

Project Narrative: Workplan

Applicant: Gerrish Lyon Utility Authority.

Project Title: Higgins lake Wastewater Collection and Treatment System

Project Objective(s) and Need

The proposed project is for the preliminary design and planning phase of a new sanitary sewer collection and treatment system around Higgins Lake. The project area covers 23 square miles in Roscommon County including approximately 4,200 residences, 70 businesses, and 1,430 undeveloped properties around Higgins Lake. The service area is based on depth to groundwater, soil types, lot size, and proximity to Higgins Lake. The area is currently served by private on-site drinking water wells and septic systems.

Note that this project will be funded by \$1M in EPA Grant Funding (Community Grant). Also note, Gerrish Lyon Utility Authority has received a waiver for their local cost share.

Project Description

- **Project Development – \$340,000**
 - Community Outreach, Public Meetings, Special Assessment District proceedings.
 - Finalize Special assessment district
 - Secure funding for final design and construction of the project.
 - Grant administration

- **Mapping and Orthophotography - \$425,000**
 - Aerial LiDAR photography and Survey
 - Parcel line mapping over orthophotography
 - Field survey verification of selected property corners and ROW
 - Public road ROW mapping
 - Plat and meets/bounds
 - Parcel description review

- **Wastewater Collection System Design Development - \$180,000**
 - Finalize service area
 - Review Preliminary collection system layout and design concepts
 - Review potential cluster site connections (HOAs, condominiums, commercial users, Island)

- **Wastewater Treatment System Design Development - \$130,000**
 - Review preliminary discharge permit standards
 - Develop Wastewater Treatment Plant Basis of Design
 - Hydraulic and Biological treatment capacity
 - Prepare conceptual treatment system design