



**Massachusetts Bay  
Transportation Authority**

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# **Fairmount Line Corridor Improvements**

**January 7, 2019**



## OVERVIEW

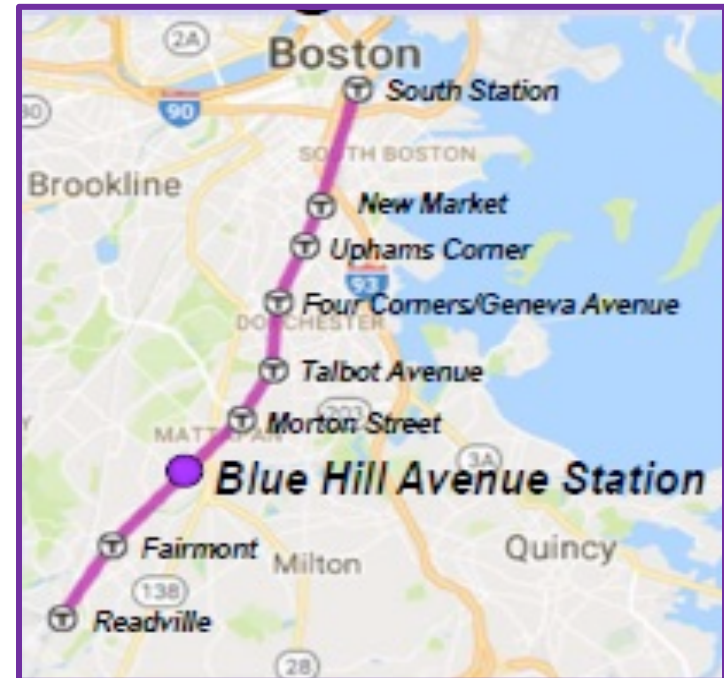
The purpose of this presentation is to update the Fiscal and Management Control Board regarding the current status of ongoing Capital Improvements on the Fairmount Line Corridor, including:

- Completion of the new Blue Hill Avenue Station and start of service in February, 2019
- Commencement of Positive Train Control (PTC) Extended Revenue Service Demonstration (RSD) on December 29, 2018
- Maintenance of Right-of-Way (R.O.W.) and infrastructure and improvements



## Fairmount Line Corridor

- The Fairmount Line Corridor is approximately 9.2 miles long and runs wholly within the City of Boston
- The line runs from Readville Station in Hyde Park to South Station in the north/south direction and includes seven (7) existing stations
- The entire line is double track
- Approximately 65 trains/day run on the line: 40 commuter trains serve the stations along line; 25 trains go to the storage yard
- CSX also operates on the line





## Blue Hill Avenue Station

### **Project Status**

Construction NTP:	Feb. 2017
Planned Opening:	Feb. 2019
Construction Contract Value:	\$16.97 M
Constr. Expenditures to Date:	\$12.9 M
Construction Percent Complete:	98%
Estimated Project Budged:	\$22.0 M

### **Project Scope**

- Design and construct a 768 foot long high level center island commuter rail platform between Cummins Highway and Blue Hill Avenue.
- Included in the design are elevated walkway structures, steel canopies, signage, bench/windscreens, lighting, security and communication systems, track realignment and resurfacing



### **Project Benefits**

- Provide commuter rail service to the Mattapan neighborhood
- Potential destination to Mattapan Square businesses





## Positive Train Control Implementation

- Successful line testing and end to end runs: Completed December 2018
- Successful Interoperability testing with Amtrak: Completed December 2018
- Extended RSD Authorized by FRA: Started December 29, 2018





## Uphams Corner Station Stair Replacement

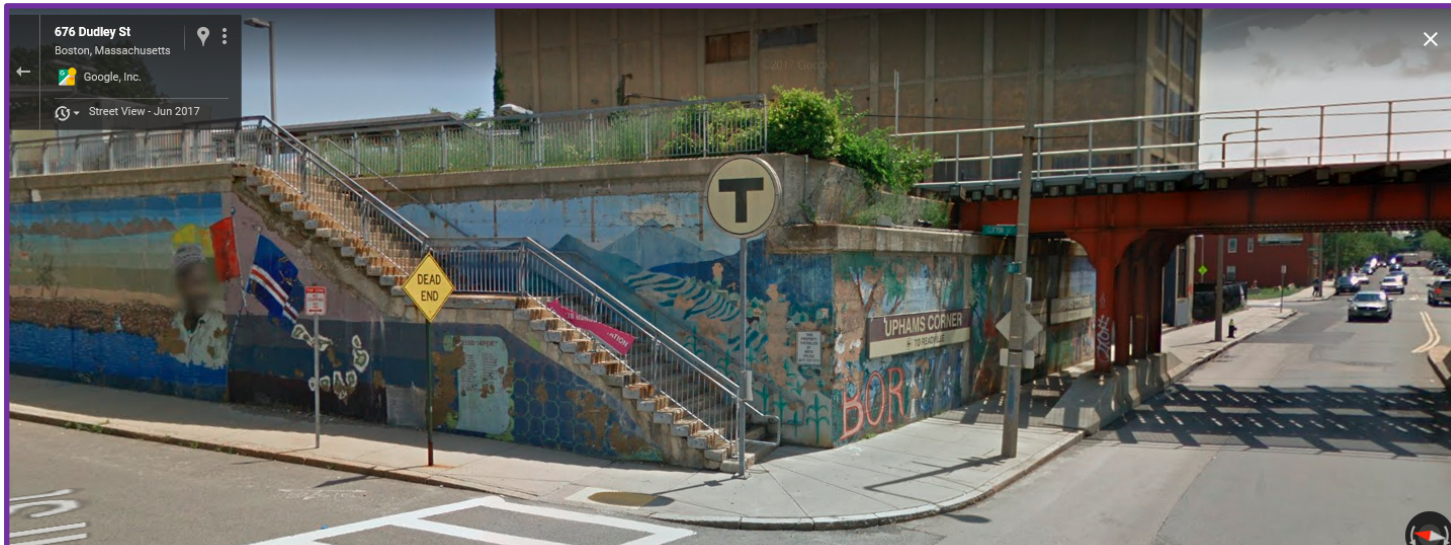
### **Project Status**

Construction Start: Spring 2019  
Construction Duration: 12 weeks



### **Project Scope**

- Reinforced concrete for stairs, wall and foundation
- New railings
- Concrete sidewalk, granite curb
- Asphalt, traffic markings and TMP implementation

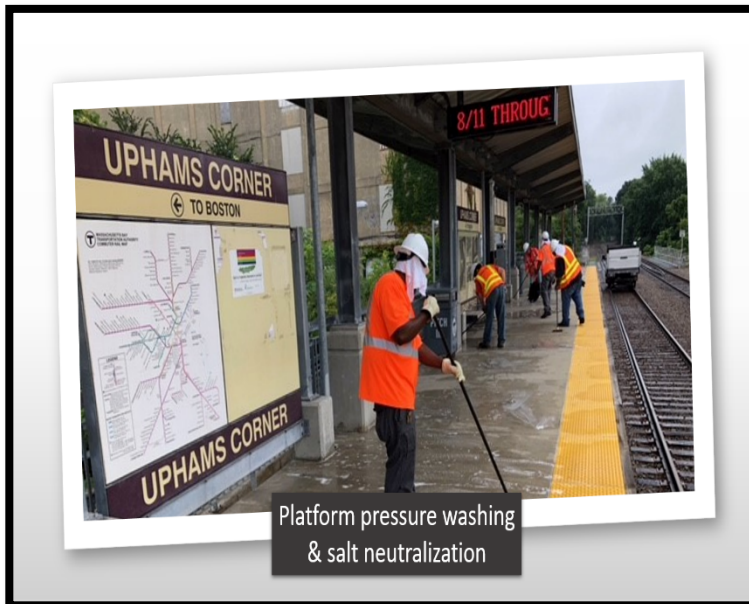




## Railroad Operations

### Maintenance of R.O.W

- Platform repairs, sealing, painting, pressure washing, signage replacement, graffiti removal and culvert cleaning.
- Brush cutting and right-of-way trash cleanup





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# APPENDIX



## Fairmount Line Overview of Projects

### **Projects**

<u>Contract:</u>	<u>Project Title:</u>	<u>Completed:</u>
	Needs Assessment	June 2004
H74CN01	Bridge Repair and Painting	Feb. 2006
H74CN02	Uphams Corner Station	Dec. 2006
H74CN03	Morton Street Station and Park Interlocking	July 2007
S49CN01	Mattapan Station Renovation Project	April 2009
H74CN04	Columbia Rd, Quincy St and Mass. Ave Bridge Replacement Project	July 2010
H74CN08	Neponset River Bridge – Bridge No. B-16-472	August 2012
H74CN07	Talbot Ave Station, Talbot Ave and Woodrow Ave Bridge Replacements	December 2012
H74CN05	Four Corners Station	October 2013
H74CN06	Newmarket Station	April 2014
H74CN09	Blue Hill Avenue Station	In Constr.





## H74CN01 – Bridge Repairs and Painting Norfolk Ave, East Cottage St, Dudley St and Geneva Ave

### **Project Milestones**

Construction Completed: Feb. 2006

Construction Contract Value: \$1.5 M



Original Dudley Street Bridge



Repaired Dudley Street Bridge





## H74CN02 – Uphams Corner Station

### **Project Milestones**

Construction Completed: Dec. 2006

Construction Contract Value: \$6.6 M



Original Station



Reconstructed Station



## H74CN03 – Morton Street Station

### **Project Milestones**

Construction Completed: July 2007

Construction Contract Value: \$7.5 M



Original Station



Reconstructed Station





## S49CN01 – Mattapan Station Renovation Project

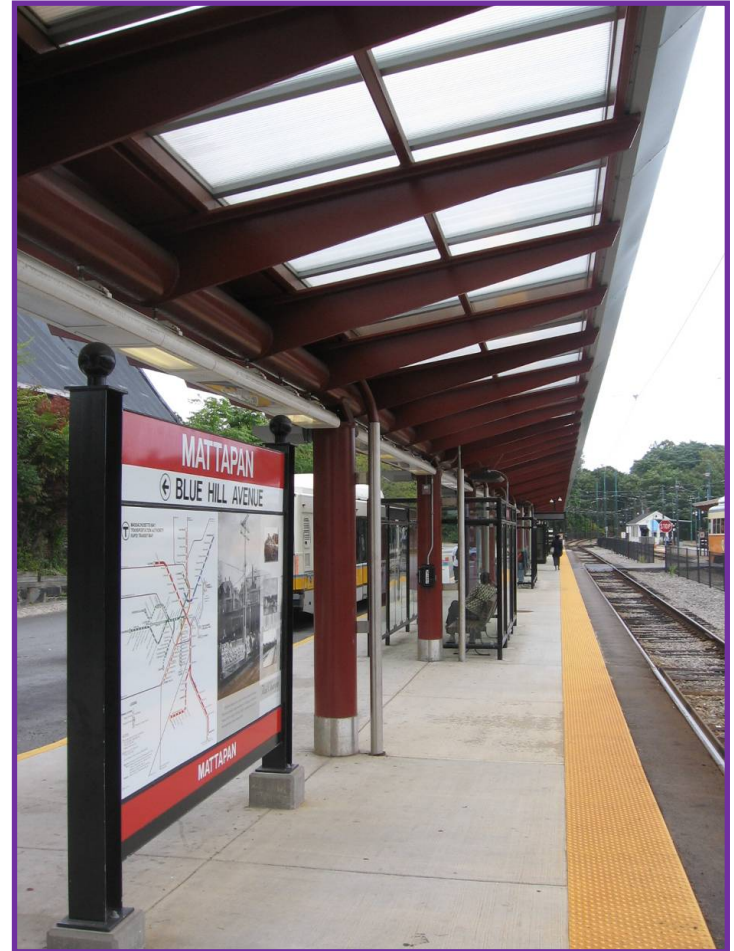
### **Project Milestones**

Construction Completed: April 2009

Construction Contract Value: \$6.2M



New Station Building



Reconstructed Platform and Canopy



## H74CN04 – Columbia Road, Quincy Street and Massachusetts Avenue Bridge Replacement Project

### **Project Milestones**

Construction Completed: July 2010

Construction Contract Value: \$22.9 M



Original Columbia Road Bridge



Reconstructed Bridge





## H74CN04 – Columbia Road, Quincy Street and Massachusetts Avenue Bridge Replacement Project

### **Project Milestones**

Construction Completed: July 2010

Construction Contract Value: \$22.9 M



Original Massachusetts Avenue  
Bridge



Reconstructed Bridge



H74CN08 – Neponset River Bridge – Bridge No. B-16-472

**Project Milestones**

Construction Completed: August 2012

Construction Contract Value: \$5.8 M



Original Bridge



Reconstructed Bridge





## H74CN07 – Talbot Avenue Station, Talbot Ave and Woodrow Ave Bridges

### **Project Milestones**

Construction Completed: Dec. 2012

Construction Contract Value: \$15.9 M



Inbound Drop-off and Parking Area



Inbound Platform and Canopy





## H74CN07 – Talbot Avenue Station, Talbot Ave and Woodrow Ave Bridges



Original Talbot Avenue Bridge



Precast Bridge Seat on Drilled Shafts



Single Weekend Demo and Installation

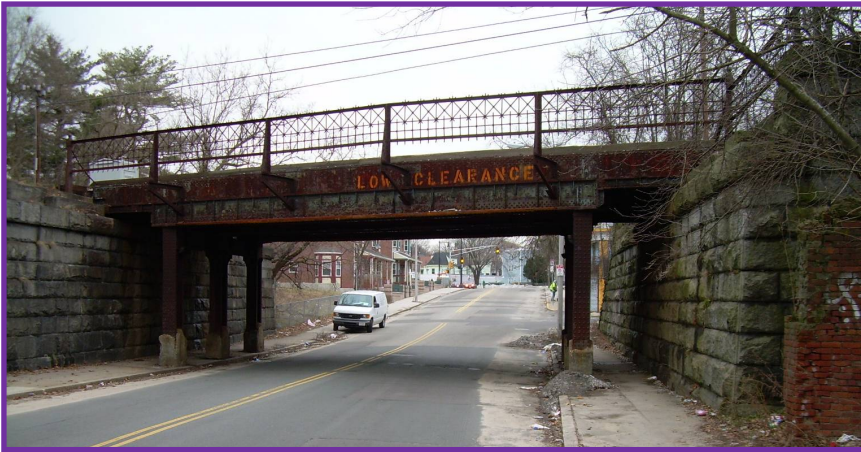


Bridge Lowered to Precast Bridge Seats





H74CN07 – Talbot Avenue Station, Talbot Ave and Woodrow Ave Bridges



Original Woodrow Avenue Bridge



Saturday Morning – Precast Bridge Seats



Saturday Night – Bridge moved into place



Sunday – Bridge in Place





## H74CN05 – Four Corners Station

### **Project Milestones**

Construction Completed: October 2013

Construction Contract Value: \$17.7 M



Inbound Platform Looking South



Outbound Platform towards  
Washington Street



## H74CN06 – Newmarket Station

### **Project Milestones**

Construction Completed: April 2014

Construction Contract Value: \$7.6 M



Inbound Platform Looking North



Inbound Walkway and Canopy