PUBLIC HEARING

Bates Elementary School
April 25, 2019 | 7:00pm

Introduction

- David Shedd, PE - Project Manager - MassDOT
- Jason DeGray, PE– Toole Design Group
- Chris Kelleher – Toole Design Group

History of Public Outreach

- **Safe Routes to School Assessment request submitted to MassDOT by Bates Elementary School – June 2013**
- **MassDOT District 4 and School and City Staff Infrastructure Assessment and Field Visit – November 6, 2013**
- **Preliminary Assessment report submitted – September 6, 2016**

Project Team



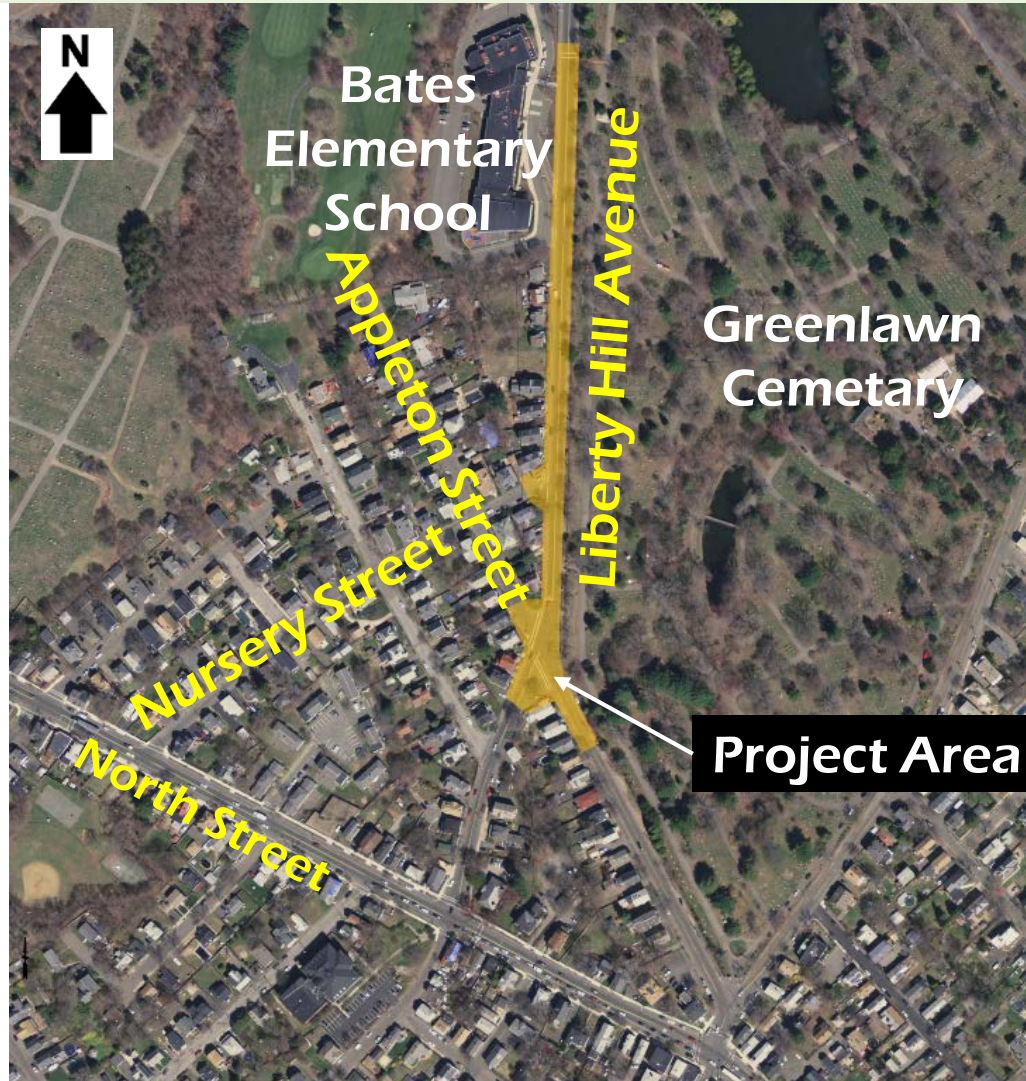
Municipality
Project Proponent

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

- Long pedestrian crossings at Liberty Hill Avenue & Appleton Street intersection
- Non ADA-compliant wheelchair ramps
- Tree in curb line of Liberty Hill Avenue at Nursery Street
- High vehicle speeds
- Crossing in front of school inadequate

Existing Issues (cont.)



- Long pedestrian crossing
- Tree in curb line

Existing Issues (cont.)



- Lack of ADA compliant wheelchair ramps

Existing Issues (cont.)



- Crossing in front of school inadequate

Project Goals

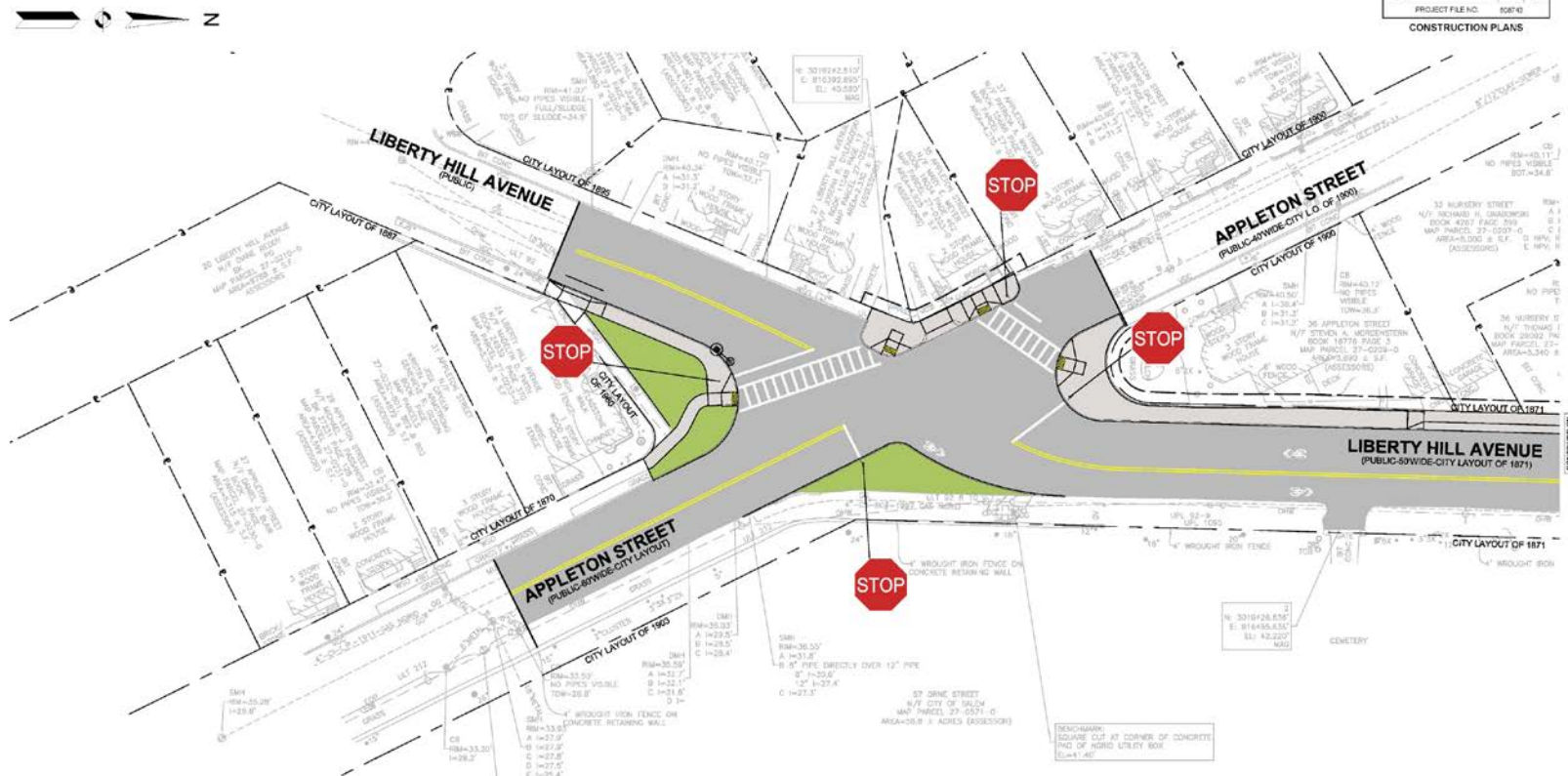
- **Intersection Safety** | Provide Safe Pedestrian Crossings by Shortening Crossing Distance and Removing Intersection Skew
- **Deficient Pedestrian Accommodation** | Improve Sidewalks / Wheelchair Ramps
- **Accessibility** | Provide ADA Compliant Wheelchair Ramps

Project Scope

- **Reconstruct existing sidewalks with vertical granite curb**
- **New curb extensions at crosswalks**
- **New accessible wheelchair ramps and crosswalks**
- **New pavement markings and traffic signs**
- **Stop control added to Liberty Hill Avenue at Appleton Street**
- **New Rapid Flashing Beacon at school crosswalk**

Construction Plans

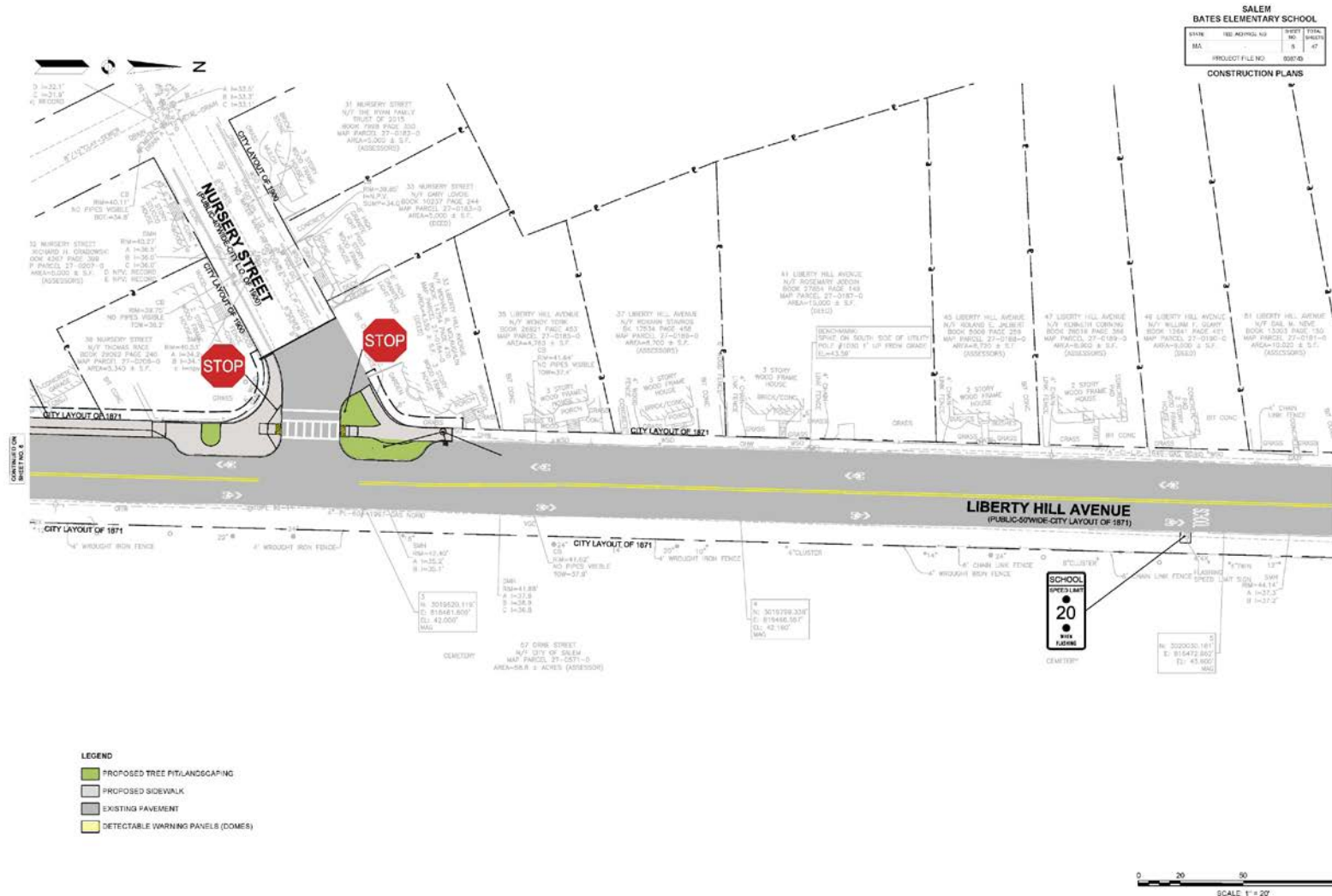
SALEM BATES ELEMENTARY SCHOOL			
STATE:	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	0	5	4
PROJECT FILE NO.		508740	
CONSTRUCTION PLANS			



- LEGEND**
-  PROPOSED TREE PIT/LANDSCAPING
 -  PROPOSED SIDEWALK
 -  EXISTING PAVEMENT
 -  DETECTABLE WARNING PANELS (DOMES)

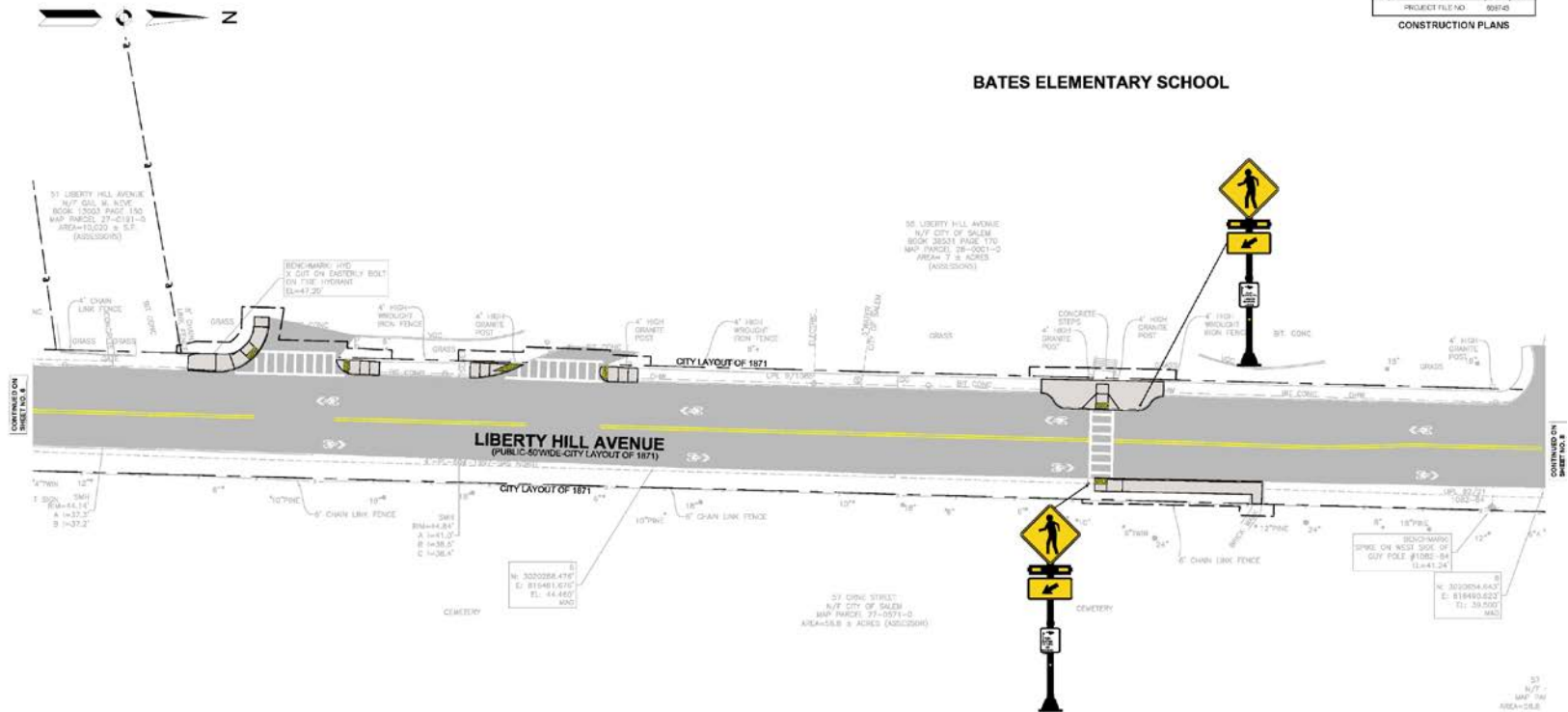


Construction Plans



Construction Plans

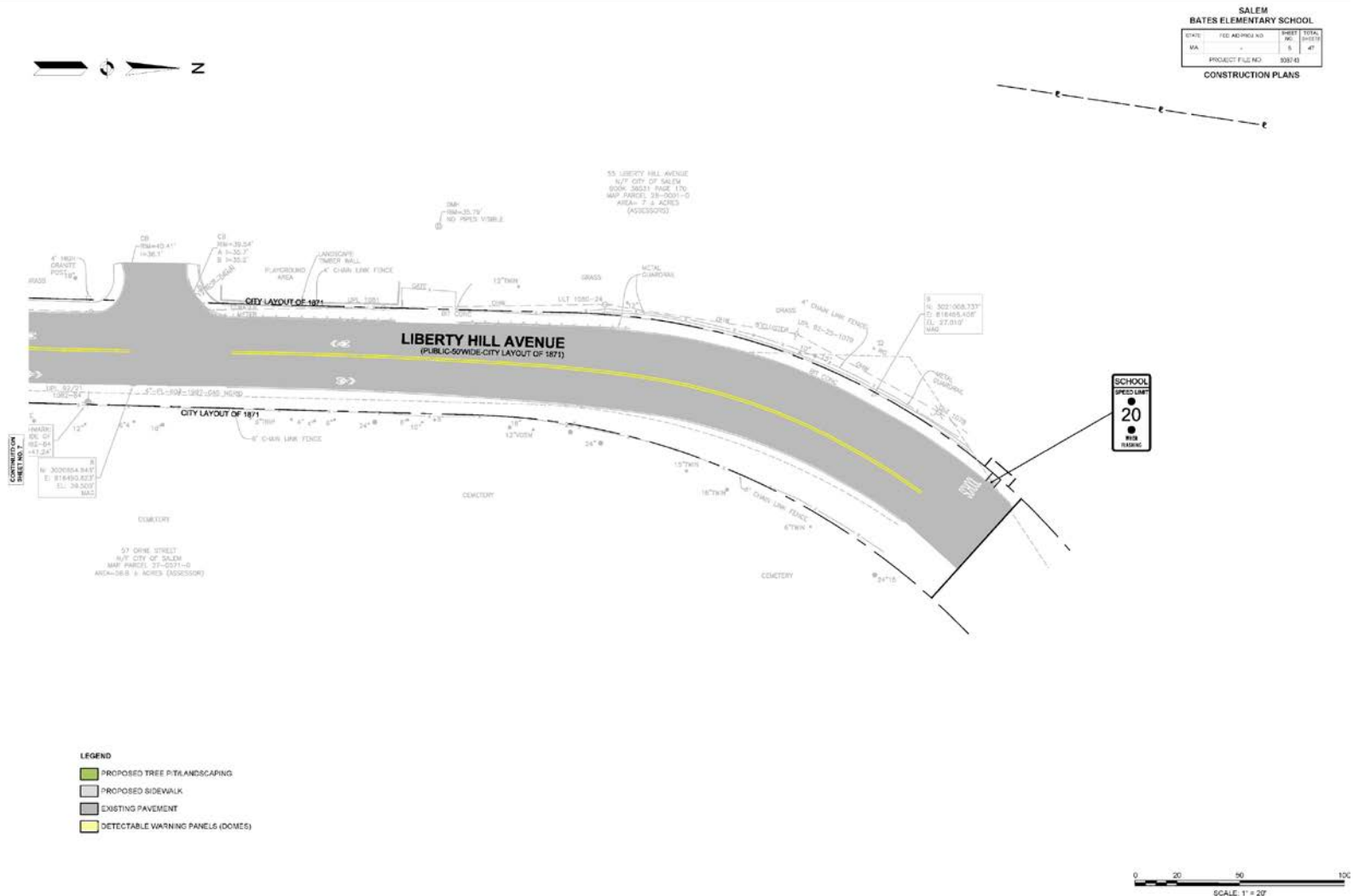
SALEM BATES ELEMENTARY SCHOOL			
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MA	-	7	47
PROJECT FILE NO.		009745	
CONSTRUCTION PLANS			



- LEGEND**
- PROPOSED TREE PIT/LANDSCAPING
 - PROPOSED SIDEWALK
 - EXISTING PAVEMENT
 - DETECTABLE WARNING PANELS (DOMES)



Construction Plans



Project Schedule

**25% Design Submittal
Date**

**100% Design Submittal
Date**

**Design Public Hearing
Date**

**Construction Starts
Date**



**How will traffic
be affected?**





ALERT: Traffic Impacts

- **Temporary Lane Closures during work hours**
- **No Road Closures or Detours**
- **Time of Day: Weekday work only during daytime hours**



Proposed Improvements

- **Reconstruct existing sidewalks with vertical granite curb**
Improve neighborhood walking experience
- **New curb extensions at crosswalks**
Shortens crossings/Improves visibility of pedestrians
- **New accessible wheelchair ramps and crosswalks**
Ensures access for all users



Proposed Improvements

- **Stop control added to Liberty Hill Avenue at Appleton Street**
Decreases vehicle speeds and improves pedestrian safety
- **New Rapid Flashing Beacon at school crosswalk**
Improves pedestrian safety

Next Steps/Meeting

MassDOT / Consultant will review and respond to all public comments received in writing or in this meeting.

Consultant will prepare next design submission package for MassDOT review and incorporate comments.

Contact Information



- Contact Person; David Shedd, Project Manager
(david.shedd@state.ma.us) 857.368.9329



Thank You

Q&A

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