



Project Title: Madisonville Water Infrastructure Improvement Project

Project Overview:

The Madisonville Water Infrastructure Improvement Project aims to address the critical need for the replacement and upgrade of aging water infrastructure within the city limits of Madisonville, Texas. The project will involve the installation of shut-off valves in key areas, the placement of fire hydrants, and the upsizing of water lines to ensure appropriate flow. These upgrades are essential to mitigate the increasing occurrences of daily water main breaks throughout the city, which pose significant risks to public health, safety, and the environment.

Project Objectives:

1. **Replace Aging Infrastructure:** Upgrade and replace deteriorating water infrastructure to enhance reliability and longevity.
2. **Install Shut-off Valves:** Strategically install shut-off valves in crucial areas to enable efficient isolation and repair of water line issues, minimizing disruptions to service.
3. **Deploy Fire Hydrants:** Install fire hydrants to improve firefighting capabilities and emergency response within the community.
4. **Upsize Water Lines:** Increase the size of water lines to accommodate growing demand and ensure optimal water flow, reducing pressure fluctuations and improving overall system efficiency.

Project Justification:

The current state of Madisonville's water infrastructure presents a pressing concern due to the escalating frequency of water main breaks. These incidents not only disrupt water service for residents and businesses but also incur significant repair costs and potential property damage. Moreover, the inadequate capacity of existing water lines hampers the delivery of water, impacting everyday activities and emergency response efforts. By implementing this project, we can proactively address these challenges, safeguarding public health and safety while promoting sustainable growth and development in the community.



Project Implementation:

Assessment and Planning: Conduct a comprehensive assessment of existing water infrastructure to identify critical areas for replacement and upgrades.

Design and Engineering: Develop detailed design plans for the installation of shut-off valves, fire hydrants, and the upsizing of water lines, ensuring compliance with regulatory standards and community needs.

Construction and Installation: Execute the construction phase, including excavation, installation of new infrastructure components, and connection to the existing water system.

Testing and Commissioning: Conduct thorough testing and commissioning of the upgraded infrastructure to verify functionality and performance.

Community Outreach: Engage with residents, businesses, and stakeholders throughout the project to provide updates, address concerns, and promote awareness of water conservation and safety measures.

Budget and Funding Request:

The total estimated cost for the Madisonville Water Infrastructure Improvement Project is \$6.5 million. We are seeking funding support from community grants, federal/state assistance programs, and private contributions to ensure the successful implementation of this vital initiative. Your investment in this project will not only enhance the resilience and reliability of our water infrastructure but also contribute to the overall well-being and prosperity of the Madisonville community for generations to come.

Conclusion:

The Madisonville Water Infrastructure Improvement Project represents a critical investment in the future sustainability and resilience of our community. By replacing and upgrading aging water infrastructure, installing essential infrastructure components, and enhancing water flow capacity, we can address pressing challenges, improve service reliability, and ensure the safety and well-being of our



residents and businesses. Your support for this project is instrumental in shaping a brighter and more prosperous future for Madisonville, Texas.