

Jefferson Rd. & RHL Blvd. Connector

Client: WV Department of Transportation/Highways



Project Location:

Kanawha County, WV

Key Personnel:

Faheem Ahmad, PE, PS, SE

Matt Cornett, PE, PTOE

Scott LeRose, PE

Jim O'Leary, PE

Tom Rayburn, PS

Rick Rockich, PE

Tim Sheldon, PE

Project Cost:

\$47 million (construction)

\$4 million (design)

Year Completed:

2025

To relieve the current and future traffic congestion along Jefferson Road (WV601), the Department of Highways (DOH) planned to realign Jefferson Road from US 119 to US 60 including providing new structure over the Kanawha Turnpike and CSX dual rail lines.

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 multi-lane roundabout also located under the structure. As the successful designer, our team optimized cut slopes, minimized structure length, and extensively reviewed the maintenance of traffic impacts. This project widened 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.

E.L. Robinson, teamed with Kokosing Construction Company, lead the successful design efforts. An interoffice team from the Columbus, Cleveland, and Charleston offices held regular coordination meetings, utilized file sharing sites seamlessly delivering the project through the design phase.

ELR's Role: Prime Consultant, Roadway Design, Bridge Design, Geotechnical Design, and Hydraulic Design