



Girdled Road Reservation Bridge

Lake County, Ohio

Client: Lake Metroparks

Contact: Lawrence Elswick, PLA (440) 639-7275

Key Personnel:

Rick Rockich, PE (PM)
 Jim O'Leary, PE
 Kevin White, PE
 Peter Narsavage, PE

Project Cost:

\$153,900 Construction
 \$73,194 Design

Year Completed:

September 2015 Construction
 March 2015 Design

E.L. Robinson's Role:

Prime Consultant
 Bridge Design

This project included the Preliminary Engineering Report and final design plans for the pedestrian bridge crossing Big Creek. The crossing is located approximately one mile from the parking area and there is a 100 foot elevation difference. The structure is a Suspension Type bridge. Three locations for the bridge were evaluated and the final recommendation was based on a benefits matrix that included trail preservation, initial cost estimate, constructability and access analysis, and ease of maintenance. ELR also performed final design and plans, the Hydraulic Analysis, and prepared the Geotechnical Foundation Exploration Report for the 100' span bridge.