

To: Cost Review Subcommittee
From: Sotoria Montanari, CRCOG Program Manager
Date: February 14, 2020
c: Transportation Committee
Rob Aloise, CRCOG Transportation Director
Devin Cowperthwaite, Town of Stafford
Subject: LOTCIP funding increase request - Leonard Rd. Bridge Replacement Project in Stafford

A Cost Review Subcommittee meeting will take place at 11:30 AM at **CRCOG, 241 Main Street, 3rd floor Hartford, CT** prior to the Transportation Committee meeting on Monday, February 24, 2020. At the meeting, we will be discussing and acting on the following:

Leonard Road over Furnace Brook, Bridge Rehabilitation Project (134-0002)

Based on the most recent engineering estimate, the Town of Stafford is requesting a LOTCIP funding increase of \$1,217,000 from \$1,200,000 to \$2,417,000 (101% increase). The bridge has been closed to vehicular traffic due to its poor load rating and sufficiency rating of 32.8%. To re-open the bridge, this project was initially approved in September 2018 by the Transportation Committee as an emergency rehabilitation project for \$1,200,000. At that time, funding was made up of the following transfers and approvals:



- The transfer of \$570,000 of LOTCIP funding previously awarded for South Road Bridge Improvements under CRCOG's 2017 Bridge Solicitation (in April 2018 CTDOT notified the Town that it had determined that status of the South Road Bridge's eligibility had changed, and it no longer qualified to receive LOTCIP or federal funding)
- Reimbursement of \$200,000 of funding per a 2009 CRCOG-Stafford agreement regarding \$200,000 of AARA funding that Stafford provided to CRCOG (prior to Stafford joining CRCOG)
- An additional \$430,000 in supplemental LOTCIP funding to allow for completion of the necessary emergency bridge repairs to re-open the bridge



The town has since progressed the project by completing a Preliminary Structure Type Study (November 2019), which included a Geotechnical Study (August 2019) with extensive efforts to investigate subsurface conditions. Originally, the Town sought to re-open the bridge by rehabilitating the bridge superstructure only and reusing the existing abutments. However, the Structure Type Study has determined it necessary to replace the existing superstructure AND

abutments. The reports indicate the existing bridge abutments and upstream walls bear directly on an earthen dam, are inadequately designed, do not meet current standards, and are not suitable to support a new superstructure. CME, one of CRCOG's on-call list 3 consultants reviewed the reports and substantiated the results.

To accommodate a full bridge replacement to meet current safety and design standards and to address noted geotechnical deficiencies, staff recommends committee consideration of an additional \$1,217,000 of LOTCIP funding for the Stafford (L134-0002) project, increasing the funding approval from \$1,200,000 to \$2,417,000. Due to the project's history and cost increases, as a condition of an approval CRCOG staff has suggested that the town consider the possibility of offering concessions in the upcoming LOTCIP solicitation.