



FAI-22-9.42

Fairfield County, Ohio

Client: Ohio Dept. of Transportation

Contact: Doug Morgan (740) 323-5122

Key Personnel:

Brent Downing, PE (PM)
 Barry Logan, PE
 Matt Cornett, PE, PTOE
 Charles West, PE
 Scott Bing, EI

Project Cost:

\$1.5 Million Construction
 \$310,000 Design

Year Completed:

August 2022 Construction
 August 2020 Design

E.L. Robinson's Role

Prime Consultant
 Roadway Design

E.L. Robinson Engineering (ELR) was selected by ODOT District 5 to evaluate alternatives and redesign the intersections of U.S. Route 22 with State Route (SR) 159, and County Route 30 (Delmont Road). ELR performed an abbreviated Feasibility Study to study four intersection configurations to improve safety at the existing closely spaced intersections. Alternatives considered included a single five-legged roundabout, two closely spaced roundabouts, a realignment of SR 159 to connect to Delmont Road north of U.S. 22, and a realignment of SR 159 to the west to create more separation between intersections. ELR developed preliminary designs, completed traffic analysis, and estimated costs for each of the options. The displays created for the public involvement meeting presented the alternatives with the Preferred Alternative being the closely spaced double roundabout. Detailed design plans are currently under development for the double roundabout option, which features two single lane roundabouts with high-speed approaches on each end. The project will also have drainage improvements to two adjacent ducts. Plans will coordinate with the construction of a future gas station on the corner of Delmont Rd and U.S. 22