



MICHAEL J. TRELLO, PE, SE

Senior Project Manager/Structural Engineer V

EXPERIENCE

Quigg Engineering, Inc.

Springfield, IL
10/2010—Present

Chief Structural Engineer and Springfield Office Manager responsible for daily design activities and all structural projects. Mike is qualified as a Program Manager for the NBIS bridge inspections required by the FHWA. Mike's experience includes interstate bridge planning and design; pedestrian bridge planning and design; NBIS bridge inspection, evaluation and reporting; water tower design and inspection; commercial building design, inspection and evaluation; residential structural inspection and evaluation; foundation design for signs, tanks, storage/mixing bins, etc. and design of temporary and permanent soil retention systems.

Specific Project Experience

PTB 159/25 IL 116 (Harmon Hgwy) over UPRR, Kickapoo Creek and Creek Road, Peoria County

Project Manager for providing Structural Engineering Support to the Prime. Scope of services include full NBIS inspection of the existing structure, analysis and rating the existing structure and assisting with BCR recommendations for the repair or reconstruction of the structure.

PTB 159/18 I-74 from 23rd Avenue to Rock River in Moline, Rock Island County

Project Manager for providing Structural Engineering Support to the Prime. Scope of services include preparation of TS&L's for 4 structures along the project.

PTB 158/25 I-55 Business over I-74 SW of Bloomington, McLean County

Project Manager for providing Structural Engineering Support to the Prime. Scope of services include preparation of design calculations for SN 057-0251, QC/QA for the final design plans for SN 057-0251 and QC/QA for the design calculations and plans for SN 057-0253.

PTB 158/13 IL 47 over Virgil Ditch, Kane County

Project Manager for the contract PS&E's for the replacement of the structure carrying IL 47 over Virgil Ditch. Structure to be single span wide flange on integral abutments. Roadway includes profile grade raise and intersection upgrade.

PTB 154/23 IL 84 and US 20 Phase I/II Engineering Services for Structures, JoDaviess County

Project Manager for providing Structural Engineering Support to the Prime. Scope of services include TS&L plan and calculation review for IL 84 over Apple River and adjacent retaining wall.

PSB 10-2-5 Tollway Design Upon Request, Systemwide

Project Manager for providing Engineering Support to the Prime. Scope of services include preparation of contract plans for I-355 and I-88 intermittent pavement repairs, barrier wall repairs and cable median barrier installation.

Greene & Bradford, Inc.

Springfield, IL
06/2005—10/2010

Vice President of the firm and in charge of all transportation and structural projects.

Specific Project Experience

PTB 149/15 and PTB 128/14 - District 3 Various/Variou

Project Manager for work orders to complete several TS&L's, BCR's and down scoped super replacements. Project manager for work orders to analyze scour and provide scour mitigation.

PTB 146/39 and PTB 133/15 - Bridge Office Various/Variou

Project Manager for work orders to rate bridges on both State and Local systems. PM to prepare steel repair plans for a bascule bridge carrying I-290 over the Chicago River. PM for several Major River Bridges NBIS inspection and reporting.

PTB 119/36 IL 33 over West Fork Big Muddy River, Jasper County, IL

QC/QA Officer for Phase II services including ROW plans and contract PS&E's for 11.3 miles of IL 33 and several structures.

PTB 114/23 Illinois 38 over Kishwaukee River, DeKalb County, IL

Project Manager for design of a 3 span RC slab bridge on pile bent piers.

CH 5 (Camden Rd.) over LaMoine River, Schuyler County, IL

PM and designer for PS&E for 5 span steel wide flange bridge on semi-integral abuts.

FAU 8153 (Gordon Dr.) over Grindstone Creek, Village of Chatham, IL

PM for the design PS&E's for the extension of a double box and addition of a third box.

FAS 454 (Bader Rd.) over Dutchman's Creek, Schuyler County, IL

PM for the design PS&E's for a single span steel wide flange bridge on integral abutments.

(Experience cont.)

Illinois Department of Transportation
Bureau of Bridges and Structures
Springfield, IL
05/1999–06/2005

Project Engineer responsible for preparing design calculations and plans for numerous structures of varying size and complexity. Mike was also involved in research on both seismic design and LRFD implementation for the Bridge Office.

Specific Project Experience

IL 29 over Salt Creek SN 065-0501, Menard County, IL

Design Engineer for 10 Span, 3 Unit Bridge. U₁-3 Span PPC-I Beam, U₂-3 Span Plate Girder (Center Span 240'), and U₃-4 Span PPC-I Beam. Special Design considerations including 2 Cofferdams, Pot Bearings, Modular Expansion Joint, and Gage House and attachment

US 24 over Spoon River SN 029-0068, Fulton County, IL

Design Engineer for 4 Span Curved Plate Girder with Haunch.

US 51 along Greenwood Cemetery SN's 058-W010/11, Macon County, IL

Design Engineer for 2 Driven Soldier Pile Walls with Concrete Facing to repair a slope failure.

IL 100 & IL 106 over Illinois River, Florence Lift Bridge, SN 086-0001, Pike & Scott County, IL

Design Engineer for miscellaneous structural repairs to Tender's House and access.

Milan Beltway over Rock River SN 081-0153, Rock Island County, IL

Design Checker for 11 Span Plate Girder Bridge on Drilled Shafts, Deck Flared at one end, Pot Bearings and Modular Expansion Joint.

IL 26 over I-80 SN006-0162, Bureau County, IL

Design Checker for 2 Span Bulb-T on Integral Abutments and Multi-Column Trapezoidal Pier.

US 45 over Dutchman Creek SN044-0058, Johnson County, IL

Design Checker for 3 Span Wide Flange on Integral Abutments and Pile Bent Piers, Seismic Design Zone B.

EDUCATION

Southern Illinois University, Edwardsville, Illinois
Bachelor of Science – Civil Engineering- May 1999

LICENSES

Registered Professional Engineer, Illinois, 2004 #062-057224
Structural Engineer, Illinois, 2006 #081-006334

MEMBERSHIPS

Structural Engineers Association of Illinois
Illinois Society of Professional Engineers