

 **To:** Cost Review Sub-Committee
From: Sotoria Montanari, CRCOG Program Manager
Date: May 14, 2021
cc: Transportation Committee
Rob Aloise, CRCOG Director of Planning
Cara Radzins, CRCOG Transportation Deputy
Michael Ahern, P.E., Public Works Director, Berlin
Subject: LOTCIP Funding Increase – Berlin Various Roadways Structure Improvements Project

A Cost Review Sub-Committee meeting will take place at 11 AM on Monday, May 24, 2021. At the meeting, we will be discussing and acting on the following:

Berlin Various Roadways Pavement Structure Improvements Project (L007-0002)

Based on reviews by the town consultant and CTDOT, the construction cost of this project has increased from \$2,972,400 to \$4,265,481 (43.4% increase). The Town of Berlin is proposing to cover \$365,481 of the increase via a town share and is requesting a LOTCIP funding increase of \$927,600, from \$2,972,400 to \$3,900,000 (31.2% increase), to cover the remainder. The project was approved as a Reconstruction project under the 2018 Solicitation and is currently in the preliminary design phase. The funding increase is to address feedback resulting from additional geotechnical analysis completed by Fuss & O'Neill, the town's consultant and to address comments assessed during the application review process.

Background Information

The project was originally approved by the Transportation Committee for \$2,972,400. Although during the application and CTDOT review process resulted in some scope changes, its cost estimate at Commitment to Fund remained within the 20% funding increase threshold.

During the design process, the town's consultant conducted additional borings to ensure an adequate pavement treatment was proposed for the heavily industrial area. The project encompasses three roadways spanning 2.57 miles. Due to the original project pavement treatment not accounting for the heavy truck traffic percentages and updated traffic volumes, the town's consultant recommended a Cold-In-Place Recycling (CIP) treatment. Although the alternative method amounted to an additional \$550,000, it was the least costly alternative pavement treatment for the roadways. This treatment is a rehabilitation technique in which existing pavement materials are re-used in place, with benefits that will potentially offset and mitigate additional pavement overages. CTDOT's Pavement Unit has indicated it will review this as a viable treatment method.

To incorporate consultant and town recommendations to account for pavement design revisions, and in acknowledgment of the Town's pledge of \$365,481 towards the project, staff recommends committee approval of an additional \$927,600 of LOTCIP funding for the Berlin Various Roadways Structure Improvement Project (L007-0002) project, increasing the funding approval from \$2,972,400 to \$3,900,000.



Christian Lane – North of Deming Road Longitudinal and Alligator Cracking



Deming Road – Transverse Cracking