



WOO/LUC-75-30.70/0.00 Ramp 1-D VECP

Toledo, Ohio

Client: Kokosing Construction Co.

Contact: Kevin Gothberg, (614) 228-1029

Key Personnel:

Matt Cornett, PE, PTOE

Barry Logan, PE

Erik Brokamp, PE

Project Cost:

\$187 Million Construction

\$282,500 Design

Value Engineering Savings:

\$1.5 Million

Year Completed:

July 2023 Construction

Augusts 2020 Design

E.L. Robinson's Role:

Value Engineering Design
of Ramp Alignment

E.L. Robinson Engineering worked on a VECP for the WOO/LUC-75-30.70/0.00 project, which reconfigured the northbound Miami Street interchange ramps with I-75 in Toledo, Ohio to avoid unsuitable material and solid waste that may have been encountered during construction of the original configuration. The material removal had particular constraints on its removal and disposal that drastically increased project costs. A revised alignment for the northbound entrance ramp, Ramp 1-D, was proposed to avoid the environmental and geotechnical issues associated with the property. The reconfigured Ramp 1-D was to be a loop ramp that not only avoided the material issues on the northeast quadrant but also eliminated the curved ramp structure connecting Miami St. to the I-75 Maumee River bridge. An Interchange Modification Study (IMS) was completed for the revised layout to ensure traffic operations performed and the original configuration. ELR modified over 200 sheets in the large plan set while updating various drainage, MSE wall, signal, and traffic control items associated with the reconfiguration. The VECP projected to save \$1.5 million.