

John P. O'Neill, P.E.

Principal-In-Charge

General Qualifications

Mr. O'Neill has worked as project principal, project manager and lead design engineer on a variety of transportation projects, from complex multi-disciplined projects to simple rehabilitation. John is experienced in the management of all phases of multifaceted design and construction projects from contract negotiation and administration through project closeout. He also has strong knowledge of the standards and practices of federal, state and local regulatory and review agencies.

Years with Baker: 1

Years with Other Firms: 23

Education

B.S., 1989, Civil Engineering, Illinois Institute of Technology

Licenses/Certifications

Professional Engineer - Civil, Illinois, 1994, 062-048834

Experience

North-South Tollway South Extension, Will County, Illinois.

Design Engineer responsible for the design of drainage systems, erosion control facilities, right-of-way acquisition, final specifications, quantities, and preliminary interchange and intersection design studies. This project included the system interchange at I-355 and I-55. Completed innovative preliminary geometrics for the diamond interchange at Boughton Road, which were approved by ISTHA and FHWA.

I-74 over Pope Creek, Knox County, Illinois. *Illinois Department of Transportation, District 4.* Project Manager for new highway bridges on I-74 over Pope Creek in Knox County, Illinois. Epstein's services also include the design of approach roadway, traffic management and preparation of the construction documents. PS&E, surveying and geotechnical engineering services are being provided by sub-consultants. The bridges being designed will replace the existing two-lane, three-span east and westbound structures that have span lengths of 141 feet and 110 feet on tangent alignments. The existing bridges are concrete deck on steel girders, pile bent piers and abutments. The existing bridge superstructures are to be removed and replaced with pre-stressed concrete beams and concrete decks.

U.S. 67 over Henderson Creek North, Mercer County, Illinois. *Illinois Department of Transportation, District 4.* Project Manager for a new highway bridge on US 67 over Henderson Creek in Mercer County, Illinois. Epstein's services include Phase I Engineering for this structure along with the design of approach roadway, traffic management and preparation of the construction documents. PS&E, surveying and geotechnical engineering services are being provided by subconsultants. The bridge being designed will replace the existing two-span structure that has span lengths of 51.67 feet each on straight alignment with a single span. The existing bridge is a pre-stressed concrete superstructure with concrete deck, concrete pile bent pier and closed concrete abutments on wood piles. The proposed structure will include pre-stressed concrete beams, a concrete deck, integral abutments and H-pile foundations.

U.S. Route 34 from Sandwich to Plano, DeKalb and Kendall Counties. *Illinois Department of Transportation.* Project Manager for Phase I and II engineering for the rehabilitation and/or reconstruction and/or widening of US 34 from West of Gletty Road outside Sandwich, IL to Chilton Way east of Plano, IL. The project falls within both DeKalb and Kendall Counties. Initially a Phase I Alternatives study will be performed utilizing IDOT's Context Sensitive Solutions (CSS) policy, environmental processing will use the Environmental Class of Action Determination (ECAD) process to determine the documentation required. The final project report will meet the requirements of a Combined Design Report in accordance with the IDOT

BDE Manual. Upon receipt of design approval, the selected alternative will be advanced to Phase II engineering for development of construction documents.

I -74 over Henderson Creek, Knox County, Illinois. *Illinois Department of Transportation, District 4.* Project Manager for new highway bridges on I-74 over Henderson Creek in Knox County, Illinois. Epstein's services also include the design of approach roadway, traffic management and preparation of the construction documents. PS&E, surveying and geotechnical engineering services are being provided by subcontractors. The single span bridges that are being designed will replace existing two-lane, three-span east and westbound structures that have span lengths of 115 feet and 100 feet on straight alignment. The existing bridges are concrete deck on pile bent piers and abutments. The proposed structures will include pre-stressed concrete beams, a concrete deck, integral abutments and H-pile foundations.

Deerfield Road Bridge Over the East Skokie Ditch, Highland Park, Illinois. *Illinois Department of Transportation, District 1.* Project Principal for super structure removal and replacement of a 72 foot long bridge over the East Skokie Ditch. This is a two span, four lane bridge on a 24 degree skew. The bridge is on a horizontal and vertical curve with super elevated pavement. The tapers of on and off ramps, to and from US 41 are located within the structure and further complicate the vertical and horizontal geometry of the bridge, as well as the maintenance of traffic. Coordination efforts include local utilities, the City of Highland Park, IDOT District 1 and IDOT Springfield Bridge Office. The project includes the preparation of construction drawings, specifications and cost estimate for replacement of super structure, approach slabs, roadway resurfacing, drainage, scour protection at piers, wetland protection, repairs to substructure elements, traffic control detour routing and application for a U.S. Army Corps of Engineers Section 404 permit.

Cottage Grove Avenue Bridges Over I-94, Cook County, Illinois. *Illinois Department of Transportation, District 1.* Project Principal for the design of a new highway bridge on Cottage Grove Avenue over I-94 (Bishop Ford Freeway) in Cook County, Illinois. Epstein's services also include the design of approach roadway, traffic management and preparation of the construction documents. PS&E, surveying and geotechnical engineering services are being provided by subcontractors.

Joe Orr Road Superstructure over IL Route 394, Lynwood, Illinois. *Illinois Department of Transportation, District 1.* Project Principal for superstructure removal and replacement and minor repairs of substructure for four span, non-composite concrete deck on continuous wide flange steel beam structure. As a part of this project the bridge will be raised by nine inches to provide a minimum 15 feet of clearance. Coordination efforts include local utilities, the Village of Lynwood, IDOT District 1 and IDOT Springfield Bridge Office. Epstein is preparing construction drawings, specifications and cost estimate for the super structure replacement, minor substructure repair, vertical realignment of the approach roadway and MOT.

Open Road Tolling Project, Plaza 37 and 51, Chicago, Illinois. *Illinois State Toll Highway Authority.* Project Principal for the reconstruction of Toll Plaza 51 (York Road) and Toll Plaza 37 (Joliet Road) as part of the Illinois State Toll Highway Authority (ISTHA) Open Road Tolling (ORT) Program. The project was delivered on an ultra-aggressive schedule requiring the design team to show its flexibility and adaptability in the face of constantly changing client expectations, site conditions, scope requirements and project delivery methods. The project scope included conversion of the existing conventional plazas to conform to the new ORT concept which allows for full speed operation for I-Pass users. The plazas were completely reconstructed and widened to accommodate the new plaza configuration. The approach pavement to the plazas was also reconstructed and widened along with several bridges. Also included in the scope of services were roadway and plaza lighting design, signing and pavement marking, retaining wall design, drainage improvements, environmental coordination, permit applications and plaza building site design.

U.S. 20, Lake Street, Addison Road to Illinois Route 53, DuPage County, Illinois. *Illinois Department of Transportation, District 1.* Assistant Project Manager and Lead Project Engineer for a Phase II project involving the reconstruction of US 20. Project included complete pavement reconstruction, traffic signal design, drainage improvements, pedestrian accommodations and roadway lighting.