



Five Rivers Pedestrian Bridge

Montgomery County, Ohio

Client: Five Rivers MetroParks

Contact: Eric Sauer (937) 274-3107

Key Personnel:

Mike Malloy, PE (PM)
 Grant Whittaker, PE
 Dave Traini, PE
 Amy Fahd, PE
 Lauren Hedges, EI

Project Cost:

\$2.3 Million Construction
 \$120,000 Design

Year Completed:

July 2021 Construction
 March 2020 Design

E.L. Robinson's Role:

Prime Consultant
 Structural Design
 Geotechnical Design

E.L. Robinson Engineering has been contracted by Five Rivers Metro Parks and the Montgomery County Transportation Improvement District to provide professional engineering services for the design development and construction plans for a new pedestrian structure in Downtown Dayton. The existing Deed's Point Pedestrian Bridge is a three-span (106'-222'-106') steel bowstring-style pony truss that connects Deed's Point Metro Park with RiverScape Metro Park in downtown Dayton. Since its original construction in 2002, the structure has experienced severe corrosion due to overspray originating from the adjacent Five Rivers Fountain of Lights, a group of five fountains that project streams of water 200 feet high across the confluence of the Miami River and Mad River. The existing bridge is closed due to the severity of the steel truss's corrosion. ELR developed a Structure Type Study (STS) and completed plans for the replacement of the truss structure.