



TOWN OF MAYNARD Department of Public Works

MUNICIPAL BUILDING
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*Justin DeMarco
Director of Public Works*

Administration

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Facilities

Highway

Water & Sewer

Memorandum

To: Select Board
From: Justin DeMarco, DPW Director
Wayne P. Amico, PE, Town Engineer
cc: Greg Johnson, Town Administrator
Date: May 1, 2024
Subject: IW Harding Contract for construction of Traffic Signal & Intersection improvements at Route 27 and Concord Street

Recommended Actions:

Motion to approve the terms of the contract (#1446) between the Town of Maynard and IW Harding Construction Co. Inc., for the construction of a new Traffic Signal and related improvements at the intersection of Route 27 at Concord Street in the Town of Maynard in the amount of **\$765,762.42**.

Purpose:

As part of the Department of Public Works capital improvement plans, we review and evaluate capital infrastructure improvements to provide the community with efficient, effective, reliable, and safe methods of transportation. The intersection of Route 27 at Concord Street has been the community's highest priority traffic safety concern and has been pursued for multiple years as an opportunity for increased safety enhancements. Construction of a new Traffic Signal and related improvements at this location will allow the Town of Maynard to post a complete bid for the construction of this vital safety and traffic improvement.

Background:

On June 24, 2022, the Town of Maynard was awarded an ARPA Spending Bill Earmark Award of \$500,000 for the Design, Construction Administration and Construction of safety improvements at the intersection of Route 27 and Concord Street.

The preliminary estimated project construction cost at the time of submittal to MassDOT in late 2021 - early 2022 was \$510,000.

On April 25, 2023, the Maynard Select Board approved the contract Agreement #1385 with Vanasse Hangen Brustlin, Inc (VHB) for final design development of Route 27 at Concord Street Traffic Signal for the Town of Maynard, in the amount of \$102,100.

Since the approval of the contract with VHB for the Final Design / Engineering of Route 27 at Concord Street Traffic Signal, the design has been completed and the limits of work expanded south of the intersection to include Pedestrian Curb Upgrades at Route 27 and Prospect Street as well as a Rapid Reflective Flashing Beacon (RRFB) across Route 27 in the vicinity of Prospect Street and Nason Street.

The Final Project Plans, specifications and Engineers Estimate has been completed as well as Photo Simulations of the intersection that represent the final constructed conditions of the Intersection of Route 27 and Concord Street, once the project is completed.

In March 2024, The Capital Planning Committee voted to appropriate \$450,636.00 towards this Intersection upgrade project. The appropriation now will go before Town Meeting for approval, and once approved, will be available to help supplement the construction of this project.

On February 18, 2024, MassDOT approved a Chapter 90 Request from DPW for \$450,360.00 to supplement the construction cost of the project. This Chapter 90 request was put in place so that the Town can sign the contract with IWH in advance of Town Meeting if needed, and also as a contingency in case the Capital Planning Committee's recommendation and Article to dedicate \$450,636.00 towards this project does not pass at Town Meeting.

The Project was advertised for construction and the most qualified Low Bidder is IW Harding, for an amount of \$765,762.42.

Project Improvement Details:

This project includes the construction of a new traffic control signal system and associated vehicle and pedestrian safety improvements at the intersection of Concord Street at Haynes and Brown Street (Route 27) in Maynard, Massachusetts.

These improvements will provide a safer mix of vehicular traffic at this location and its intersection with the Assabet River Rail Trail to better accommodate pedestrian and vehicular connections from the abutting neighborhoods and the Assabet River trail system.

This project brings this intersection into compliance with current AAB/ADA standards. The location of these upgrades is part of the Town's effort to ensure pedestrian and vehicular accommodation, accessibility, and safety at this highly used intersection that connects major roadways to Maynard's downtown area.

Contract Impact:

Original Awarded contract value: \$765,762.42

- 1 Base Bid - Installation of Traffic Signal, repaving of Intersection & New sidewalks = \$697,551.20
- 2 Add Alternate #1 – Installation of Solar Powered LED lite Stop Signs at Acton Street = \$3,980.00

- 3 Add Alternate #2 – Installation of RRFB (Rapid Reflective Flashing Beacon) on Haynes Street at Prescott Street = \$43,078.60
- 4 Add Alternate #3 – Accessible Curb Ramps and curb return work at Prescott Street to allow for Accessible Curb Ramps = \$21,152.62

Financial Impact:

1. ARPA Earmark Award Intersection Improvements – Balance \$401,147.50
2. Annual town meeting article 2003 Road/Sidewalk Repairs – Balance \$58,760.00
3. Traffic improvement fund – Balance \$121,248.07
 - 3.1. Option 1 - Chapter 90 FY 24 Expenses approved for this project by MassDOT - \$450,360.00
 - 3.2. Option 2 – PREFERRED OPTION - Anticipated Town Meeting Free Cash amount of \$450,636.00 in lieu of Option 1 Chapter 90 Funding listed above. This approach allows the Town to utilize Chapter 90 Funding for preapproved roadway paving projects.

Project Total Funds Available with Option 2 = \$1,031,791.57

Project total contracts:

VHB: \$177,100.00

IW Harding: \$765,762.42

Total contract amount: \$942,862.42