



Agenda Memo

Crest Hill, IL

Meeting Date:	August 14, 2023
Submitter:	Ronald J Wiedeman
Department:	Engineering
Agenda Item:	U.S. Route 30 from Leness Lane to Theodore; Theodore from U.S. Route 30 to Broadway and Broadway Street from Theodore to Chaney Water Main Lining project-Design Engineering Services

Summary: Per the City's Capital Roadway and Water Main Plan the existing water mains along U.S. Route 30, Theodore and Broadway will need rehabilitation. This year budget included the preparation of the design plans to line the existing water mains along the following sections of roadways:

- U.S Route 30 from Leness Lane to Theodore;
- Theodore from U.S. Route 30 to Broadway
- Broadway from Theodore to Chaney

The age of these water mains varies in range see below:

- U.S Route 30-Installed 1972
- Theodore-Installed 1950-1965
- Broadway-Installed 1950

The locations above are good candidates where lining can be used to increase the service life of these old mains for at least another 50 years. This method of construction will also save the city money by not having to remove large amount of State-owned pavement and have it replaced to install new water by traditional means.

Staff would like to get the consultant moving on the design and preparation of the bid and contract documents. Attached is an agreement from Strand & Associates to provide professional design services.

These services will include the following:

- Attend project coordination meeting.
- Gather and process a topographic survey of each location.

- Perform a Geotechnical Investigation by collecting 20 boring for IEPA clean construction and demolition debris certification.
- Perform project utility coordination.
- Preparation of Plans and Specifications and Construction Estimates
- Prepare and coordinate IDOT and IEPA Water Main Permit Construction Permitting
- Preparation of Storm Water Pollution Prevention Plan
- Quality Assurance/Quality Control
- Project Administration and Management
- Provide support during the bidding process.

Construction Engineering has not been negotiated at this time, but will be once the project is ready for bid. Once the construction engineering scope and fee are determined an agreement will be presented to the City Council for review and approval.

The project schedule is to have the design completed by November 2024.

Due to the overall cost of the project this lining work will be broken up into several contracts with the first bid package ready for bidding by November 2024 with construction starting in the Summer 2025 and completed in the fall of 2025. The other contract will follow based on funding.

Recommended Council Action: Execution of a professional services agreement with Strand and Associates to perform design engineering services and bid document preparation for Contract 1 for the U.S. Route 30 from Leness Lane to Theodore and Theodore from U.S. Route 30 to Broadway and Broadway Street from Theodore to Chaney Water Main Lining project for a not to exceed amount of \$396,100.00.

Financial Impact:

Funding Source: Water Fund

Budgeted Amount: \$250,000.00 (2024) Balance to be included in 2025

Cost: \$396,100.00

Attachments:

3894.045.NFS to Owner.pdf