

**MassDOT Safe Routes to School
Infrastructure Program
John Glenn Middle School
Bedford, MA**

Project Status Update

**Board of Selectmen
January 4th, 2016**



PLAN | PERMIT | DESIGN | CONSTRUCT



SRTS John Glenn Middle School Project Update



- 100% Funding: P-P-D-C
- Town Acquires Right-of-Way (URA)
- Program Goals
 - Improve Access & Safety
 - Encourage Children to Walk & Bike

SRTS John Glenn Middle School Project Update

John Glenn Middle School Bedford, Massachusetts

Safe Routes to School Infrastructure Program



Massachusetts Department of Transportation (MassDOT)
Office of Transportation Planning



Preliminary Assessment

April 3 2015

MassDOT
Massachusetts Safe Routes to School Infrastructure Team



KEY	PROPOSED IMPROVEMENT	FEASIBILITY	SAFETY/ MOBILITY BENEFIT	COST
Proposed SRTS Infrastructure Project				
SRTS	Reconstruct Sidewalks and Install Traffic Signal with Pedestrian Countdown Indicators at Great Road and Mudge Way Construct Sidewalk Connection Between High School and Middle School	High	High	Moderate
Recommendations to be Pursued by the City or through Other Funding Sources				
1	Construct Sidewalk on Railroad Avenue from the Reformatory Branch Rail to South Road (Currently in Design)	High	High	High
2	Improvements to Great Road Crossing at Bacon Road and Hillside Avenue	High	High	Low
3	Construct Sidewalk on Bacon Road / Crescent Avenue / Hartford Street	Moderate	Moderate	High
4	Construct Sidewalk and Install Lighting on School Way	Moderate	Moderate	High
5	Implement Drainage and Grading Improvements at Great Road and Loomis Street	Moderate	Moderate	Moderate

MassDOT
Massachusetts Safe Routes to School Infrastructure Team
Figure 4: Location of Recommended Improvements
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SRTS John Glenn Middle School Project Update



RECOMMENDED SCOPE OF WORK AND CONCEPTUAL COST ESTIMATE:

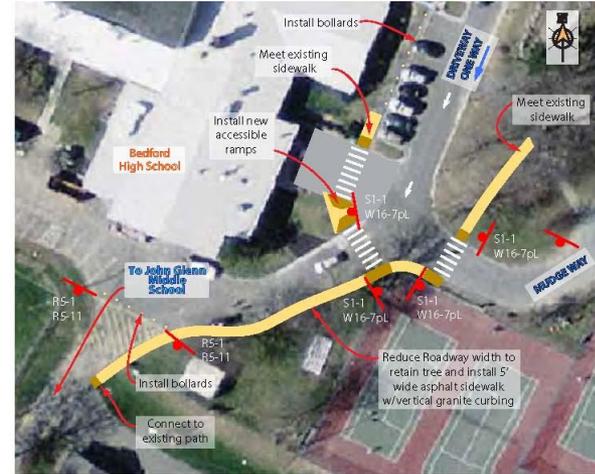
5' WIDE CONCRETE & ASPHALT SIDEWALK & GRANITE CURB (INCLUDING RAMPS)	= \$ 111,000
PAVEMENT MILL AND OVERLAY	= \$ 32,500
SIGNS & STRIPING	= \$ 8,000
LANDSCAPING	= \$ 6,500
TRAFFIC CONTROL/FIELD OFFICE	= \$ 77,500
DRAINAGE MODIFICATIONS	= \$ 27,000
UTILITY POLE RELOCATION	= \$ 30,000
TRAFFIC SIGNAL	= \$ 150,000
+/- 25% CONTINGENCY & CONSTRUCTION ENGINEERING	= \$ 110,500
TOTAL	= \$ 553,000



Intersection of Great Road and Mudge Way



Figure 5 : Reconstruct Sidewalks and Install Traffic Signal with Pedestrian Countdown Indicators at Great Road and Mudge Way



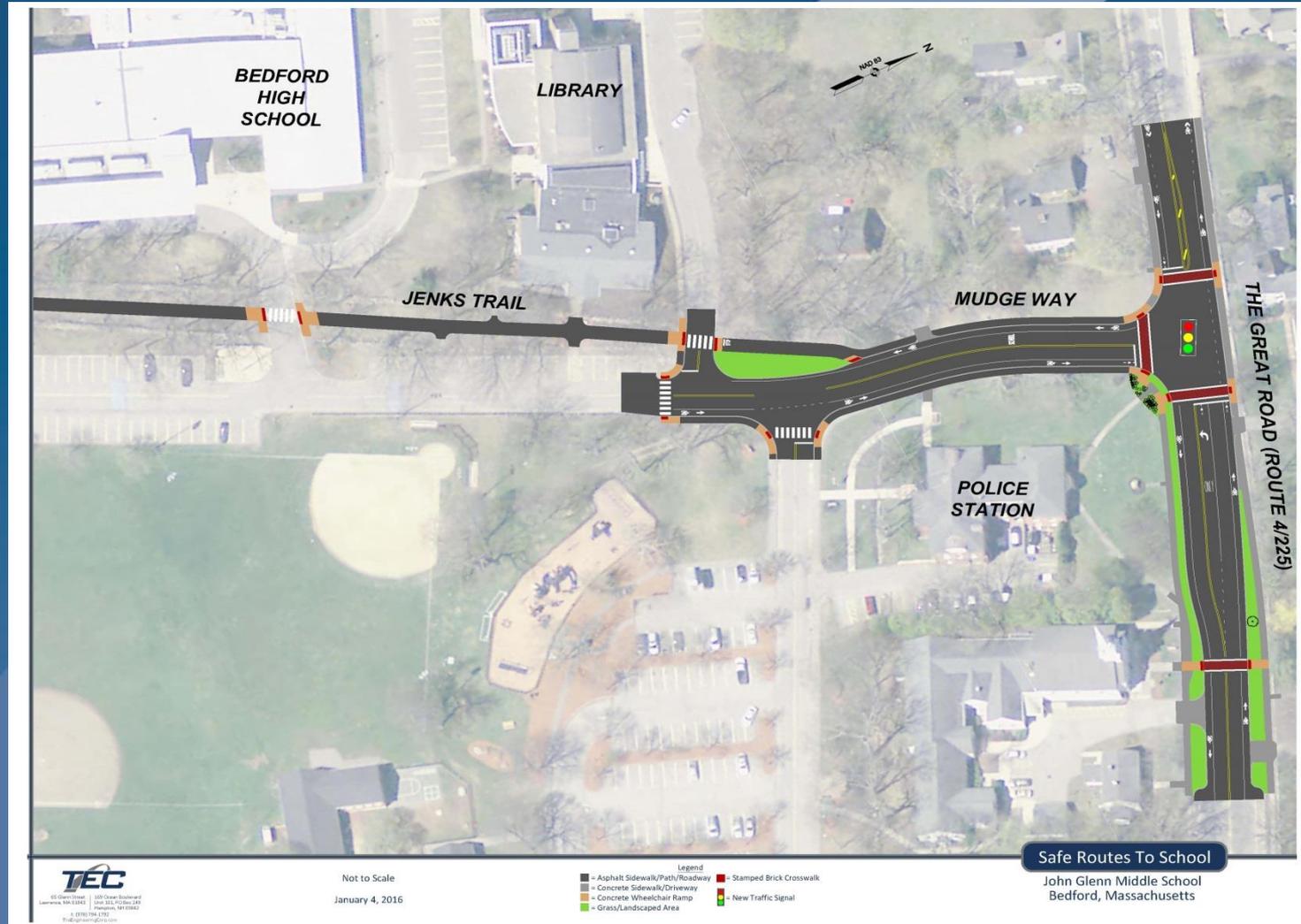
RECOMMENDED SCOPE OF WORK AND CONCEPTUAL COST ESTIMATE:

5' WIDE ASPHALT SIDEWALK & GRANITE CURB (INCLUDING RAMPS)	= \$ 101,000
SIGNS & STRIPING	= \$ 8,500
LANDSCAPING	= \$ 4,500
DRAINAGE IMPROVEMENTS	= \$ 12,000
TREE REMOVAL	= \$ 3,000
BOLLARDS	= \$ 11,500
+/- 25% CONTINGENCY & CONSTRUCTION ENGINEERING	= \$ 35,000
TOTAL	= \$ 175,500

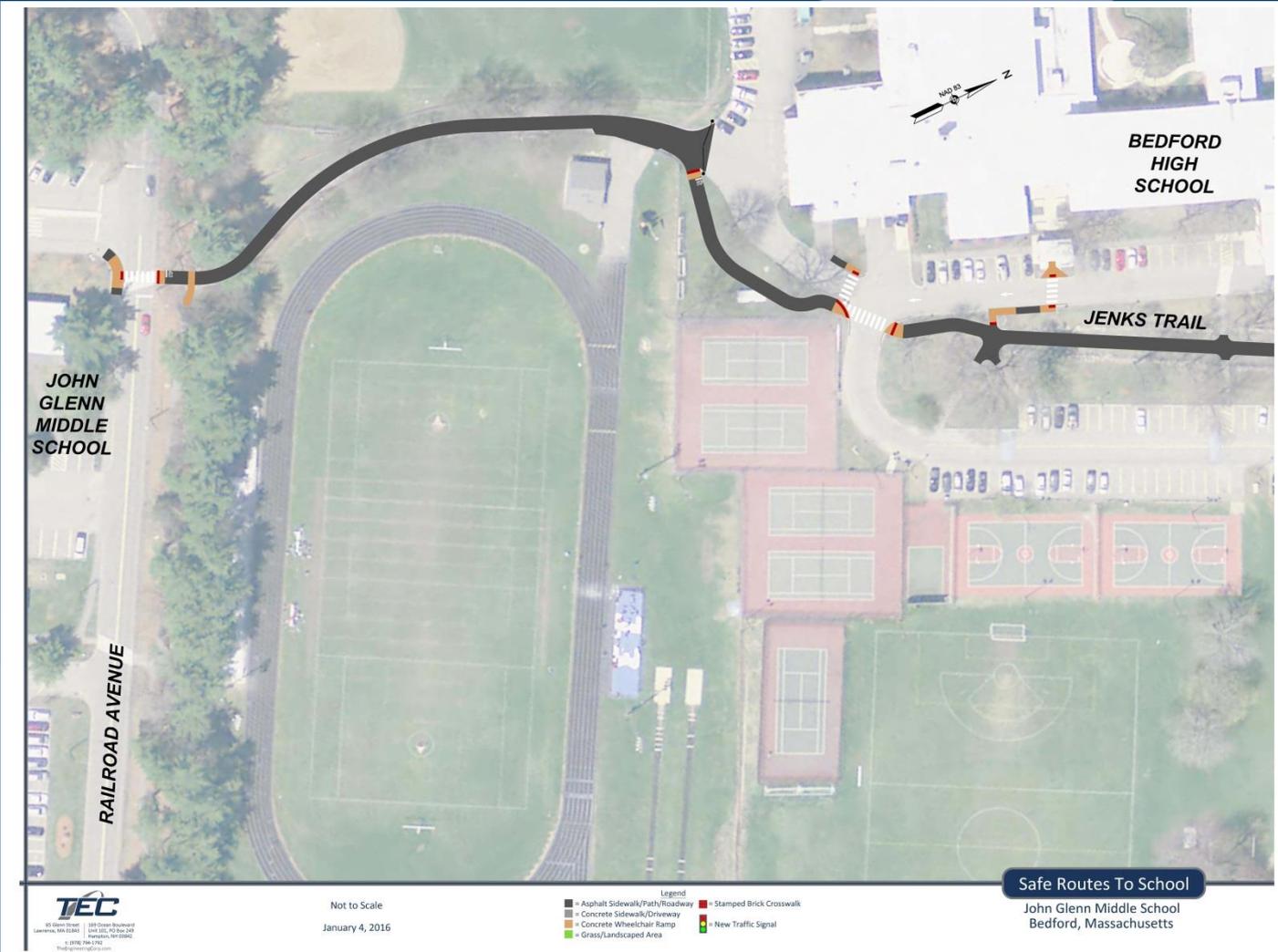


Figure 6 : Construct Sidewalk Connection Between High School and Middle School

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Project Timeline

- 25/75% Design Submittal: Complete
- Design Public Hearing: February 2016
- 100% Design Submittal: March 2016
- Town Meeting: March 2016
- PS&E Design Submittal: June 2016
- Town to Acquire Easements: August 2016
- Advertise for Construction: September 2016
- Begin Construction: Spring / Summer 2017

Current Construction Cost = \$1.0M