
To: Cost Review Subcommittee
From: Rob Aloise, CRCOG Principal Transportation Engineer
Sotoria Montanari, CRCOG Program Manager
Date: November 4, 2016
c: Transportation Committee
Peter Hughes, Marlborough Town Planner
Jennifer Carrier, Director of Transportation Planning
Rick Zulick, Director of Public Works, Stafford
Subject: LOTCIP - Funding Increase Request for South Main Street, Marlborough
LOTCIP - Funding Allocation Request for Furnace Avenue Reconstruction, Stafford

A Cost Review Subcommittee meeting will take place at 11:30 AM at **MIRA, 211 Murphy Road, Hartford, CT** prior to the Transportation Committee meeting on Monday, November 14, 2016. At the meeting, we will be discussing and acting on the following:

- LOTCIP funding increase request for the South Main Street Pavement Rehabilitation project in Marlborough
- Staff recommendation to allocate LOTCIP funding for Furnace Avenue Reconstruction Project in Stafford

Project No. L078-0001
South Main Street Pavement Rehabilitation, Marlborough

This project has progressed through the preliminary design phase. Based on the most recent engineering estimate, the Town of Marlborough is requesting a LOTCIP funding increase of \$174,000, from \$916,800 to \$1,090,800 (19% increase). The need for the cost increase is three-fold, addressing additional needs that have been identified regarding the pavement design, drainage, and maintenance and protection of traffic.

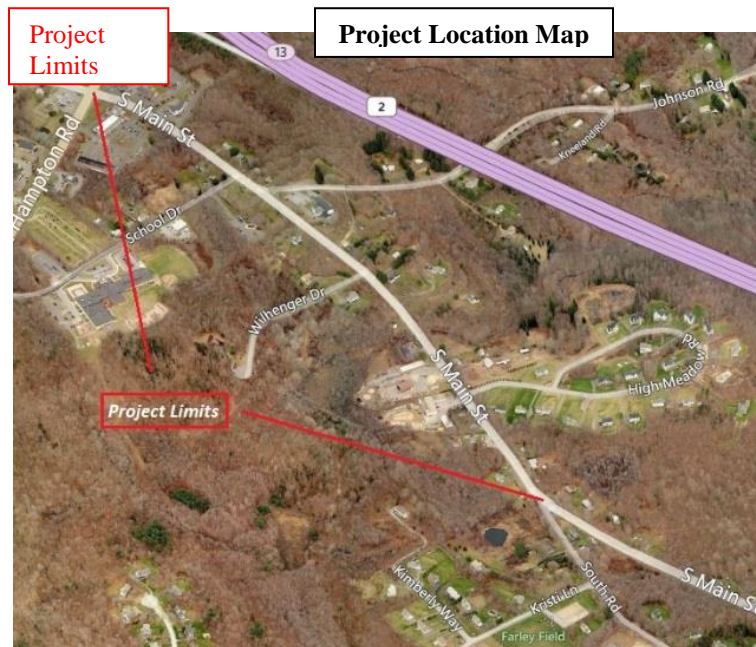
First, the pavement design initially provided with the LOTCIP application (Pavement Condition Index and Recommendations) called for 3.5" of milling, 2" of intermediate course and 1.5" surface course. CTDOT, upon issuance of the *Commitment to Fund* letter, recommended that the thickness of the existing asphalt covering the original roadways concrete pavement be verified during the design phase of the project. Based on CTDOT's recommendation, the Town provided an updated pavement investigation to be reviewed with the preliminary design plans. As a result an additional (1") of HMA was proposed, increasing the cost of the pavement by approximately \$40,000.

Secondly, subsequent to the *Commitment to Fund* letter, the updated pavement investigation indicated high ground water and severe alligator cracking, necessitating the installation of underdrains. Providing underdrains from 300' south of Route 66 to School Drive and from 400' south of Johnson Road to Wilhenger Drive results in an additional drainage expense of approximately \$60,000.

Thirdly, a review of the preliminary design revealed the need for additional maintenance and protection of traffic measures during construction.

Most notable was the identification of the need for temporary signalization to maintain and protect traffic during repair work on a bridge.

During construction, the bridge repairs will necessitate the closure of one of the two travel lanes for several weeks. The duration of the closure (extending beyond active construction workday timeframes) results in the need for temporary signalization to control the alternating one-way traffic, as opposed to a flagger. The additional expense for the temporary signal and other traffic safety measures is approximately \$51,000.



The total request for the increased funding equals \$174,000, which can be attributed to an estimated additional \$40,000 for a revised pavement design, \$60,000 for newly recommended underdrains, \$51,000 for additional maintenance and protection of traffic measures, and \$23,000 for additional miscellaneous minor items.

Staff recommends the approval of a funding increase from \$916,800 to \$1,090,800 for LOTCIP Project L078-0001, South Main Street Pavement Rehabilitation in Marlborough.

Furnace Avenue Reconstruction Project, Stafford

The Town of Stafford requests to utilize up to \$3,132,250 of LOTCIP funding for the Furnace Avenue Reconstruction Project in Stafford. Staff recommends the allocation of the funding from the following funds that CRCOG has approved for the town:

- \$250,000 from funding set-aside for a project to be determined. This set-aside was reserved for the town in exchange for CRCOG's use of its AARA funding (prior to Stafford joining CRCOG)
- \$2,882,250 from the Reconstruction of Gulf Road/Burbank Road project which was approved as part of the 2015 LOTCIP Solicitation. CTDOT has ruled that the project is ineligible due to its inconsistency with recent federal STP-Urban eligibility guidelines (which LOTCIP eligibility mirrors)

The Furnace Avenue Reconstruction Project is proposed to address safety (horizontal/vertical curvature), access, pavement, drainage, bike, and pedestrian deficiencies along the length of

Furnace Avenue from its intersection with State Route 190 in Stafford Springs Center north to Route 319 (approx. 2 miles). Reconstruction of this route has long been identified as priority for the Town, and the October 6th, 2016 FHWA approval of its reclassification to an Urban Collector recently qualified it for LOTCIP funding. Additionally, the roadway's regional significance, evident by the connectivity it provides between major roadways (Route 190 is a Minor Arterial and Route 319 is a Major Collector), downtown Stafford Spring, and various public institutions including the municipal complex on Levinthal Run and make it an ideal candidate for CRCOG support.

Staff recommends that the committee approve the reallocation of \$3,132,250 of LOTCIP funding to the Furnace Avenue Reconstruction Project from Stafford's LOTCIP approved \$250,000 set-aside and LOTCIP approved \$2,882,250 Reconstruction of Gulf Road/Burbank Road Project.