

# FOLEY WASTEWATER COLLECTION SYSTEM

## REHABILITATION PROJECT

### **I. What – Project Information/Basic Facts**

1. Project Scope : This project is to provide essential infrastructure upgrades in key locations within the City of Foley wastewater collection system to harden and modernize the aging infrastructure. This project will provide cured in place lining materials to approximate 44,000 linear feet of 8” through 15” vitrified clay gravity sewer collection mains, 350 service line repairs and 150 manholes.
  - 1.1. Project duration or schedule by phase and status of any work in progress : This project has been identified through an extensive video assessment of the sewer system. This assessment was performed by The Utilities Board of the City of Foley. The project duration is expected to take a total of eighteen months, which includes the preparation of bid documents, advertisement for bids and construction. This work would be the second phase of the sewer rehabilitation work. The first phase included the purchase of the video and cleaning equipment for the assessment work and the point repair contract to repair compromises in the infrastructure that posed imminent threats to the system.
2. Conceptual and Feasibility Planning, Engineering, Construction : The plan is a result of much effort made by the Board to reduce the infiltration/inflow volumes to the wastewater system and subsequently, the wastewater treatment plant. Infiltration and inflow have caused several overflow events in the past several years. The Board has provided funding for force main construction, hydraulic attenuation basin and numerous spot repairs in order to mitigate the overflow potential. The final step in this process is to follow up on the assessment recommendation to provide the cured in place lining to the identified main lines, the service lateral repairs to the individual service lines and the manhole rehabilitation to the manholes that are subject to infiltration/inflow water.
3. Estimated Cost (plus or minus 30%): **\$2,650,000.00**
  - 3.1. Indicate level of confidence in accuracy of these estimates: These estimates are within 15%+/- of the total project costs.

## II. Why – Project Description relative to Impact and Criteria

1. Identify what need, threat or opportunity that this project, study, or recommendation will address : This project will improve and rehabilitate the vital wastewater collection infrastructure of the City of Foley. These improvements will dramatically improve water quality in Wolf Creek and Wolf Bay, an Outstanding Alabama Water, during periods of high rainfall when overflow potential is highest. This improvement will also help mitigate the chance of a catastrophic collapse of vital roadways where infiltration and inflow occur. Fewer sewer overflows in the creeks, rivers and bays improve water quality and provide for a much better quality of life. It also hastens the environmental recovery from natural and manmade disasters.
2. How does this project or recommendation address and impact the recommended evaluation criteria:
  - 2.1.1. Coastal Recovery : This project supports the Alabama Gulf Coast by maintaining a higher water quality standard for the bays and estuaries. The local economy depends on tourist related activities that include fishing, swimming and other water recreational interests.
  - 2.1.2. Resiliency : This project hardens the sewer infrastructure in Foley where staging for vital response efforts will be housed. This will reduce the probability of failure, which allows for quicker restoration of key support infrastructure to first response teams.
  - 2.1.3. Transformational : This project is suited perfectly for the types of development that can both complement the coastal tourism economy and maintain support infrastructure inland. The project provides an environmental protection aspect for the coastal destination type facilities that depend on environmental quality of the area and it improves the capacity of the collection infrastructure in Foley to support the types of support infrastructure such as laundry services and housing to support the coastal demand for these needs.
  - 2.1.4. Regionalism : This project does add to the regional marketability of the area with the improved sewer collection infrastructure to develop destination type facilities along the major corridor of State Hwy. 59 that both complements the coastal draw of tourists and provides for a non-coastal attraction that can add to the coastal benefit and be an economic driver on its own.

2.1.5. Economic Diversification : This project can help improve and rehabilitate the infrastructure used in the economic recruiting of projects that need the high traffic volumes of a major corridor to diversify the local economy. It also can appeal to the service industries that support the coastal economy in an area where land is less expensive and more available.

3. Project Economics : The project will support the construction and utility materials industry in the State of Alabama through the competitive bid process. The needed infrastructure improvement will help the economic development of Foley by providing the availability of the basic sewer utility at reasonable rates.

4. Identify Direct Project benefits to Coastal Alabama, including avoided costs, consequence of “No Build” alternative : Without this infrastructure improvement, sites for economic development on a major corridor would be more limited. The reliability of the existing infrastructure would be lessened in case of a major disaster such a tropical storms and severe rain events.

4.1. Impact on employment, job training and development, both short term and permanent : The short term benefit of construction and manufacturing jobs is considerable. The long term employment potential is improved with better support infrastructure at reasonable rates.

4.2. Oil spill mitigation outside of claims process : Not applicable

5. Identify Indirect benefits and costs

5.1. Collateral Benefits to the objectives of Healthy Environment, Healthy Economy and Healthy Society (subjective responses allowed) : This project can help support the development of a more diverse economy in this region that has seen the negative effects of being too dependent on the Gulf of Mexico. This can help create a more healthy economic base, which can lead to a more healthy society.

5.2. Collateral Costs or impacts to the objectives of Healthy Environment, Healthy Economy and Healthy Society ( subjective responses allowed) : None known

5.3. Connectivity and Linkage to other projects or initiatives: Does this project complement or compete with other projects? What other projects would be precluded if this project is funded? This project links itself to the Foley Industrial Park, where sites are available for manufacturing and industrial prospects. The availability of these sites offer the potential for economic diversification by expanding non-tourist related employment.

### III. Who/How – General Information

1. Name and contact information for Entity, Collaboration or Person submitting project or recommendation nomination. **The Utilities Board of the City of Foley, AL, 413 East Laurel Avenue, Foley AL 36535, Attn: Michael M. Dugger, General Manager**
2. Identify Sponsoring Entity for oversight and accountability if different from above.
  - 2.1. Existing or to be created? Not applicable
    - 2.1.1. If to be created, what parties or interests must be involved and what level of effort is required to do so?
  - 2.2. Describe governance, organizational capacity, availability of skills, experience of sponsoring entity to implement the Project : The Board and its staff will oversee the project as it has in past projects. The staff consists of professional engineers, inspection personnel and a full accounting department.
  - 2.3. Project complexity: Hurdles and barriers to project implementation, completion and sustainability. Identify regulatory issues : The City of Foley holds title to the Right of Way where the project will be placed. There will be stormwater permitting requirements, which should not cause any delays.
3. Identify any known or anticipated administrative, regulatory, or legislative action that would be required at either the local, state, or federal governmental level. None.
4. Requested funding from Coastal Recovery Fund (CRF) **\$2,650,000.00**
5. Identified potential funding sources other than the CRF : This type of expansion would be funded through specific rate designs of the Board.
  - 5.1. Leverage or multiplier on CRF investment: matching funds, public or private : Rate funded capital funding through the Board would be a possible source of support funding.

5.2. Public Private Opportunities, user fees, Federal funds, private foundation grants, bonding capacity, etc. : Not anticipated

6. Forecast of ongoing maintenance or operating costs and source of funding if not self sustaining : Maintenance and operating costs are supported through the rates charged for each service.