

CASE STUDY

GUIDED AUGER BORING | ROAD CROSSING

**Project Name:**

Greenville Road Crossing

**Prime/Sub Contractors:**

Dewrell Horizontal Road Boring Inc. – Delta, AL

**Location:**

Greenville, GA

**Owner:**

Municipal Water & Sewer Authority

**Ground Conditions:**

Red clay soils typical of the region

**Akkerman Equipment:**

Model 240A GBM System with Universal Base Adapter and Guided Auger Boring System

**Pipe:**

16-in steel casing

**Total Length/Longest:**

160 LF

PROJECT OVERVIEW

Dewrell Horizontal Road Boring Inc. completed guided auger boring operations for a roadway crossing project in Greenville, Georgia. With extensive regional experience in varying subsurface conditions, the crew integrated Akkerman's guided auger boring technology to enhance accuracy and efficiency during installation.

The project required precise alignment control beneath the roadway while working in cohesive clay soils. By leveraging guided boring technology, the crew achieved consistent performance and minimized surface disruption during installation.

THE CHALLENGES

- Maintaining line and grade accuracy beneath an active roadway
- Working within cohesive clay soils that require controlled excavation methods
- Limited tolerance for deviation in a short, precision-driven crossing
- Ensuring efficient installation while minimizing disruption to surface infrastructure

THE SOLUTION

- Utilized the Akkerman 240A GBM System to achieve precise guidance and alignment control
- Integrated a universal base adapter to support guided auger boring operations
- Applied proven trenchless methods to maintain bore stability in cohesive clay conditions
- Leveraged contractor experience alongside equipment capabilities to optimize installation performance

OUTCOME

- Successfully completed the 160 LF road crossing with accurate line and grade control
- Maintained bore stability and consistent performance in clay soils
- Minimized surface disruption beneath the roadway
- Demonstrated the effectiveness of guided auger boring technology for short, precision installations
- Reinforced the value of combining contractor expertise with advanced trenchless systems

