

City of Blairsville
Sewer System Evaluation and Rehabilitation
Union County, Georgia

Services Provided:

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

Sewer System Evaluation
Permitting
Interagency Coordination
Design & Bidding
Construction Management

Project Data:

Sewer Line Replacement/
Rehab: Construction Cost:
\$612,000.00
Manhole Rehab: \$83,000.00
Pump Station Upgrade:
Total \$221,000.00

**Date of
Completion:**

Sept 2011

Sewer System Evaluation:
25,000 LF of Sewer Line
CCTV
393 Manholes

Sewer Line Rehabilitation:
10,180 LF CIPP, 10 point
repairs, 5,127 LF sewer
replacement

Manhole Rehabilitation:
82 Manholes Repairs

Tech School Pump Station
Replacement & Upgrade

Contact:

The Honorable Jim Conley
Mayor
City of Blairsville
P. O. Box 307
Blairsville, GA 30514
(706)745-2000



For many years the City of Blairsville experienced problems with inflow and infiltration of stormwater and groundwater leaking into the wastewater collection system. 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.

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 City was also able to replace and upgrade an existing dilapidated wastewater pump station that was under sized.

The rehabilitation project resulted in a 30% reduction of average daily flow into the wastewater treatment facility. EMI assisted the City in obtaining a \$322,800 GEFA ARRA loan with \$753,200 in subsidy funds for the project.