

Green Line Transformation Week in Review and Lookahead



Friday, October 23, 2020

Week in Review | Safety and Technology Enhancements

The Green Line Train Protection System (GLTPS) is a train monitoring system that will improve **safety** and **reliability** by alerting the operator or automatically stopping the train when another vehicle is detected or when speed restrictions are necessary. The system works via signals along the tracks that transmit data to the train as it approaches. The GLTPS is currently in design with pilot testing to begin in 2021.



Construction Underway | Recap

Lechmere Viaduct Rehabilitation



1,700 ft of Structural Repairs Underway (12 Spans)



Trackwork 100% Demolition

Strengthen and preserve the 110-year-old viaduct for heavier loads and increased train frequency

- ✓ **Last Week** | Crews continued pulling and testing signal cable from North Station, and repairing the concrete superstructure with crack injection on spans 2 through 9. On the topside, crews continue railing, banding and sidewalk saw cutting on piers 11 through 13, and Span 12. Saw cutting the floor beams and superstructure continued below on spans 6, 7 & 10

Fenway Portal Flood Protection Project



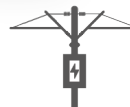
0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | **85%** | 90% | 100%



Floodgates Installed
Signal Connections
& Testing Remaining



Portal Doors
Fabrication Completed
(Site Preparatory Work 35%)



Overhead Catenary
Modified 65%



1 More Week of Early Access*
Monday - Thursday 9:00pm - 5:00am



+5 More Weekends**
Saturday 3:00am - Monday 5:00am

Addition of floodgates and large steel doors to the Fenway tunnel entrance to prevent future flooding

- ✓ **Last Weekend** | Crews removed the existing inbound catenary system. Installed, aligned and tested new inbound motorized catenary system

* Schedule subject to change with weather conditions and in accordance with public health directives

**Final weekend diversion will have early access starting on Friday at 9:00pm

D Branch Track & Signal Replacement



40% - Chestnut Hill

80% - Reservoir Area

95% - Beaconsfield

0% | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | 100%



17,375 Track Feet
of Track Replaced
(25,000 tf total)



26,500 Route Feet
of Signal System Replaced
(37,500 rf total)



7 Units
of Special Trackwork
Replaced (27 units total)



25 Weeks Early Access*
Weeknights 9:00pm - 5:00am



+24 Weekends*
Saturday 12:00am - Monday 5:00am

Upgrade 25,000 feet of track and 7 route miles of signal cable (Beaconsfield to Riverside)

- ✓ **Last Week** | Crews replaced 350 feet of track through Reservoir Station (westbound) and replaced rail to the west. During early access, trackwork continued between Reservoir and Riverside Stations, with additional sidewalk rehabilitation and edging on the Reservoir ladder track

*Schedule subject to change with weather conditions and in accordance with public health directives