

Sanitary Sewer System - I&I Study

1 message

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To: "Lori Phelan (CLERK@RIDGEWAYWI.GOV)" <CLERK@ridgewaywi.gov>, "president@ridgewaywi.gov" <president@ridgewaywi.gov>

Cc: Jordan Fure <FureJ@delta3eng.biz>, Mark Doyle <DoyleM@delta3eng.biz>, "publicworks@ridgewaywi.gov" <publicworks@ridgewaywi.gov>

Lori/Michele:

As requested for the Village Board meeting scheduled for Tuesday, 7/09/24, following is our estimated engineering fees and associated tasks to be performed by Delta 3 Engineering for portions of a Sanitary Sewer System Infiltration and Inflow (I&I) Study for the Village of Ridgeway. This is the same information that we previously sent to Dale and Hailey in 2023.

Sanitary Sewer I&I Study:

- o Manhole Inspections
- o Smoke Testing
- o Sewer Televising Reports' Review
 - The Village would need to hire a Sewer Cleaning and Televising Company separately to perform the actual Sewer Cleaning and Televising (typically costs about \$2.00/foot of sewer main). We could prepare a map and letter for request for quotes from several local contractors that perform this type of work.
- o I&I Report
- o **Estimated Engineering Fees = \$10,000 - \$12,000**

The I&I Study would include Sanitary Sewer Manhole Inspections, Smoke Testing, and Sewer Televising Review for the entire sanitary sewer collection system. We could likely save some costs by not smoke testing the newer sanitary sewer mains installed in the past seven-eight (7-8) years (i.e. Cardinal Way, Farwell Street, etc.). The Project deliverable would be a written report which includes the existing condition, problems identified, recommendations, and opinion of probable costs. Maps would also be provided showing locations of the problem areas identified.

Benefits of an I&I Study/Report:

1. An I&I Study helps the Village identify and prioritize the problem areas – you can't fix the problem until you know what/where the problem is!
2. I&I Study results help the Village to develop/update the Capital Improvements Program (C.I.P.).
3. A Capital Improvements Program is required for Grant & Loan Programs.
4. The I&I Study will also provide the documentation required to demonstrate need for the project to the grant review staff which impacts eligibility for the grant and determines the amount of grant money allotted to the project.
5. Identification of the problem areas and recommended solutions will minimize the amount of clear water I&I entering and being treated at the Wastewater Treatment Facility (WWTF), and thus, will reduce the cost of daily and annual treatment...saving money for the Village's Sewer Department.

Hope this information helps! If you have any questions, please feel free to contact me at (608) 642-1698. Thank you and have a great 4th of July weekend!

Bart Nies, P.E.



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