
Laurie L. Adams, P.E., PTOE

Principal

Registration:

Professional Engineer, Michigan and Ohio (First Registered: 1990)

Professional Traffic Operations Engineer (2005)

Education:

Bachelor of Science in Civil Engineering, University of Toledo, 1986

General Qualifications:

Ms. Adams joined DGL Consulting Engineers, LLC in 1986 and has been assigned to both highway and traffic control projects. She has gained experience in all phases of highway and traffic control design. She was elected Principal in October, 1999. As Director of Site and Traffic Engineering, Ms. Adams currently oversees all traffic studies, traffic control projects and site development projects performed by DGL. She is experienced in traffic control software including Petra, Highway Capacity Software, Synchro, Sim Traffic, Transyt-7F and PC Warrants. As project needs warrant, Ms. Adams supplements DGL's roadway design depth.

Site Design Experience:

Civil/Site Design for Daycare Site, Christian Childcare, Inc., Oregon & Perrysburg, Ohio

Provided survey, drainage, parking lot design, site grading, sanitary sewer and water line design for a new day care site known as "The Gathering Place".

Civil/Site Design for Levis Commons Town Square, Dillin Development, Inc., Perrysburg, Ohio

Provided design of parking, sidewalk, roadway, lighting, streetscape, sanitary sewer, water line, storm sewer, private utility routing and traffic control for the Levis Commons Development.

Civil/Site Design for Retail Development, Oravec Consulting & Engineering Services, Sylvania Township, Ohio

Provided redesign of drive entrances and traffic control for the Giant Eagle center in Sylvania Township.

Traffic Experience:

LUC-McCord Road, Lucas County Engineer, Toledo, Ohio

Traffic control devices including signing, pavement marking and signals from just south of Airport Highway through Angola Road and from Sylvania Avenue to Brint Road.

Access Management Study for Central Avenue (U.S. 20), Sylvania Township, Ohio

Traffic counts, accident analyses, capacity analyses, recommendations for an access management plan for the portion of Central Avenue located within Sylvania Township limits.

US20A/Menards Access Road, Maumee Valley Planning Organization, Defiance, Ohio

Length 0.25 miles, intersection improvement provided turn lanes for new access road for Menards Distribution Center in Williams County, Ohio. Project included intersection signalization.

Triad Business Park, Lucas County Engineer, Toledo, Ohio

Traffic Impact Study including traffic projections, traffic signal warrants, capacity analyses, and impacts on existing and proposed adjacent roadways. Study was later expanded to include a larger area of development.

Safety Study – Alexis/Lewis, City of Toledo, Ohio

DGL completed a safety study for the Alexis Road/Lewis Avenue intersection in conjunction with a State Farm Insurance Grant. DGL teamed with Hamilton Road Safety Inc. to complete the study. Traffic safety procedures conducted by the DGL/Hamilton Associates team included intersection geometrics analyses, crash analyses, capacity analyses, human factors analyses, identification of deficiencies, feasible countermeasure identification and economic analyses.

Sylvania Schools Bus Garage & Support Services Complex, Lucas County Engineer/City of Sylvania, Sylvania, Ohio

Traffic study for a proposed bus garage, support services complex and proposed commercial development including traffic projections, traffic signal warrants, capacity analyses, and impacts on existing adjacent roadways.

Miscellaneous Traffic Impact Studies

Traffic Impact Studies for national retailers including Wal-Mart, Meijer, Home Depot, Menards, Rite Aid and Walgreen's. Traffic Impact Studies for national restaurant chains including McDonald's, Wendy's, Tim Horton's, Starbucks, and Chipotle. Traffic Impact Studies for development companies, such as Ramco-Gershenson, Bostleman Corporation, and Dillin Corporation. All studies included traffic projections, traffic signal warrants, capacity analyses, and impacts on existing adjacent roadways.

Roadway Experience:

Michael Owens Way, Dillin Development, Inc., Perrysburg, Ohio

Project Manager and lead designer for the new divided, landscaped roadway in the Levis Commons Development. Project length totaled 0.41 miles and extended from Roachton Road to O-I's World Headquarters. The project included utilities, streetscape, landscape, entrance walls, drainage, SWP3 Best Management Practices, lighting and traffic calming features, as well as construction oversight.

Seaman Road/Norfolk Southern Grade Separation, City of Oregon, Ohio

Project Manager for the final development phase of this project, with specific responsibility for Seaman Road and relocated Lallendorf Road roadway design.

Wheeling Street, Woodville Road to Navarre Avenue, City of Oregon, Ohio

Project Manager for 14-step project development procedure. Work includes widening of Wheeling Street and interchange modification study for a new bridge and interchange reconstruction at I-280.

DEF-24-7.96, ODOT – District 1, Defiance Ohio

Project Manager and lead project engineer for all phases of the project performed by DGL. Work performed by DGL included: new roadway to connect West High Street to Ralston Avenue (S.R. 15/18) – 0.9 miles long; widening of West High Street to provide turn lanes at its junction with new connector road – 0.3 miles; and the realignment of Harding Street to intersect with new connector road – 0.05 miles. Traffic signalization at U.S. 24-S.R. 15/18 ramp junctions and S.R. 15/18-Defiance Hospital and high mast lighting modifications due to the realignment of all interchange ramps was also included.

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

Served as Lead Traffic Engineer for the 2.1 mile widening of Airport Highway from Reynolds Road to Byrne Road in the City of Toledo, Lucas County. The project consisted of widening Airport Highway from 2 lanes to 5, as well as the inclusion of a paved bikeway. Traffic control features included: pavement marking, signing, maintenance of traffic, signalization of four signals and fiber optic interconnect.

Professional Affiliations:

American Society of Civil Engineers
Technical Society of Toledo
American Society of Highway Engineers
Institute of Transportation Engineers
Illuminating Engineering Society of North America
ASCE Young Engineer of the Year, 1994
Sylvania Township Land Use Amendment Committee-2004 to present
Lucas County Access Management Advisory Committee-2004 to present
TMACOG TIP Committee-2006 to present

Continuing Professional Development:

Highway Capacity Software Seminar, 1990
Access Management Seminar, 1995
Traffic Counting Seminar, 2000
Effective Roadway Lighting, 2001
Advanced Synchro Seminar, 2002
Fiber Optic Design Course, 2003
Microstation Training, 2004
ODOT Traffic Academy-Interchange Justification Studies, 2004
ODOT Traffic Academy-Safety Studies Training, 2004
ODOT Traffic Academy-Lighting Training, 2004
ODOT Traffic Academy-Signing and Pavement Marking Training, 2005
ODOT Traffic Academy-Maintenance of Traffic Training, 2005
ODOT Project Development Process (PDP), 2005
Modern Roundabouts As A Traffic Signal Alternative, 2006
National Traffic Signal Report Card Seminar, 2006
Roundabout Design Workshop, 2006