



Jefferson Road Design Build Kanawha County, West Virginia

Client: Kokosing Construction Company
Contact: (304) 241-1966

Key Personnel:

Jim O'Leary, PE
Matt Cornett, PE, PTOE
Rick Rockich, PE
Tim Sheldon, PE

Project Cost:

\$47 Million Construction
\$4 Million Design

Year Completed:

December 2021 Design

E.L. Robinson's Role:

Prime Consultant
Roadway Design
Bridge Design
Geotechnical Design
Hydraulic Design

To relieve the current and future traffic congestion along Jefferson Road (WV601), the Department of Highways (DOH) planned to use this design build project to realign Jefferson Road from US 119 to US 60 including providing new structure over the Kanawha Turnpike and CSX dual rail lines. Teamed with Kokosing Construction Company, E.L. Robinson Engineering (ELR) led the successful design efforts from the Columbus, Cleveland, and Charleston offices. The interoffice team held regular coordination meetings, utilized file sharing sites, and worked as a team to seamlessly deliver the project through the design phase.

With the proposed improvements, the existing signalized offset intersection with Jefferson Road and the Kanawha Turnpike was eliminated. To maintain access to the Turnpike, connector roads were designed with a multilane roundabout also located under the structure. As the successful designer, our team optimized cut slopes, minimized structure length, and extensively review the maintenance of traffic impacts. This project will widen the two lane urban arterial to five lanes, add a shared use path, install new curb and gutter with a closed drainage system, improve traffic control, and install new water and sanitary facilities within the project's 1.5 mile corridor.