



**Massachusetts Bay  
Transportation Authority**

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**MBTA Contract No. B92PS07 Amendment No. 19  
Gloucester Drawbridge Replacement**

**Additional Construction Phase Services**

**October 29, 2018**



## OVERVIEW

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- Today's board action will provide for additional consultant Construction Phase Services for the Gloucester Drawbridge Replacement Project over the Annisquam River in Gloucester, MA.

Existing Bridge





## Construction Project Overview

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The project is a full replacement of the existing bridge, including all mechanical and electrical components, with two adjacent independent single leaf bascule movable bridges, each carrying a single track.





## Project Benefits and Operations During Construction

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- Two, independent single leaf bascule movable structures will replace the existing structurally deficient single leaf bascule movable structure.
- Useful life of the replacement structures is 75 years and brings the asset to a state of good repair.
- Independent bridges facilitates maintenance.
- Relocating the control house to the east side of the bridges cuts down on time required for maintenance
- Revenue service will be maintained during construction through a single track operation.
- A total of ten (10) weekend shutdowns of Commuter Rail service are planned over the duration of construction.



## **Amendment No. 19 Scope of Services**

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This amendment for Construction Phase Services includes the following additional tasks:

- Attendance at bi-weekly project job meetings and special meetings
- Environmental design support during construction
- Inspection services during installation of new foundation elements
- Review of the Contractor submitted As-built Drawings
- Preparation of final documentation for project closeout
- Historic documentation of the existing bridge prior to demolition
- Initial coordination support with the Positive Train Control project
- Coordination support, as needed, with Owner's Representative



## Construction Progress to Date

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- Project is currently in Stage 0 (Strengthening and Stabilizing Bridge to maintain train service in anticipation of Construction Stages 1 to 3)
- Contract work is progressing (shop drawing submittals and reviews, structural steel fabrication, etc)
- Stage 1 Construction has been delayed due to unforeseen site conditions
  - Environmental – Asbestos tile/debris found on site within limits of contract work.
  - Large Obstructions – In area of proposed stabilization system (lateral bracing system piles)
- Stage 1 Construction Includes:
  - Installation of Contractor's Temporary Work Facilities
  - Installation of Lateral and Longitudinal Bracing
  - Demolition of the Existing South Trestle
- Schedule impacts are currently being assessed



## Request of the Fiscal and Management Control Board

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Staff request that the Fiscal and Management Control Board authorize the MBTA General Manager and CEO, or his designee, to execute **Amendment No. 19 to MBTA Contract No. B92PS07: Design Engineering Services for Twelve Bridge Systemwide Contract**, for additional construction phase services for the Gloucester Drawbridge Replacement Project, with **Stantec Consulting Services, Inc.** for an amount not to exceed **\$1,597,515.**