



October 16, 2017
Executive Summary

BRIDGE REPLACEMENT PROJECT – ANDOVER, MA NORTH MAIN ST. (ROUTE 28) OVER MBTA AND PANAM RAILROAD

MAS Building and Bridge, Inc. has been contracted by the Massachusetts Department of Transportation (MassDOT) to remove and replace the North Main Street (Rte. 28) Bridge over the MBTA / PanAm Railroad. The project value is approximately \$7,000,000 dollars and will involve the complete removal of the bridge decking superstructure and partial removal of both North and South abutment substructures. The bridge is one of the final few remaining on the MassDOT Accelerated Bridge Program.

The Project is divided into two phases to limit impact to town residents and commuters. Each phase will allow for a portion of the bridge to be removed and replaced, allowing pedestrians and vehicular traffic (one travel lane in each direction) to utilize the undisturbed portion of the bridge

The utility work involving the electrical, fiber optic, sewer, water, and gas relocations has been completed. The first major stage of construction began in early September with the installation of the Phase 1 barrier, and traffic pattern. The Contractor has recently completed micropile installation and excavation work at the south abutment. This Contractor will continue during the day shift and is currently estimated to complete the second week of October. In addition to the day shift activities there will be 2 “weekend diversions” when the railroad traffic will be diverted for the strong back installation followed by the demolition of the first phase of the existing bridge. The hours of these weekend operations are as follows:

OCTOBER 21ST / 22ND WEEKEND DIVERSION

Working Hours

- Saturday 10/21 – 6:00am to 6:00pm
- Sunday 10/22 – 6:00am to 6:00pm

Summary of Work

- Selective Demolition of existing concrete deck at both abutments
- Installation of formwork and reinforcing steel for the Strongback temporary support structures
- Coring operations for through bolts to support existing girders
- Installation of temporary column supports

Following the October Diversion, the contractor will begin preparing for bridge demolition during the November 4th & 5th Weekend Diversion. Day time and night time operations will include the following:

- Place concrete for support structures (roadside) – 10/23
- Erect Strongback Beams (roadside) – 10/27



Night work will be required during this period to avoid disrupting train operations. This work is currently scheduled for the following dates & times: 10/30, 10/31, and 11/1. Working times would be 9:00 PM to 5:00 AM.

NOVEMBER 4TH AND 5TH WEEKEND DIVERSION

Working Hours

- Friday 11/3 – 10:00 PM through Monday 11/6 – 4:30 AM.

Summary of Work

- Bridge Demolition - Phase 1

We will be implementing a detour during the November weekend diversion overnights from 11:00 PM to 5:00 AM. The bridge will be closed and traffic will be rerouted off of North Main Street as follows:

Stevens Street – Shawsheen Road – Essex Street – Pearson Street & returning to North Main Street

Variable Message Signs will be installed in advance of the detour; the detour will be properly signed & police details will be present to assist traffic control during this weekend diversion.

Phase 1 bridge construction will then continue through the fall of 2017 and will continue through the spring of 2018.

The second phase of work will begin in late spring 2018 by transferring traffic to the new southbound lane allowing the northbound lane to be removed and replaced. The second phase of work will last through the Late fall of 2018.

Once both phases are completed, the project will continue with final landscaping, guardrails, paving and striping through the Spring of 2019. The final phase utility work restoring electrical and fiber optic utilities to their original configuration will continue into summer 2019.

The Project Goals are to limit impact to abutters, motorists and pedestrians, complete the work on schedule and on Budget. Night and weekend work can be expected through various portions of the demolition and reconstruction in order to coordinate with the Railroad entities while working over the tracks.

If there are any questions, please contact the Massachusetts Department of Transportation Field Office: 978-475-4385.

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