

**Watertown City Council**

Date: May 10, 2022

**Agenda Item:** 2022 CIPP (Cast In Place Pipe)**Request for Action:** Adopt Resolution #2022-35, Authorizing the preparation of Plans and Specs**Department:** Engineering**Background:**

The City sanitary sewer system flows to the City owned and operated wastewater treatment facility. A common concern with sanitary sewer is the amount of I&I (Inflow and Infiltration) that enters the sanitary pipes and is ultimately sent to and treated through the wastewater plant. I & I is essentially clean groundwater or rain water that takes up capacity of the sewer pipes and increases the costs to operate the wastewater treatment plant.

In the early 2000's the City had a CIPP (Cast In Place Pipe) program in which they lined approximately two thirds of the older sanitary sewer pipe, however the program was suspended. The 2019 CIP (Capital Improvement Plan) continued the plan to finish lining the remaining approximately one-third of the older sanitary sewer within the City.

The sanitary sewer that is intended to receive CIPP lining are older pipes that are typically made of clay tiles which have joints every three feet, often have root intrusion within those joints, can have offset joints, cracks, or breaks. The CIPP process lines the inside of these sewers to essentially create a seamless structural pipe from manhole to manhole. Service later openings are then cut into the mainline by a robot. The lining of the mainline helps reduce the amount of I&I that enters the City sewer. I&I can still enter the system through manholes, sanitary sewer services, sump pump connections, and roof drain connections. An animated video of the overall CIPP process can be viewed here: <https://youtu.be/okstE4bSVmk>

The City has \$150,000 budgeted in the 2022 CIP plan. This includes the lining of approximately 4930 feet of sewer and would complete many miscellaneous pipes of 6" and 8" diameter located in Jackson Ave, Westminster Ave, State St., Maple Ave, Madison Street, Green Avenue, and two alleys.

If authorized, plans and specifications could be completed by the second meeting in June for review and authorization to quote, bid opening could occur in July, and project award the first meeting in August. Due to current contractor's workloads, construction would likely occur in winter/spring of 2022-2023.

**Staff is recommending Council adopt Resolution #2022-35, authorizing the preparation of plans and specifications.**

**Attachments:**

2019-2022 CIPP Overview Map  
Resolution #2022-35



**CITY OF WATERTOWN  
RESOLUTION NO. 2022-35**

**RESOLUTION APPROVING THE PREPARATION OF 2022 CIPP PROJECT PLANS AND  
SPECIFICATIONS**

**WHEREAS**, the City of Watertown (the “City”) builds and maintains sanitary sewer collection infrastructure for the benefit of the public; and

**WHEREAS**, the City has developed a plan to completed Cured In Place Pipe lining to existing sanitary sewer pipe that are able to be lined; and

**WHEREAS**, the City has determined that the CIPP lining method to be beneficial in the extension of the usable life of the sanitary sewer pipes and reduces inflow and infiltration of non-waste water into the treatment system; and

**WHEREAS**, the City has determined that a portion of the 2022 CIPP project area shall include Jackson Ave, Westminster Ave, State St., Maple Ave., Madison St., Green Ave., and two alleys; and

**WHEREAS**, \$150,000 has been budgeted in the City’s CIP; and

**NOW, THEREFORE, BE IT RESOLVED**, that the City Council of the City of Watertown, Minnesota, hereby approves the preparation of plans and specifications quotes for the project.

Adopted by the City Council of the City of Watertown this 10<sup>th</sup> day of May, 2022.

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Steve Washburn, Mayor

ATTEST: \_\_\_\_\_  
Jake Foster, City Administrator