

VILLAGE OF LIBERTY, SULLIVAN COUNTY
2025 CFA APPLICATION FOR OFFICE OF COMMUNITY RENEWAL
COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM FUNDS

PHASE 2 WATER SYSTEM IMPROVEMENTS PROJECT
- PROPOSED PROJECT NARATIVE -

Background:

The Village of Liberty, NY, located in Sullivan County, provides potable water to a population of approximately 4,700 Village residents (and others) through approximately 1,700 active service connections (1,371 residential and 329 commercial) within the Village and the surrounding area. The system infrastructure includes a well (currently used at a limited withdrawal rate), a reservoir, a water filtration plant, two water storage tanks, and a water distribution system of several linear miles of water main.

At the northern end of the Village, portions of the water system in the area of upper North Main Street are known to have issues with frequent watermain breaks, poor water quality due to elevated levels of disinfection byproducts, and flow rate restriction. There is also an overflow issue at one of the Village's water storage tanks, attributed to an inoperable control valve located on North End Avenue. These issues are the focus of the on-going Phase 1 of this Water System Improvement. Phase two will ensure completion of improvements required to solve these issues and will also work to complete related improvements in other areas of the water system, including in the southern portion of the system (in the area of West Lake Street, Carrier Street, South Main Street, and Upper Ferndale Road), the area around the Village's Elm Street Well, and the Village's Lily Pond Water Treatment Plant. A Community Development Block Grant (CDBG) application will be submitted for the current 2025 Program Year.

Proposed Project Description:

The Village is proposing a public infrastructure improvement project and plans to submit a 2025 CFA Public Infrastructure application for a project with an anticipated project cost of approximately \$1.5 million (at a maximum) for a water system improvement project in the vicinity of North Main Street, Oak Street, North End Avenue, and Wawanda Avenue, West Lake Street, Carrier Street, South Main Street, and Upper Ferndale Road. The proposed project is expected to primarily benefit low-and-moderate-income persons.

Anticipated Scope (See attached Aerial Map Figure) of Proposed Watermain (and Sewer Main) Replacement Work:

Anticipated Base Project:

1. Replacement of aging watermains, focusing on areas with the greatest risk or history of watermain breaks, oldest mains, or most undersized mains.
2. Replacement of the existing undersized (4" or smaller) watermains in the north-east section of the Village, potentially including lower North Main Street, Delaware Avenue, Wawanda Avenue, California Avenue, Summit Avenue, Kempfer Lane, Hillside Avenue, Woodlawn Avenue, Balsam Drive, Noble Street, Kaempfer Lane, and limited sewer main replacement, if required.
3. Replacement of watermains in the southern section of the Village, potentially including West Lake Street, South Main Street, Carrier Street, Upper Ferndale Road, and nearby areas.

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4. Replacement of existing sanitary sewer mains in the vicinity of watermain replacement, as needed to improve separation distance or as needed due to anticipated or incidental damage during construction activities.
5. Possible well house improvements, including potential addition of telemetry equipment to communicate with the planned new PRV control valve on North End Avenue (installation pending)
6. Possible Water Plant improvements, primarily including potential addition of telemetry equipment to communicate with the planned new PRV control valve on North End Avenue (installation pending)

Potential Other Work Considered:

1. Potential additional watermain replacement work, including valves, hydrants, and appurtenances, prioritizing the oldest and most undersized mains.
2. Potential unplanned incidental or additional sewer work

Improvements may occur over multiple phases, as funding allows. Base Bid or Bid Alternate items not completed in the current phase (as well as other potential improvements not listed herein) may be considered for potential future phases.

Project Goals:

The major goals for this project include the following:

1. Mitigate likelihood of future watermain breaks in areas known to have had numerous recent watermain breaks (North Main Street, West Lake Street, South Main Street, Carrier Street, Upper Ferndale Road, Wawanda Ave., etc.), thereby reducing annual O&M costs for the lifespan of the project.
2. Reduce the potential for elevated disinfection byproducts (DBPs) in susceptible areas of the Village (and the interconnected Cold Springs Water District) by replacing undersized watermains and improving flow conditions.
3. Improve the automation and communication of the system in an effort to reduce water waste (due to storage tank overflows) and work towards allowing the water system to be more automatically controlled based on system demand and accounting for demand fluctuations.
4. Where required by existing conditions, establish or improve horizontal and vertical separation of watermains from other utilities (e.g., sanitary sewer mains).
5. Increase the system's ability to provide water to potential new development sites.

Project Schedule:

The anticipated project schedule is as follows (A = Actual [i.e., currently scheduled or previously completed], T = Target):

Village to Hold Public Hearing on Proposed Project March 20, 2025 (A)
Village to Review Proposals and Select Engineering Consultant March 28, 2025 (A)
Submit OCR CDBG Applicationby July 31, 2025 (T)
Anticipated Notice of Funding Award December 2025 (T)
Construction Period June 2026 through December 2027 (T)