

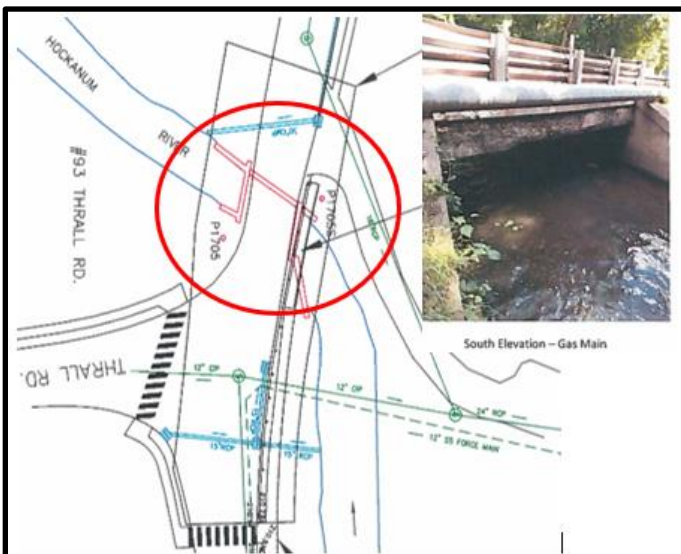
To: Cost Review Subcommittee
From: Sotoria Montanari, CRCOG Program Manager
Date: December 6, 2019
c: Transportation Committee
Rob Aloise, CRCOG Transportation Director
Dave Smith, Town of Vernon
Subject: LOTCIP funding increase request for Dart Hill Bridge Project in Vernon

A Cost Review Subcommittee meeting will take place at 11 AM at **CRCOG, 241 Main Street, 3rd floor Hartford, CT** prior to the Transportation Committee meeting on Monday, December 16, 2019. At the meeting, we will be discussing and acting on the following:

- LOTCIP funding increase request for Vernon Dart Hill Bridge Replacement (L146-0002)

Vernon Dart Hill Bridge Replacement (L146-0002)

This project was approved under the 2017 LOTCIP Bridge Solicitation (Phase 1) and is currently in the preliminary design phase. Based on the most recent engineering estimate, the Town of Vernon is requesting a LOTCIP funding increase of \$494,400 from \$2,014,800 to \$2,509,200 (24.5% increase). Based on the engineering and hydraulic report, the increase to the overall project cost is to address both improvements in bridge geometry with adjacent roadways and to improve hydraulic capacity.



Specifically, the proposed structural revisions will include an increase in the bridge width (curb to curb) by approximately four feet and in the span length by twenty feet.

The revisions will provide better alignment with the roadway approaches, accommodate the curvature of the roadway and river, and incorporate the sidewalk onto the bridge.

The increase in span length to 40 feet results in an improvement in hydraulic capacity. The existing 20-foot bridge span passes only 31% of the 100-year Hockanum River discharge and the 40-foot bridge span will increase it to 88%.

These additional costs combined with increases to percentage based estimating items (such as minor items, inflation, incidentals, contingencies, etc. resulted in the total estimated cost increase of \$494,400.

To incorporate necessary bridge modifications and to improve hydraulic capacity, staff recommends committee approval of an additional \$494,400 of LOTCIP funding for the Vernon (L146-0002) project, increasing the funding approval from \$2,014,800 to \$2,509,200.