



Want More Information?

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www.mass.gov/greenlineextension



GREEN LINE EXTENSION PROJECT

Fall 2012 Fact Sheet

Introduction

The Massachusetts Department of Transportation (MassDOT) is partnering with the Massachusetts Bay Transportation Authority (MBTA) to extend the Green Line to improve transit service, mobility, and regional access for residents and visitors in Cambridge, Somerville and Medford. Bringing MBTA light rail service to these densely populated cities will address longstanding transportation inequities, result in fewer automobiles on local roads, and help to combat greenhouse gas emissions and other components of air pollution. The Green Line Extension will also support municipal plans for local economic growth and provide residents of environmental justice communities with faster rides to jobs, schools, health care, and other destinations.

The Green Line Extension will extend the existing MBTA Green Line by utilizing two distinct branches within the existing ROW:

- 1) A "mainline" branch which will operate along the MBTA Lowell Line, beginning at a relocated Lechmere Station in Cambridge and traveling to Medford;
- 2) A branch line operating within the existing right-of-way for the MBTA Fitchburg Line to Union Square in Somerville.

Once completed, trains will operate every five to six minutes in the peak periods, providing fast and efficient service to downtown Boston. Ridership is expected to be 49,000 a year by year 2030.

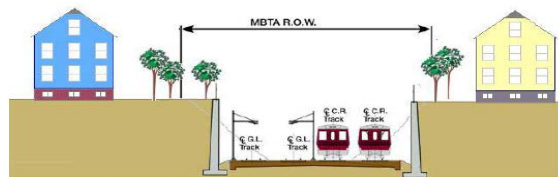
Project At-A-Glance

- **Track Design:** The project will require the relocation of existing Commuter Rail tracks to allow the construction of new light rail tracks in the newly available space.
 - Relocated Lowell and Fitchburg Commuter Rail Tracks
 - Green Line Medford Branch: 3.4 miles
 - Green Line Union Square Branch: 0.9 miles
- **Seven Stations:**
 - Lechmere (relocated transit and bus station)
 - Washington Street
 - Gilman Square
 - Lowell Street
 - Ball Square
 - College Avenue
 - Union Square
- Reconstruction of 8 Bridge Structures
- Vehicle Maintenance and Storage Facility
- Signal, Communication, and Power Systems
- Design of Community Path (between Lowell Street and Inner Belt Road)
- Multimodal Connections
- Retaining and Noise Walls
- 24 New Green Line Vehicles

Existing Section Looking North



Proposed Section Looking North



Project Update...

PROJECT PHASING/SCHEDULE

In summer of 2011, a program risk assessment was performed. In response to the identified risks, the GLX team developed a phased project approach. This phased approach was developed and accepted after a series of meetings with MassDOT/MBTA and community representatives. With this phased approach, work can proceed with the final “revenue service” date ranging from calendar years 2018 through calendar year 2020. A summary of the project phasing schedule is provided below.

Phase 1 – Early Bridge and Demolition Package

Construction (Award: December 2012/Finish: February 2015)

The Phase 1 construction contract has been awarded to Barletta Heavy Division. Key Phase 1 work items include:

- Reconstruct and widen the Harvard Street Rail Bridge in Medford and the Medford Street Rail Bridge in Somerville.
- Demolish 21 Water Street in Cambridge in preparation for the construction of the new Lechmere Station.
- Construct retaining walls and noise walls adjacent to Harvard Street Rail Bridge
- MBTA Commuter Rail track, signal and Systems Relocations
- Utility Relocations

Phase 2 & 2A – Service from New Lechmere Station to Washington Street Station and Union Square Station

Construction (Start: September 2014/Finish: December 2016/Start-Up Testing May 2017)

Key work tasks include:

- Construct 3 new Green Line Stations (Lechmere, Washington and Union Square)
- Build new bus station at Lechmere
- Washington Street Rail Bridge Reconstruction
- Demolition of existing Lechmere Viaduct & Station
- Roadway, Traffic and Pedestrian Improvements
- Utility Relocations
- Signals, Systems & Substation Construction

Phase 3 – Vehicle Maintenance Facility & Storage Yard

Construction (Start: January 2016/ Finish: December 2018)

Key work tasks include:

- Construct new Vehicle Maintenance Facility, Yard & Systems

- Provide Storage for 76 Vehicles
- Construct Transportation Building
- Construct Maintenance of Way Building
- Construct Employee Parking Deck

Phase 4 – Service to College Avenue Station

Construction (Start: February 2015/Finish: June 2019)

Key work tasks include:

- Construct 4 Green Line Stations (Lowell, Gilman, Ball & College)
- Widen & Reconstruct 5 Bridges
- Construct Northeast Retaining Walls & Noise Walls
- Utilities & Drainage
- Commuter Rail Relocation Including Systems
- Southwest Retaining Walls & Noise Walls
- Green Line Guideway, Track & Systems
- Roadway, Traffic & Pedestrian Improvements

KEY PROJECT MILESTONES COMPLETED:

- New Starts application completed and filed – January 2012
- FTA approval to Enter Preliminary Engineering – Received June 2012
- FONSI (NEPA Process Complete) – Received July 2012
- CM/GC Project Delivery Approval – MBTA Board of Directors - July 2012
- CM/GC Project Delivery Approval – State Legislature – June 2012
- Final Design Team Procurement Completed and NTP to AECOM/HNTB – September 2012
- Office of Inspector General Approval of CM/GC Procedures Manual – November 2012
- Phase 1 Early Bridge and Demolition Contract – Award to Barletta Heavy Division – December 2012

UPCOMING KEY PROJECT MILESTONES:

- CM/GC Project Advertisement – Winter 2012/13
- MassDOT Finance Plan Activities – Spring 2013
- Complete 60% Program Design and File New Starts Update/Application – September 2013

