

To: Transportation Committee
From: Sotoria Montanari, CRCOG Program Manager
Date: October 18, 2022
cc: Rob Aloise, CRCOG Director of Planning
Cara Radzins, CRCOG Transportation Deputy
Devin Cowperthwaite, Director of Public Works, Town of Stafford
Subject: LOTCIP Funding Increase – Stafford Furnace Avenue Reconstruction Project

A Transportation Committee meeting will take place at 12 noon on Monday, October 24, 2022. At the meeting, we will be discussing and acting on the following:

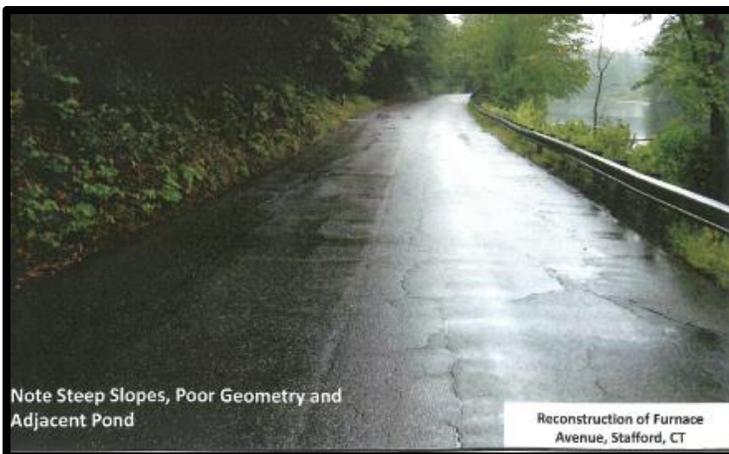
Stafford Furnace Avenue Reconstruction Project (L134-0001)

The Town of Stafford is requesting a LOTCIP funding increase of \$1,715,000 from \$3,051,000 to \$4,766,000 (56.2% increase) based on the current engineer's estimate. The Project was approved by the Transportation Committee under the 2015 LOTCIP Solicitation and has progressed to the 90% design phase.



Note Poor Horizontal Geometry

During the preliminary design phase, the Town conducted a hydraulic analysis that indicated the anticipated 1,500 linear foot of stormwater drainage improvements needed to be extended 1,200 linear feet. These additional drainage improvements, coupled with unit costs increases added \$338,000 to drainage pipe and structure costs. Additionally, riprap was needed to stabilize the drainage swales and the embankment along the pond for an additional \$85,500 and gravel fill was added under the riprap and in storm sewer trenches for \$157,500.



Note Steep Slopes, Poor Geometry and Adjacent Pond

Also, weighted unit costs for many other items increased substantially. Specifically, subbase, the formation of subbase, and processed aggregate increased the costs by \$180,000 and HMA increased by approximately \$150,000. The project cost estimate assumed a 2% inflation rate, which has since escalated to 5%.

The additional increased unit costs combined with increases to percentage based estimating items resulted in the total estimated cost increase of \$1,715,000.

To incorporate costs associated with additional drainage improvements and substantially higher unit prices due to inflation, staff recommends Committee approval of an additional \$1,715,000 of LOTCIP funding for the Stafford Furnace Avenue Reconstruction Project (L134-0001), increasing the funding approval from \$3,051,000 to \$4,766,000.