



# LORI L. QUIGG, PE

President/ Project Manager

## EXPERIENCE

### Quigg Engineering Inc.

Jacksonville, IL

06/2006 - Present

Founder of Quigg Engineering Inc. Pre-qualified in Freeways, Roads and Streets, Construction Inspection, Traffic Signals and Traffic Studies, Location and Design Studies (Rehabilitation), Landscape Architecture, Route Surveys, Land Surveys, Environmental Assessments, and Highway Structures: Simple and Typical.

#### Technical Supportive Services - IDOT

Provides technical supportive services to Disadvantaged Business Enterprises (DBE) to Certified DBE Contractors throughout the State of Illinois.

#### PTB 147/20, Phase I/II for US 34 from Sandwich to Plano, IDOT District 3 – 2008/2009

Project Manager for completion of topographic survey, traffic counts at 8 intersections using HiStar NC-90 traffic counters plus manual counts of peak hours and preparation of IDS'.

#### PTB 144/26, Phase II for I-55 & I-72, IDOT District 6– 2008

Prepared roadway plans, specifications and estimate, including Maintenance of Traffic and Stage Construction details for two structure replacements over Interstate 55 around Springfield.

#### PTB 144/35, Phase II for IL. 128 over Wolf Creek, IDOT District 7– 2008

Prepared the roadway design, cross-sections, typical sections and quantities.

#### PTB 114/26, Traffic Signal Design, FAP 332 (IL 1/17) – Momence, IL., IDOT District 3– 2007 through 2008

Prepared Traffic Signal Designs for 4 intersections for IDOT District 3 in the City of Momence, Illinois. Signal designs included plan sheets, cable diagrams, temporary signal plans, special provisions and quantities for 4 intersection locations.

#### Traffic Study Report, Settler's Ridge Subdivision, Ogle County, IL.

Prepared Traffic Study Report to determine the impacts of the new subdivision on the intersection of IL Route 64 and Daysville Road.

#### Traffic Studies, Indian Trail Road, City of Aurora, IDOT District 1 – QC/QA Manager

QA of 5 IDS's along Indian Trail Road including interconnect and geometric improvements.

#### PTB 144/11, Traffic Studies, Various/Variou, IDOT District 1–2007 through 2008

Traffic Capacity and Warrant Analyses at various locations throughout District 1.

#### PTB 143/ 18 Various/Variou Phase I Reports, District 6–2007 through 2008

Prepared Phase I Reports for IL 96 over Branch Creek and Riley Creek in Hancock Co.

#### PTB 143/23, Horseshoe Lake Road, Madison County, IDOT District 8–2007

Prepared Maintenance of Traffic plans for Horseshoe Lake Road and the I-255 interchange. This included staging traffic to allow for raising the profile grade 2.5', removal and replacement of medians and shoulders, widening to the inside and adding lanes.

#### IL-MFT Local Program, City of Belleville, IL

Prepared bid proposal and contract documents for the City of Belleville local programs funded through the Bureau of Local Roads and Streets of the Illinois Department of Transportation (IDOT) for asphalt patching, concrete patching, drainage maintenance, joint sealing, and pavement markings.

#### 11th Street Extension, Belleville, IL.

Completed all construction inspection for a suburban 1,700 foot long concrete pavement with inlets, curb and gutter, storm sewer, sidewalk and detention pond for the 11th street extension from the Frank Scott Parkway West, including the preparation of daily field inspection reports, weekly progress reports and all contractor pay estimates.

**Illinois Department  
of Transportation**  
Bureau of Materials &  
Phys. Research  
04/1994 - 05/ 2000

Coordinated and chaired the QC/QA Technical Working Group. Co-developed and taught QC/QA classes, developed and wrote material specifications for Bituminous Concrete QC/QA and Super pave Guidelines, coordinated various technical working groups. QC/QA Bituminous Level I, II, & III certified. Representative for the BMPR as construction inspector. For QC/QA start-ups of Bituminous Concrete projects throughout the state. Primary investigator of polymer modified bituminous concrete and Hot In-Place Recycling for the Bureau. Followed each procedure through construction on various projects and developed material specifications and procedures for each. Gave oral presentations on technical findings to various IDOT audiences.

**Hurst-Rosche Engr.**  
Benton & Assoc.  
05/2000-04/2006

Experience with Illinois Department of Transportation (IDOT) includes both Phase I planning and Phase II final design engineering, preparation of project reports, intersection/interchange design studies, signal design, drainage studies, contract plans, specifications, and updating of materials documents.

Lakeland College, Hot Mix Asphalt Level III Manual - 2000

Updated/revised the HMA Level III Manual to reflect current policy and procedures set by the Illinois Department of Transportation's Bureau of Material & Physical Research.

IDOT, BMPR, Manual of Test Procedures for Materials – 2001

Updated and revised the Test Procedures manual to reflect current test procedures set by the Illinois Department of Transportation's Bureau of Materials & Physical Research.

FAP 595 (IL 5), Section 142R, Rock Island County, Job No. P-92-082-01, PTB #124-011– Project Engineer

Prepared 4 Intersection Design Studies for John Deere Expressway. Also prepared and submitted detailed plan views of compressed diamond interchanges and single-point urban diamond interchanges at 3 locations for the Interchange Type Study submittals; this included full design of entrance/exit ramps, auxiliary lanes, turning radii, island and stop bar locations, pavement marking, and submittal of Autoturn data. Interchange Design Study of single-point urban diamond interchange at 1 location including all of the above plus Highway Capacity Analysis and phase diagrams. Preparation of Phase I accident analysis, traffic management analysis, and access control report.

## EDUCATION

Bachelor of Science - Civil Engineering Southern Illinois University – Carbondale, 1991

IDOT Professional Advancement of Career Engineers, 1993-1995

Aggregate Technician (5-day) Certified, June 1994

Hot Mix Asphalt Level I Certified, June 1994

Hot Mix Asphalt Level II Certified, June 1994

Nuclear Density, June 1994

Hot Mix Asphalt Level III Certified, January 1995

NHI 13144, Hot Mix Asphalt Production Facilities Training

IDOT S33, Standard Earth Density

IDOT S42, Fundamentals of Surveying

IDOT S18, Pavement Patching

IDOT S11, Bituminous Concrete Field Inspection

IDOT Fundamentals of Drainage Studies, April 2005

IDOT Documentation of Contract Quantities, November 2006, #07-0140

PCC Level I Certified, December 2006

PCC Level II – Certified, March 2007

Materials Management for Resident Engineers, October 2007

Context Sensitive Solutions, February 2007

Storm Water Erosion & Sediment Control for Highway Projects, March 2009

## REGISTRATION

Licensed Professional Engineer - Illinois - #062-050803