

DGL Consulting Engineers, LLC

Project Name:

LUC-280-2.31
Maumee River Crossing Approach Project

Client Name:

ODOT, District 2

Const. Cost:

\$13,500,000



Description:

The LUC-280-2.31 project provided for construction of the southerly roadway approach to ODOT's Maumee River Crossing in Toledo and Oregon, Ohio. The project was especially challenging as it consisted of an elevated alignment through the primarily residential area of Oregon, Ohio. In addition to the many design responsibilities of this project, DGL also maintained coordination with ODOT's Project Management Consultant and the other two consulting firms that were concurrently designing the adjoining new cable stay bridge and the adjacent south terminus of the overall project corridor.

As prime consultant, DGL completed all project phases (except geotechnical engineering) including:

- 0.50 miles of six lane mainline & 1.25 miles of access ramp pavement
- 6100 feet of retaining walls (MSE, Soldier Pile and conventional CIP concrete)
- Single span steel bridge replacement with wall type abutments
- Right-of-Way plans for multiple takes from 10 owners along the project corridor

Highlights:

- Complex MOT due to high traffic volume and the need to maintain two lanes of interstate traffic at all times.
- Complex bridge geometry that required superelevation transitions through the bridge
- Aggressive Design Schedule

*ODOT Rating Comments: "Plan was produced on an accelerated schedule for FY sale reasons."
"The consultant was very good."*



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