

To: Cost Review Sub-Committee
From: Sotoria Montanari, CRCOG Program Manager
Date: April 16, 2021
c: Transportation Committee
Rob Aloise, CRCOG Director of Planning
Cara Radzins, CRCOG Transportation Deputy
Derrick Gregor, P.E., Town Engineer, Wethersfield
Frank Dellaripa, P.E., City Engineer/Asst Dir. Public Works, Hartford
Subject: LOTCIP Funding Increase – Wethersfield Wolcott/Franklin Roadways Reconstruction

A Cost Review Sub-Committee meeting will take place at 11 AM on Monday, April 26, 2021. At the meeting, we will be discussing and acting on the following:

Wethersfield Wolcott/Franklin Roadways Reconstruction Project (L159-0002)

The Town of Wethersfield is requesting a LOTCIP funding increase of \$668,000 from \$2,696,800 to \$3,364,800 (24.7% increase) based on the most recent engineering estimate. The project was approved as a Reconstruction project under the 2018 Solicitation and is currently in the preliminary design phase.



Joint Failure with Hot Patch in Southbound Lane

The funding increase is to address feedback resulting from additional geotechnical analysis completed by VHB, the town's consultant, which identified unexpected soil conditions. Subsurface testing revealed the presence of clay, which precipitated a revised pavement design requiring additional excavation to a 32" total depth. This revised design includes removing the existing pavement and deteriorated concrete base, then installing a geotextile separation fabric, underdrains, thicker subbase, base, and hot asphalt mix at an additional cost of \$220,000.

Also, the town is addressing pedestrian safety concerns identified in the design process. Specifically, the town is replacing pedestrian signal equipment at Victoria Road in Hartford to meet ADA standards at a cost of \$22,500 and installing additional concrete sidewalk and ramps to improve pedestrian connectivity and address sidewalk grades at a cost of \$35,500.



View Looking Southbound Towards Jordan Lane Intersection

To reduce conflicts between pedestrians, cyclists, motorists and buses, the town is also reconstructing stamped concrete islands at the Jordan Lane (State Rte 314) intersection at a cost of \$58,500 and including additional bus pull-off areas at a cost of \$90,500.

Additional drainage for \$36,000 and topsoil and turf establishment for \$31,000 are also proposed cost increases. Because of the proposed design changes to the project, the construction time duration will increase, necessitating an increase cost for Traffic Control at \$157,000. The additional costs combined with increases to percentage based estimating items resulted in the total estimated cost increase of \$668,000.

To incorporate consultant and town recommendations to account for pavement design revisions, pedestrian and cyclist safety measures, additional traffic control, and other additions, staff recommends committee approval of an additional \$668,000 of LOTCIP funding for the Wethersfield Wolcott/Franklin Reconstruction (L159-0002) project, increasing the funding approval from \$2,696,800 to \$3,364,800.