WATER IMPROVEMENT DISTRICT NO. 2025-2

(MOORETON WATER SYSTEM IMPROVEMENTS)

Need for Project

Figure 1 shows the existing water system facilities and their location within the project boundary.

FIGURE 1

The City's existing water system infrastructure has reached a stage where age, reliability concerns, and operational limitations are affecting the community's ability to maintain a safe and dependable potable water supply. The current booster station, which provides the primary means of delivering adequate pressure and flow throughout the distribution system, has exceeded its useful service life. Mechanical components, electrical systems, and control equipment are outdated, increasingly prone to failure, and no longer meet industry standards for efficiency and operation safety. While the underground concrete reservoir remains structurally sound and is planned to remain in service, its continued use requires a reliable booster station to ensure consistent system performance.

In addition to deficiencies at the booster station, several hydrants and gate valves within the distribution system are aged, inoperable, or no longer functioning as intended. These components are critical for maintaining system integrity, providing fire protection, and allowing the City to isolate small portions of the distribution system during maintenance or emergency repairs. Without functional valves, the City is often required to shut down larger portions of the system to complete routine work, increasing service disruptions. The lack of adequate valve spacing also limits operational flexibility and emergency response capability.

Collectively, these issues create vulnerabilities in water system reliability, public safety, and regulatory compliance. Continued operation of the existing equipment presents increasing risk of mechanical failure, unplanned outages, and higher maintenance costs. Replacing the booster station and its components, upgrading deficient hydrants and gate valves, and installing new gate valves for system isolation are necessary improvements to ensure long-term reliability, protect water quality, and meet regulatory expectations for sustainable water system operation.

Proposed Improvements

The project would consist of the following work items:

- Booster Station Improvements
  - Pumps and associated valves and controls Installation
  - Electrical components Installation
  - Generator Installation
  - Back Flow Prevention Installation
  - Bladder Storage Tank Installation

- Demolition and/or Repurposing of Existing Booster Station Building
- Existing Concrete Reservoir Relining (possible)

- Distribution System Improvements
  - Gate Valve Installation
  - Fire Hydrant Installation and/or Relocation

Project Overview

- Project Cost
  - The total probable project cost is estimated at $1,039,000.
- Project Schedule
  - Project design and Project Funding is ongoing and will be completed prior to bidding, which is planned for March 2026.
  - Project construction is anticipated for May 2026 through November 2026, with a completion date in November 2026.
- Project Funding
  - The City of Mooreton received a letter of Loan Forgiveness Fund eligibility from the Drinking Water State Revolving Fund (DWSRF) Program in North Dakota. The forgiveness amount is in the amount of up to 75% of the eligible loan costs to the extent that loan forgiveness funds are available, which amounts to $779,250.00.
  - A FIND Application (#1086385) was submitted through WebGrants on November 26, 2025 requesting Department of Water Resources Cost Share (60%) for Pre-Construction costs in the amount of $12,000.00 and Drinking Water State Revolving Fund Loan for final remaining local cost shares in the amount of $111,888.00. Both are pending review/approval and submission of required documents.
  - In accordance with the two-tiered DWR policy, Construction Costs must be requested, reviewed, and approved separately from Pre-Construction Costs. It is anticipated that upon design completion, additional Department of Water Resources Cost Share (60%) for Construction costs in the amount of $135,957.00 will be requested.

Public Comment

- Email further questions/comments to:
  - Eric.Larson@interstateeng.com
  - Subject Line: Water ID 2025-2 – Public Input