

ROAN MOUNTAIN STATE PARK WATER SYSTEM UPGRADES

CLIENT:

State of Tennessee Department of
General Services for TDEC

LOCATION:

Roan Mountain, Tennessee

PROJECT TIME FRAME:

2009 thru 2013

CONSTRUCTION COST:

\$1.5 Million

FUNDING:

100% State

PROJECT TEAM:

Gary Tysinger, PE, FASCE - Oversight

Jill Workman, PE - Project Leader

Rick Bowers, PLS –Surveyor

Sam Clark - Designer

Clinton Reeser – Construction Observation

PROJECT SERVICES:

- Surveying
- Feasibility Study
- Comprehensive Well Evaluation
- Water Distribution System Design
- Permitting
- Construction Drawings & Documents
- Construction Services & Observation

PROJECT DESCRIPTION:

Roan Mountain attracts thousands of visitors annually for its recreational and scenic resources. Approximately 750,000 people visit the Roan Mountain State Park each year to enjoy outdoor activities such as fishing, camping, and hiking. Roan Mountain also features the world’s largest natural rhododendron garden, drawing 200,000 visitors annually to the Rhododendron Festival. This project included upgrading the park’s existing water system by replacing approximately 2 miles of distribution lines, providing shutoff and isolation capabilities, installing new sanitary yard hydrants, and providing a redundant water source for each well system. The challenges associated with this project included examination and mapping of the park’s existing water sources and distribution system, evaluation of the park’s nine active wells, mapping, planning, permitting, and thorough coordination with Park personnel and schedules. This project was funded by the State of Tennessee Department of General Services for the Department of Environment and Conservation. Construction work for this project was performed by Iron Mountain Construction Company, Inc. This project was completed on schedule in 2013, closing under budget and without additive change orders.

Roan Mountain State Park



Water Line Installation



New Yard Hydrant

