

STAFF SUMMARY

☐ Secretary Approval

☒ MassDOT Board

Prepared by: Bryan Cordeiro

Department:

Highway Division

Manager:

Michael O'Dowd

email:

Michael.ODowd@dot.state.ma.us

Telephone:

(857) 368-9292

Contract No./Subject: 115770 / Design and Review Services for Highway and Bridge Projects, Statewide - Assignment 17 – Cape Cod Bridges Program

Date Prepared:

September 25, 2024

Implications

☒ Capital Budget

☐ Operating Budget

☐ Legal

☐ Other

PURPOSE:

The purpose of this Staff Summary is to request that the Board of Directors authorize and approve the Secretary/CEO, or her designee, to execute an amendment to Contract No. 115770 – Design and Review Services for Highway and Bridge Projects, Statewide – Assignment 17 – Cape Cod Bridges Program, with HNTB Corporation, for the amount of \$87,742,525.48 for a total duration of 1,600 days from Notice to Proceed (NTP).

TOTAL PROGRAM BUDGET:

The project has a total budget of \$87,742,525.48, which includes the following:

Salary Costs	\$17,277,505.89
Indirect Costs (135.38%)	\$23,390,287.47
Net Fee (10%)	\$4,066,779.34
Total Limiting Fee	\$44,734,572.70
 Direct Costs	 \$43,007,952.78
<hr/>	
Total	\$87,742,525.48

DISCUSSION:

The approval of this amendment to Contract No. 115770-Design and Review Services for Highway and Bridge Projects, Statewide – Assignment 17 – Cape Cod Bridges Program will allow the ongoing preliminary design program management and project development activities to continue to advance.

The Sagamore and Bourne bridges are owned and maintained by the federal government (the Army Corps of Engineers (USACE)). These bridges are approximately 90 years old and are nearing the end of their serviceable life. The bridges require increasingly frequent and disruptive maintenance activities. It is in the public interest to advance the design and permitting for the replacement of these bridges in an expeditious manner.

The scope of work for this amendment includes program management activities, preliminary design, MEPA/NEPA compliance, environmental permitting, public involvement, and Design-Build procurements for the replacement of the under the Cape Cod Bridges Program (CCBP). The CCBP includes the replacement of both the Sagamore and Bourne Bridges in the Town of Bourne, Massachusetts. The program will also include improving the roadway connections between the existing roadway network and the new alignments for the mainline roadways. The work under this assignment will dovetail with the work that is currently being performed under HNTB's Master Service Agreement (MassDOT Contract No. 115770, Assignment 17, through Amendment 8). Work will include NEPA and MEPA documentation including activities necessary to conclude the Environmental Impact Statement and Environmental Impact Report, environmental permitting, highway design submissions including a Preliminary Geometrics Submittal, 25% Highway Design submissions, Right of Way submissions necessary to secure early acquisition and final takings, geotechnical exploration, data reports and preliminary design, structural design submissions including Type Selection Worksheets, and Sketch Plans, procurement document preparation including Base Technical Concept Plan submissions and associated procurement documents and assistance through the procurement phase.

Contract No./Subject:
115770 – Design and Review Services for Highway and Bridge Projects, Statewide -
Assignment 17 – Cape Cod Bridges Program

Prepared by: Bryan Cordeiro

Date: September 25, 2024

PROCUREMENT:

On July 29, 2019, the Highway Division sent Requests For Proposals for the Cape Cod Bridges Program to three (3) shortlisted firms. Written Proposals were received on September 2, 2019. Proposals were evaluated and two (2) rounds of in person oral interviews were conducted. On November 1, 2019, HNTB Corporation was selected to provide program management and project development services. The results of the evaluations are noted below:

OVERALL RANK	FIRM	AVE. RANK	AVE SCORE
1	HNTB TEAM	1.2	8.8
2	VHB TEAM	1.8	7.9
3	JACOBS TEAM	3.0	6.0

The scope of work and fee proposal was reviewed by engineers in the Major Projects, Traffic, Environmental, Highway Design, Bridge and Right of Way Sections. The final proposal reflects comments and discussions that occurred as a result of this review. The Highway Division has accepted the final proposal submitted by HNTB Corporation in the amount of \$87,742,525.48.

The Minority Business Enterprises/Women Business Enterprises (M/WBE) goal for Contract 115770 – Design and Review Services for Highway and Bridge Projects, Statewide, is 14%. The project team for this amendment includes eight (8) M/WBE certified firms. These firms are responsible for performing 14.9% of the work under this amendment.

FINANCIAL IMPACT/ BUDGET SOURCE:

In April 2020, the United States Army Corps of Engineers (USACE), owner of the two bridges, and the Assistant Secretary of the Army for Civil Works announced their recommendation to replace the current Sagamore and Bourne bridges as the most feasible alternative. In 2023, Massachusetts was awarded \$372 million in National Infrastructure Project Assistance (MEGA) funds for work to replace the Sagamore Bridge and improve local roadway connections. In March 2024, the USACE and MassDOT signed an updated Memorandum of Understanding regarding their roles and commitments to advance this project. Upon completion of the replacement project, ownership of the two bridges will transfer from the USACE to MassDOT. In July 2024, Massachusetts was awarded \$993 million in Bridge Investment Program (BIP, Large Bridge) funds for design and construction work to replace the Sagamore Bridge and improve local roadway connections.

This contract amendment for program management and project development services is funded through State Bond Funds. The proposed expenditures on this amendment are planned to count towards the non-federal match requirement associated with the MEGA and BIP grant programs.

The 2025 to 2029 CIP includes \$208.45 Million in 2026 to 2029 and \$1,432.98 Million after 2029.

The 2025 to 2029 CIP includes \$772.1 Million.

FUTURE ANTICIPATED AUTHORIZATIONS:

On May 6, 2024, MassDOT submitted grant applications for the Bourne Bridge replacement (MEGA - \$634 Million and INFRA - \$634 Million). On August 1, 2024, MassDOT submitted an additional grant application for the Bourne Bridge replacement (BIP - \$634 Million). MassDOT is currently awaiting announcements from USDOT regarding these applications.

RECOMMENDATIONS:

It is recommended that the Board of Directors authorize the Secretary, or her designee, to approve this amendment to Contract No. 115770 - Master Service Agreement – Assignment 17 – Cape Cod Bridges Program, with HNTB Corporation, in a form approved by the General Counsel, in the amount of \$87,742,525.48.

COORDINATION WITH:

Office of Diversity and Civil Rights
Engineering and Maintenance
Environmental
Capital Programs
Budget and Finance
Legal Department

SIGNATURE PAGE:

See Page 3

ATTACHMENTS:

Tab A - Vote [to be completed by Legal]

RESOURCE/REFERENCE DOCUMENTS:

STAFF SUMMARY SIGNATURE PAGE

☐ Secretary Approval

☒ MassDOT Board Approval

Prepared by: Bryan Cordeiro

Department:

Highway Division

Program Manager: Michael

O'Dowd

email:

Michael.ODowd@dot.state.ma.,u

Telephone:

857-368-9292

Contract No./Subject: 115770 – Design and Review Services for Highway and Bridge Projects,
Statewide - Assignment 17 – Cape Cod Bridges Program

Date Prepared:
September 25, 2024

Implications

☒ Capital Budget

☐ Operating Budget

☐ Legal

☐ Other

RECOMMEND APPROVAL:

Michael O'Dowd
Director of Major Projects

RECOMMEND APPROVAL:

John Bechard P.E.
Deputy Chief Engineer

RECOMMEND APPROVAL:

David Pottier
Chief Financial Officer

RECOMMEND APPROVAL:

Douglas McGarrah
General Counsel

RECOMMEND APPROVAL:

Monica Tibbits-Nutt
Secretary/CEO