

City of Maysville
Sewer System Evaluation and Rehabilitation
Banks and Jackson Counties, Georgia

Services Provided:

Funding Procurement:
Georgia Environmental
Finance Authority
(GEFA) American Recovery
and Reinvestment Act
(ARRA)

Sewer System Evaluation
Permitting
Interagency Coordination
Design
Bid
Construction Observation

Project Data:

Estimated Construction
Cost: \$730,000.00

Date of Completion: Sept
2011

Sewer System Evaluation:
31,000 LF of Sewer Line
CCTV
139 Manholes

Sewer Line Rehabilitation:
27,300 LF CIPP,
5 point repairs,
1,115 LF sewer replacement

Manhole Rehabilitation:
26 manholes coated,
6 manhole repair,
15 manhole replacement,
5 raise manhole rim

Contact:

The Honorable Richard
Presley
Mayor
City of Maysville
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Maysville, GA 30558
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The City of Maysville's sanitary sewer system was constructed in 1967, and utilized precast concrete pipe. After over 40 years, the system was experiencing problems with extraneous water leaking into the wastewater collection system. During rainfall events the City's two pump stations and treatment facility would become inundated with inflow and infiltration. The City contracted with EMI to perform a Sewer System Evaluation that included a thorough analysis of the sewer system to identify all of the inflow sources. In addition to the evaluation, EMI conducted a GPS survey of the entire collection system and created a desperately needed sewer system map for the City.

The analysis included manhole inspection, smoke testing, CCTV and dye testing. The result of the sewer system evaluation conducted by EMI included documenting the locations where the leaks were occurring, and a proposed plan of action to make the necessary repairs.

EMI's proposed plan for rehabilitation utilized multiple rehabilitation methods based on suitability and budget. Manhole repair extent depended on the condition of the manhole, and involved manhole replacement, raising manhole rims, or coating the manhole. Pipeline rehabilitation involved point repair; in-place lining techniques including cured-in-place pipe (CIPP), and line replacement.

The rehabilitation project resulted in a substantial reduction of average daily flow into the wastewater treatment facility. EMI assisted the City in obtaining a \$225,000 GEFA ARRA loan with \$525,000 in subsidy funds for the project.