



OUR SERVICES

- Bridges & Structures
- Construction Inspection & Material Testing
- Environmental Studies & Permitting
- Surveying
- Transportation/Civil Engineering
- Traffic Studies
- Aviation
- Site Development

LICENSES / REGISTRATIONS

- 24 Professional Engineers
- 3 Professional Land Surveyors
- 3 Professional Structural Engineers
- 2 Professional Traffic Operations Engineers

***Quality with
Excellence and
Integrity***



QUIGG ENGINEERING INC

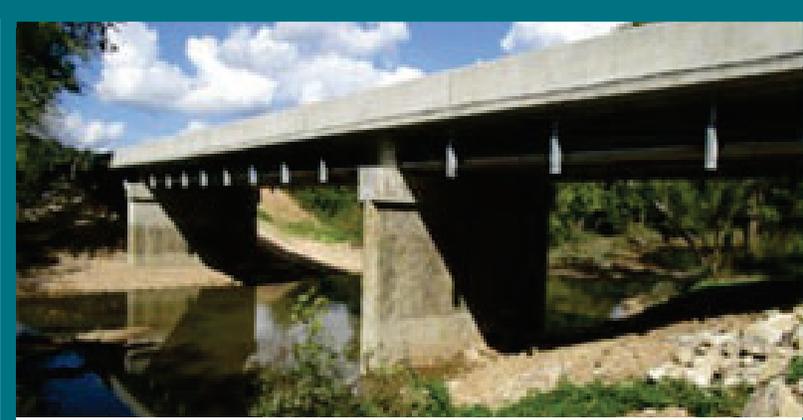
Quigg Engineering Inc. (QEI) has been proudly serving public and private sector clients since 2006 including those located in Missouri when we opened our St. Louis office in 2016. With a team of over 90 professionals across the Midwest, we specialize in a wide range of infrastructure services, including highway and bridge design, land surveying, environmental studies and permitting, site development, traffic engineering, aviation, and construction inspection. Our mission is to exceed client expectations by delivering high-quality projects on schedule and within budget—driven by the expertise and integrity of our dedicated staff.

LOCATIONS

Headquarters: Springfield, IL
2351 S. Dirksen Parkway
217-670-0563

- St. Louis, MO
- Jacksonville, IL
- LaGrange, IL
- West Chicago, IL
- Middleton, WI
- Heinston, LA
- Meridian, ID
- Columbia Heights, MN

BRIDGES & STRUCTURES



Route 94 Bridges over Smith & Lost Creeks
MoDOT NE District, Warren County, MO
Construction Cost: \$1.5M

- Completed the sounding layout sheets, bridge memorandums, final bridge plans and preliminary, right-of-way and final roadway plans for two bridge replacements.
- New bridge over Smith Creek is a 187-foot 3-span NU-girder structure.
- New bridge over Lost Creek is a 128-foot 2-span NU-girder structure.
- Additional work included safety improvements, new entrance and side road connections.



Route B over Ten Mile Creek
MoDOT SE District, Carter County, MO
Construction Cost: \$1.1M

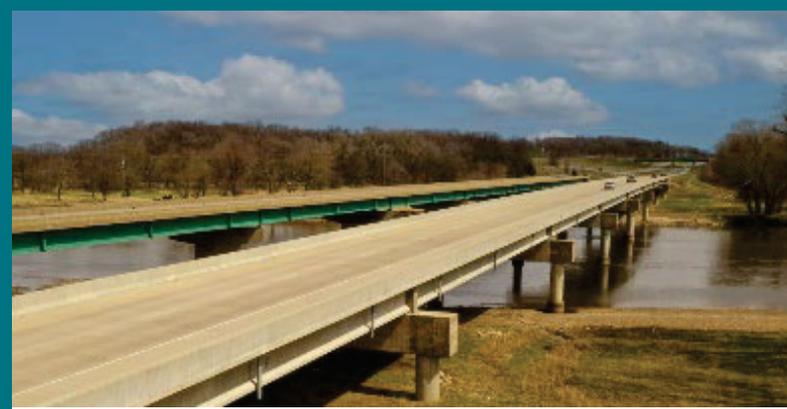
- Completed Hydraulic Report, Preliminary and Final Plans for the bridge replacement.
- New bridge is a 114-foot, 3-span with a spread box beam superstructure with pile cap bents and integral end bents.
- Completed Preliminary, Right-of-Way and Final Plans for the approach roadways.
- Conducted boundary analysis to re-establish the existing right-of-way.
- Conducted topographic and hydraulic survey.

CONSTRUCTION INSPECTION & MATERIAL TESTING



IL Route 3 Waterloo Bypass
IDOT District 8, Monroe County, IL
Construction Cost: \$22M

- Performed the construction inspection services for the widening from two lanes to five lanes of full-depth hot mix asphalt pavement along IL Route 3.
- The project included inspecting box culverts, earth excavation, lime stabilization, storm sewer, bike trail, pedestrian tunnel, noise wall, roundabout, drainage, and signalized intersections.



Bridge Replacement over Cedar River
IADOT District 6, Cedar Rapids, IA
Construction Cost: \$10.3M

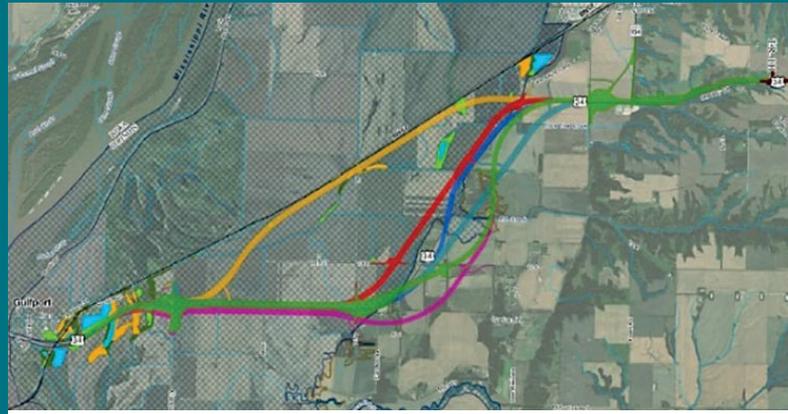
- Performed the construction inspection for the replacement of the historic eastbound Cedar River Bridge along Highway 30.
- Supervised the construction, reconstruction, resurfacing of embankments, and the adjoining roadway pavement sections.
- Directed the full-depth pavement patching, drainage systems, and coordinated landscape restoration efforts.

ENVIRONMENTAL STUDIES & PERMITTING



US 67 Safety Improvements
MoDOT SL District
St. Charles County, MO

- Delineated wetlands across multiple seasons under two separate on-call Work Orders. QEI delineated a 51-acre project area in 2020 and a 98-acre project area in 2024.
- Performed desktop review and area reconnaissance to evaluate jurisdictional connectivity of aquatic resources.
- Coordinated with MoDOT and USACE to obtain concurrence on the aquatic resource report findings and jurisdictional connections.



US Route 34 (FAP 313)
IDOT District 4
Henderson County, IL

- As part of the project team with WSP, QEI provided critical support for the completion of the Supplemental EIS for a 9-mile section of US 34, with 6 miles located within the Mississippi River floodplain
- Led the alternative evaluation, presented at public meetings, and contributed to EIS sections for farmland, ecology, special waste, and community impacts.
- Coordinated with agencies and developed EIS exhibits.
- Performed TNM 2.5 modeling, authored the noise study report, and completed noise validation work in the field.

TRANSPORTATION



MO Route 79
MoDOT NE District, Ralls and Pike Counties, MO
Construction Cost: \$8.5 million

- Prepared preliminary and final design plans for 24 miles of shoulder widening, new guardrail, resurfacing, and ADA improvements.
- Designed multiple sidewalk and ADA improvements for 17 intersections through Louisiana.
- Addressed drainage issues associated with sidewalk and ADA improvements.



IL Route 75 Rock River to IL Route 2
IDOT District 2, Winnebago County, IL
Construction Cost: \$9.3M

- Designed ADA complaint sidewalks for bicycle/pedestrian accommodations including the implementation of the Complete Streets Policy and access to 100-year-old buildings.
- Designed roadway, multi-use path, geometrics, pavement, drainage, signing/stripping, earthwork, and erosion control.
- Served as sole designer, completing field surveys, ROW plats, and construction documents

SURVEYING



MO Route 100 over Shawnee Creek
MoDOT CN District, Osage County, MO
Construction Cost: \$708,000

- Conducted topographical and hydraulic surveys, boundary research, and established existing right-of-way.
- Prepared property plats for new right-of-way taking.
- Developed the preliminary and final bridge plans.
- Developed preliminary, right-of-way, and final plans for the approach roadways
- Prepared drainage plans and added backflow preventers to keep the water in the drainage canal from entering the ditches.



Big Bend over Interstate 44
MoDOT SL District, St. Louis County, MO
Construction Cost: \$7M

- Set survey control and conducted, topographic, utility surveys using a combination of LIDAR and conventional methods.
- Established existing right-of-way and property lines through field work, courthouse document research and as-built plans.
- Designed integral end bents for the bridge replacement.
- Developed ITS layout throughout the project including fiber splicing details.

TRAFFIC STUDIES



NDLSD, E. Grand Ave to W. Hollywood Ave
CDOT, Chicago, IL

- Updated the 2007-2011 crash data information to compile two new reports. The study included identifying hot spots, observation of potential causes, and recommendations for countermeasures.
- Obtained, compiled, and analyzed additional crash data (2012-2016) to produce a Crash Validation Memorandum.
- Assisted with the evaluation of conceptual design alternatives for the overall mainline cross-section of NDLSD throughout the corridor and interchange configuration alternatives.



IL 43 Harlem Avenue
IDOT District 1, Cook County, IL
Construction Cost: \$26M

- Traffic Analysis: Reviewed and balanced data, prepared exhibits, and coordinated with CMAP.
- Geometric Studies: Modeled existing, No-Build, and three alternatives for five intersections.
- Intersection Design: Completed AM/PM capacity analyses.
- Bridge Inspection: Prepared abbreviated BCR for SB Harlem over RR.
- Feasibility Study: Evaluated sidewalk widening and bridge load ratings over CNRR and CSS Canal.