

ELIZABETHTOWN BOROUGH, IN COLLABORATION WITH THE ELIZABETHTOWN AREA SEWER AUTHORITY, WILL BE APPLYING FOR FUNDING THROUGH THE COVID-19 ARPA H2O PA WATER SUPPLY, SANITARY SEWER AND STORM WATER PROJECTS PROGRAM VIA THE COMMONWEALTH FINANCING AUTHORITY.

Name of Project/Initiative

Radio Road Interceptor Project

The Radio Road sewer interceptor carries flows from Elizabethtown Borough and Mount Joy Township owned by the Elizabethtown Regional Sewer Authority (ERSA) through the Borough and ultimately to the Borough's wastewater treatment plant. During periods of wet weather and high groundwater tables, the interceptor experiences surcharging and hydraulic overload conditions. Due to the experienced surcharging, PADEP required the Borough to submit a Corrective Action Plan (CAP) which was approved by the PADEP in October of 2015.

Elizabethtown Borough Wastewater Engineer, HRG, completed a number of intensive flow studies to identify available capacity and hydraulic overloaded sections of the interceptor and prioritize areas of necessary improvements. The Radio Road Interceptor Sewer System Capacity Study (SSCS) 2020 Update Report recommended that the Borough plan for the completion of an Interceptor Rehabilitation Project in order to address age and condition of the Interceptor, remove inflow and infiltration within the Interceptor associated with noted defects in the mains requiring rehabilitation, and provide additional capacity within the most hydraulically limited portions of the Interceptor.

The interceptor improvements/expansion will eliminate the surcharging and provide for extensive development that will eventually occur at the Hershey Road (SR 743) and SR 283 interchange and the lands owned by the Hershey Trust. While the Borough will carry out the project, ERSA will participate in the funding of the needed improvements because the flows from Hershey Road and Mount Gretna Road in Mount Joy Township utilize the Radio Road interceptor.

The Final Basis of Design Report was provided to the Borough and ERSA in February 2022. A meeting was held with the Borough and ERSA in March 2022 to discuss the Basis of Design Report and cost sharing as well as the Shared Sewer Revenue Fund Budget and other 2022 Capital Projects identified in the Elizabethtown Borough Capital Improvements Plan.

HRG has informed the Borough that the proposed realignment changes may require obtaining additional temporary and permanent easements, as the changes are located outside of the Borough's existing easements and public right of way. The necessary permits include a PADEP WQM Part II Permit, an Act 537 Special Study, PADEP General Permit, and PADEP NPDES Permit.

The 30-day public comment period for the PADEP Act 537 Special Study ended on November 4, 2022. The Special Study will be submitted to PADEP following the public comment period, approval from the County and Borough Planning Commissions and adoption of the Borough Resolution.

Proposed Project Costs; Priority; and Timeline

- Funds will be used for construction of the interceptor line including sections, that the capacity report, identified as needing to be expanded, up graded or replaced with extensive manhole rehabilitation and construction. This work will include by-pass pumping, upsizing of 358 manholes, 7,609 feet of PVC sanitary pipe installation, 2,125 feet of sanitary sewer pipelining and restoration of all ditches created by the upgrades. The Total Estimated Project Cost associated with these recommendations is over \$5,500,000
- These Improvements are considered High Priority for both the Borough and ERSA.
- The following tentative schedule is proposed for implementation of the Project:

<u>Activity</u>	<u>Completion Date</u>
Act 537 Special Study Submission to PADEP	December 2022
Preliminary Design Completion & Permit Application Submissions	December 2022
Finalize Funding Applications	January 2023
Final Design Completion & Easement Acquisition	February 2023
Bidding	April 2023
Construction Completion	October 2024