



{SYSTEM _NAME} PROJECT DESCRIPTION

PROJECT #1: {Project_Title} **PROJECT AWARD TYPE:** {Pick One -IP,IPD,PDC,CO}

EXPENSE CATEGORY: {Ex. Drinking water: Transmission & Distribution-Use Expenditure Category Aid}

BRIEF DESCRIPTION: Project #1 is proposed to alleviate the significant amount of infiltration & inflow (I & I) the {SYSTEM _NAME} experiences in their gravity sewer conveyance in the down{ENTITY} area in times of wet weather. The proposed project consists of CIPP lining. As part of this proposed project, we plan to clean and camera the sewer main to determine the need for point repairs by identifying any areas that will need to be excavated and repaired or replaced by the Owner prior to CIPP lining. We will then line approximately 3600 LF of gravity sewer with cured-in-place pipe. Once the entire repair and lining process is complete, we will camera the line again to ensure the quality of the repairs.

CRITICAL NEEDS: As shown on the {ENTITY}'s Infrastructure Scorecard, {SYSTEM} has 60% I & I in their system. The down {ENTITY} area sewer collection system has been determined to be one of the oldest in the system, and therefore a priority for rehabilitation. The line is made of clay, which can become brittle over time. This can lead to cracks developing along the line which allows stormwater to enter those sections. We are proposing CIPP lining to fix this critical need in the system because it is nonintrusive, and the work is performed within the existing easements. Additionally, this method of sewer rehabilitation minimizes road and street repair work and the associated expenses.

SHARED PURPOSE FOR PARTNERS: Currently, the majority of the {ENTITY}'s sewer system is contained within the city limits. The proposed project will free up capacity in the {ENTITY}'s system without the necessity of upgrading the wastewater treatment plant. This would allow them to support future growth for new developments, both commercial and residential. It would also allow expansion into rural areas that may experience septic tank issues.

GOALS OF THE PROJECT: The primary goal of the proposed project is to reduce I & I in down {ENTITY} area of the {ENTITY} of {SYSTEM}. By reducing I & I in this area, the {ENTITY} can free up capacity in its sewer system for its existing customers and promote future growth. While an exact numeric approximation of the reduction is difficult to estimate, we are targeting a reduction of 10% I & I overall in the system.

TIMELINE: This project can be performed concurrently with the other projects.



Project #1: CIPP Lining

PROJECT TIME LINE

Item No.	Items of Work	Estimated Begin Date	No. of Units	Units	Estimated End Date
1	Grant Award Notification	2/1/2023	1	DAY	2/2/2023
2	Engineering Design Phase	2/2/2023	150	DAY	7/2/2023
3	Permitting (TDEC approval only)	7/2/2023	30	DAY	8/1/2023
4	Bid Advertisement Period	8/1/2023	60	DAY	9/30/2023
5	Bidding and Evaluation Period	9/30/2023	30	DAY	10/30/2023
6	Notice of Award and Contract Execution	10/30/2023	45	DAY	12/14/2023
7	Contractor Submittal and Review Period	12/14/2023	30	DAY	1/13/2024
8	Contractor Material Ordering Period	1/13/2024	180	DAY	7/11/2024
9	Construction Period	7/11/2024	210	DAY	2/6/2025
10	Development of As-Builts, O&M Manuals, Project Close-out Procedures	2/6/2025	60	DAY	4/7/2025
	ESTIMATED COMPLETION DATE:	4/7/2025	796	DAY	TOTAL PROJECT DURATION

SYSTEM VIOLATIONS: N/A