



MEMO TO: Mayor Vandernail and the Board of Trustees
FROM: Ed Cannon, Town Manager
DATE: October 19, 2022
SUBJECT: Change Request for additional work for UPRR and US40 sewer design

MATTER BEFORE BOARD:

Approval of Contract Amendment (change order) with Merrick for additional permitting and title work for sewer upgrade project.

BACKGROUND:

Fraser approved Resolution 2022-03-03 on March 16, 2022, to expend up to \$100,000 for Merrick and Company to design the sewer main replacement under the UPRR and US40.

Merrick's estimated cost for the project included \$12,000 for permitting work with UPRR and preliminary work relating to the project, and \$69,317 for geotechnical services, engineering, and construction administration. This brought the total contract price to \$81,317.

During design, Merrick consulted with staff to investigate alternatives to the permitted 48-inch bore under the UPRR. This was based on recent bores performed by Grand Park Development under UPRR and US40, where soil composition associated with their bore caused significant deviations of the bore alignment. The alternative agreed upon was to utilize a directional air-hammer bore rather than an unguided auger bore. This would allow a 24-inch bore rather than a 48-inch bore, which would also decrease construction costs.

At the 60% design phase, Merrick identified three (3) properties along the proposed route that appeared to be on private land with no identified easements for Town utilities. It was determined that title work was needed on the properties so easements for the sewer line could be obtained.

PROPOSED CHANGE REQUEST:

The new bore proposal requires re-permitting with UPRR. The cost for permitting, along with the value-engineering cost increase to decrease the bore diameter, is \$13,915.

The cost for title work includes surveys and developing legal descriptions for the utility easement. The cost for this additional work is \$15,935.

Finally, the change order proposes re-purposing \$19,787 originally estimated for Construction Administration, so the total additional cost increase with this change order is \$10,063.

The total Contract Price incorporating this change order is \$91,380, which is below the budgeted price of \$100,000.

Merrick is approaching the 90% design phase and plans to issue an RFP by the end of October.

RECOMMENDATION:

Approve the Change Order with Merrick