

2019



POEPPING, STONE, BACH &
ASSOCIATES, INC.
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Construction Inspection Team



Michael Purol

Position: President

Professional Engineer (IL, MO) Since joining PSBA, Michael has been responsible for project management of all projects located in the State of Missouri. Michael has nearly 15 years of project management experience.



Matthew Walker

Position: Civil Engineer

Professional Engineer (MO) Matt has provided construction inspections, bridge design services for MoDOT's BRO program, CDBG and Credit Bridges, surveying, and general civil engineering consulting services.



Quinten Gehring

Position: Civil Engineer

Professional Engineer (MO, AK) Quinten's experience includes site characterization, retaining wall design, shallow & deep foundation design, and anchored/guyed foundation systems. He has experience as a geotechnical engineer and a construction management consultant.



Steven Whittaker

Position: Sr. Engineering Technician

Steven is certified as a MoDOT Construction Technician Certified, MoDOT LPA, and MoDOT Technician Certified for Concrete Field Testing. At PSBA, he is responsible for construction inspection on various projects.



James "Skip" Wilson

Position: Sr. Engineering Technician

Skip is responsible for the inspection of bridges throughout the State of Missouri. Before joining PSBA, Skip was employed for nearly 33 years for MoDOT conducting bridge and highway maintenance and inspection.



Dan Wilson

Position: Sr. Engineer Technician

Dan joined the Engineering Team of PSBA in 2010 with 22 years of experience in the Civil Engineering Industries. His specialties include Highway Design, CAD Specialist, Plans and Specification Preparation.

PROJECT SPOTLIGHT

Levee Trail & Mississippi River Overlook, Canton, MO – PSBA completed the topographic survey for design, preliminary plans, final plans, all construction staking services, and assisted the City of Canton in construction observation. The trail runs along the foot of College Street at the north end to the foot of Montgomery Street at the south end.



PSBA has over 50 years of experience in providing a wide range of engineering, architectural, and surveying services. Our team has the experience and the dedication to see a project from the design phase through to the ribbon cutting. Below is a brief description of just a handful of the construction inspection projects that our team has worked on in Missouri, Illinois and Iowa.

Levee Trail & Mississippi River Overlook, Canton, MO PSBA was hired by the City of Canton for the planning, design and construction inspection of 2,200-foot-long walking/hiking trail and a scenic overlook on the top of the existing Mississippi River levee. Design services included topo, property and utility surveys sufficient to develop plans for the project; arranged for subsurface investigations as needed; reviewed possible alternative designs, prepared preliminary plans & cost estimate and recommended to the Local Agency (LA) the best overall general design; submitted preliminary plans, estimates and associated information for review by the LA and MoDOT; prepared detailed construction plans, cost estimates, specifications and related documents as necessary for the purpose of soliciting bids for construction of the project; secured adequate ownership information to determine if additional ROW was required to build, operate and maintain the project; ensured compliance with water quality requirements by coordinating with MO DNR and USACE, and also insured compliance FEMA. Bidding phase included final corrections resulting from reviews by agencies involved and provided adequate number of plans, specification, and bid documents to the LA; provided a list of qualified area bidders and assisted in advertising for bids. PSBA also assisted in evaluating bids and requesting concurrence in award from MoDOT.

BRO Program, Scotland County, MO – PSBA provided professional engineering services for the replacement of two deficient bridges over the Middle Fabius River and North Wyaconda River. Preliminary services included hydraulic study, alignment survey, preliminary and ROW plans and cost estimates. Construction services provided by PSBA included bidding and specification documents, construction plans, inspection services and close-out documentation.

Soft Match Credit and BRO Programs – Monroe and Ralls County, MO PSBA has provided professional engineering services to Monroe and Ralls County, Missouri on numerous BRO and Soft Match Credit projects. Services included preliminary and Right of Way plans, design alternatives and cost estimates. Construction and engineering services included detailed construction plans for in-house construction, bidding and specification documents for contract construction, inspection and material certification services and local agency reimbursement documentation.

Canton Lights & Sidewalk Program, Canton, MO PSBA provided design services for the City's Lights and Sidewalks Program which also included installation of approximately 8-15' tall historic period poles and luminaries. During the design phase, PSBA worked with the City and MoDOT to ensure compliance with the historic preservation requirements through coordination with the MO DNR. PSBA also worked with MoDOT during the bidding phase with final corrections resulting from review by agencies involved and provided plans and specifications to the City. In addition, PSBA provided the construction inspection for this project.

PROJECT SPOTLIGHT

Keokuk Safe Routes to School
– PSBA was hired by the City of Keokuk, IA to provide design and construction engineering services for a Safe Routes to School sidewalk improvement project. The project included construction of new sidewalks along Decatur St, Boulevard Rd and Middle Rd from Hawthorne Elementary School to Keokuk High School. Total length of the project was 2,450 ft. All intersections were constructed with ADA compliant ramps and detectable warnings. Major items of work included approximately 410 c.y. of earth excavation, 960 sq. yd. of 5" thick concrete sidewalk, 77 sq. yd. of 6" thick concrete sidewalk, 150 sq. ft. of detectable warning, 180 sq. yd. of Portland Cement Concrete driveways & traffic control, along with related improvements, including seeding, fertilizing & mulching.



Wabash Street Overlay from ½ Block East of Adams Street to Douglas Street, Carthage, Illinois The City of Carthage retained PSBA to design the overlay for Wabash Street consisting of detailed surveys necessary for the preparation of detailed roadway plans, traffic studies and counts and special intersection studies, make completed general and detailed plans, special provisions, proposals and estimates of costs. PSBA furnished proportioning and testing of concrete mixtures, bituminous mixtures, compaction tests, quality and sieve analyses on local aggregates and inspection of all materials. PSBA also provided a resident engineer, inspector for this project. The work consisted of the removal and satisfactory disposal of the hot-mix asphalt surfaces on the existing roadways, alleys, parking areas and entrances to variable depths. This was replaced with 0 – 3.25 inches of variable depth milling and 3.25 inches of hot-mix asphalt resurfacing. The Hot-Mix Asphalt resurfacing included a 1.25-inch-thick leveling binder course and a 2.0-inch-thick surface course.

Union Ave Roadway Improvement, Moberly Mo PSBA provided construction observation and administration for the reconstruction of Union Avenue. This project consisted of a new box culvert, storm water collection piping/inlets, and concrete curb and gutter pavement. In addition to the roadway improvements, an 8' asphalt trail was constructed leading to the Moberly Area Medical Complex.

Sidewalk/Trail Along Bluff Road, Fort Madison, IA PSBA prepared plans, cost estimates and construction specifications for a bike path/walking trail in the City of Fort Madison, IA. It provides a connection to a trail constructed in conjunction with the U.S. 61 four-lane bypass of the City. The project was bid with asphalt and concrete alternates to ensure the City received the best possible job for the money expended. The City decided to construct the trail 6' wide using Portland Cement concrete. Bids were accepted on the project on September 25, 2001 and the trail was constructed during the fall of 2001. As part of this project, it was necessary to relocate four fire hydrants.

Keokuk Safe Routes to School, Keokuk, IA When the City of Keokuk was awarded FHWA Safe Routes to School funds, they contracted with PSBA to provide professional design services. PSBA worked with the City, DOT, and school to develop construction documents and award a construction contract for these improvements. PSBA was hired by the City of Keokuk to provide design and construction engineering services for a Safe Routes to School, sidewalk improvement project. Design services provided included preliminary field surveys, preliminary plans, check plans, final plans, special provisions, final estimate of costs & project development certification. Construction engineering services included construction staking, construction observation/inspection, on-site materials testing, plant monitoring at the concrete ready mix plant.

5th Street Between Maine & Hampshire Streets, Quincy, IL PSBA completed the topographic survey for the City for design, preliminary plans, final plans, all construction staking services, assisted the City in construction observations.