



Inflow and Infiltration Abatement Program

The City of Anderson monitored large flow increases in its sewer system for many years, whenever large rainfall events occur, due to stormwater entering the wastewater collection system. This phenomenon is known as rain-dependent inflow and infiltration. Design South developed a comprehensive Inflow and Infiltration (I/I) removal plan for basin specific areas with excessive I/I, including extensive flow monitoring, smoke testing, manhole inspections and development of cost effective rehabilitation solutions using a variety of traditional and trenchless methods.

The restoration portion of the project included cleaning and internal inspection of 37,000 linear feet of sewer, rehabilitation of 29,900 linear feet of sewer using cured-in-place pipe technology, restoration of 11 existing manholes using a sulfide resistant cementitious mortar, and other repairs to 20 existing manholes to mitigate excessive inflow and infiltration from the Rocky River and Generostee Creek Drainage Basins.

Trenchless methods helped eliminate significant maintenance problems for the City by structurally rehabilitating sewers without excavation, including 13 sewers under buildings, 5 sewers under railroads, 7 sewers under highways, and 6 sewers under creeks.

The Project: Entire Project
Preliminary Engineering Report
Preliminary Design
Field Location Survey
Final Design
Construction Services

Contract Value: \$1,550,000

Contract Period: Several years

Principal Contractors: Southeast Pipe Survey, Inc
Insituform Technologies, Inc

