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# Richard J. McGuckin, P.E.

*Principal*

***Registration:***

Professional Engineer, Ohio (First Registered: 1990)

***Education:***

University of Toledo, Bachelor of Science in Civil Engineering, 1985

***General Qualifications:***

Rick was employed by DGL upon graduation from the University of Toledo in 1985 and was initially assigned to DGL's bridge design group. Rick gained 5 years of bridge and related structure design before moving into DGL's roadway design group. His responsibilities grew along with his experience. As Director of Transportation for DGL, Rick still performs the role of project manager on large projects and assists other engineers in his role as chief roadway designer. Rick is acutely aware of budgets and schedules, and manages both through the use of DGL's project scheduling and financial software.

***Transportation Experience:***

**U.S. 24 (Fort to Port) Improvements, ODOT- District 2, HEN/LUC-24-10.42/0.00, Napoleon to Waterville, Ohio**

Mr. McGuckin is responsible for the overall direction and coordination work associated with the development of roadway design and plans for the entire project. As a principal of DGL, he also directs work involved in the production of construction plans for DGL's project section. Additionally, he serves as DGL's Project Manager and Lead Roadway Engineer for the project.

**LUC-280-2.31, ODOT – District 2, Toledo, Ohio**

Served as Project Manager and chief roadway designer for the widening and reconfiguration of I-280 at the south approach of the Maumee River Crossing Project. The project consisted of design of six lanes for I-280, two new interchange entrance and exit ramps, structure replacement, railroad structure rehab, MSE and soldier pile wall design, and side road reconfigurations. This project also involved extensive coordination with the neighboring design projects.

**Airport Highway Widening, Holloway Road to Holland-Sylvania Road, ODOT – District 2, LUC-2-14.210, Toledo, Ohio**

Served as Project Manager and chief roadway designer for the widening of 1.6 miles of SR 2 (Airport Highway). The project consisted of full depth pavement design for six lanes plus turn lanes, a median barrier with lighting, dual closed drainage system, new stream crossing structure and a deck replacement. Project was located within a congested shopping region; plans were developed to maintain access to the businesses during all phases of the project.

**Airport Highway Widening, Reynolds Road to Byrne Road, ODOT – District 2, LUC-2-11.68, Lucas County, Ohio**

Served as Project Manager and chief roadway designer for the widening of 2.1 miles of SR 2 (Airport Highway) located within the City of Toledo. The project involved coordination between ODOT, City of Toledo, and the neighboring metropark. The project consisted of replacing a two lane roadway with a five lane roadway. Included with this project was major drainage improvements, numerous intersection and drive details, a paved bikeway, and signal design.

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**WOO/SAN-20-12.36/0.00, ODOT – District 2, Wood & Sandusky County, Ohio**

Served as Project Manager and chief roadway designer for five miles of widening of U.S. 20 between the U.S. 20 / S.R. 420 interchange and Pine Street in Woodville, Ohio. The project included widening from two to five lanes, intersection improvements, numerous culvert replacements, open and closed drainage design, and two structure replacements.

**WOO-20-11.95 - U.S. 20/S.R. 420 Interchange, ODOT – District 2, Wood County, Ohio**

Served as Project Manager and chief roadway designer for the proposed interchange between U.S. 20 and S.R. 420 including Pemberville Road. This project eliminated the at grade intersection of US 20 and SR 420 by use of a partial cloverleaf interchange, a collector distributor road, and another partial cloverleaf interchange at US 20 and Pemberville Road. Also included with this project are two service roads and culvert replacements. The overpass structures rest on MSE walls located beyond the clear zone.

**Ohio Turnpike Commission, Third Lane Construction M.P. 123.50 to M.P. 127.23, Erie County**

Served as chief roadway designer for the widening of 3.8 miles of the Ohio Turnpike. This project replaced the grass median with one additional driving for each direction, a increased median shoulder width, and a concrete median barrier. Included as duties beyond the roadway design was the design of a median barrier retaining wall and the construction inspection of the retaining wall and concrete deck pours.

**Ohio Turnpike Commission Third Lane Construction M.P. 59.52 to M.P. 64.13, Lucas & Wood County**

Served as chief roadway designer for the widening of 4.6 miles of the Ohio Turnpike. The project included the design of pavement widening utilizing the existing alignment and grade, checking and improving the guardrail for current standards, analyzing the side ditches for stability and drainage capacity, and inspection of existing drainage structures. Also included was the widening of mainline bridges and the replacement of the toll ramp overpass.

**Martin Luther King, Jr. Bridge Rehabilitation, City of Toledo, Ohio**

Served as chief roadway designer for the bridge rehabilitation project including improvements to Main Street and Cherry Street. Total roadway length is approximately 0.3 miles.

**C.R. 95 / I-75 Connector, Hancock County Commissioners, Findlay, Ohio**

Served as the chief roadway designer for a four mile long, five lane connector road from Interstate 75 to an Industrial Park. This work included new construction, a large box culvert, closed and open drainage and waterline plans.

**C.R. 138-3.00, Paulding County, Paulding, Ohio**

Served as lead roadway engineer for the reconstruction and widening of approximately 2 miles of pavement, drainage system replacement, guardrail and other associated roadway elements.

***Professional Affiliations:***

Toledo Association of Consulting Engineers  
American Society of Highway Engineers  
American Concrete Institute

***Continuing Professional Development:***

Ohio Department of Transportation Bridge Inspection Seminar, 1986  
Microstation Training, 2004