

November 14, 2013

MoDOT Central Office – Local Programs Administrator  
[MaryAnn.Jacobs@modot.mo.gov](mailto:MaryAnn.Jacobs@modot.mo.gov)

RE: Letter of Interest for  
Trails & Sidewalks

Poepping, Stone, Bach & Associates, Inc. (**PSBA**) welcomes the opportunity to express our interest in providing engineering services for trails and sidewalks for the Missouri Department of Transportation (MoDOT). **PSBA** will provide the highest level of service to MoDOT through our experience, our relationships and our capabilities. **PSBA** has extensive experience in all facets of engineering for trails and sidewalks and we have the qualifications and experience to complete these services in a manner that will more than meet your expectations. **PSBA** is well known for our commitment to getting projects done on time and within budget. In the past year, **PSBA** has completed the Keokuk Safe Routes to School sidewalks in Keokuk, Iowa and the Levee Trail and Mississippi River Overlook in Canton, Missouri. There are more detailed descriptions of these projects below.

Our staff, location, experience and dedication to providing quality -engineering services make us uniquely qualified to undertake this challenging assignment. **PSBA** is an employee owned firm with over 45 years of experience in providing a full range of engineering, GIS and surveying services to governmental, commercial and industrial clients.

**Project Experience:**

- ◆ **Levee Trail and Scenic Overlook, Canton, MO.** PSBA provided engineering services to 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 topographic, property and utility surveys sufficient to develop plans for the project; arranged for subsurface investigations as needed; reviewed possible alternative designs, prepared preliminary plans and cost estimate and recommended to the Local Agency the best overall general design; submitted preliminary plans, estimates and associated information for review by the Local Agency and Missouri Department of Transportation; 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 right-of-way was required to build, operate and maintain the project; ensures compliance with water quality requirements by coordinating with the Missouri Department of Natural Resources and U.S. Army Corps of Engineers, and also insured compliance with the Federal Emergency Management Agency (FEMA). Bidding phase included final corrections resulting from reviews by agencies involved and provided adequate number of plans, specification, and bid documents to the Local Agency; 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 and all construction observation services.
- ◆ **Safe Routes to School, Keokuk, IA.** PSBA provided preliminary survey and engineering services in connection with the design and preparation of plans, specifications and estimates for the improvements. for the sidewalks along Decatur Street, Boulevard Road and Middle Road from Hawthorne Elementary School to the Keokuk High School in accordance with the Safe Routes to Schools Program subject to the concurrence and approval of the Iowa Department of Transportation (Iowa DOT) and the Federal Highway Administration (FHWA). PSBA also provided provide materials testing services in connection with construction of the improvements

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<input type="checkbox"/>	100 SOUTH 54 <sup>TH</sup> STREET	P. O. BOX 709	QUINCY, IL 62306	PHONE 217/223-4605	FAX 217/223-1546
<input type="checkbox"/>	3523 MAIN STREET	P. O. BOX 817	KEOKUK, IA 52632	PHONE 319/524-8730	FAX 319/524-7720
<input type="checkbox"/>	801 BROADWAY, SUITE 224	P. O. BOX 190	HANNIBAL, MO 63401	PHONE 573/406-0541	FAX 573/406-0390

***Developing Partnerships ■ Creating Innovative Solutions ■ Delivering Proven Results***

- ◆ **Sam A. Baker State Park, Paved Bicycle/Pedestrian Access Path, Wayne County, MO.** Design of 8,700 lineal feet of 10' wide paved bicycle/pedestrian access path that will link campground #1 with Campground #2, the Visitor Center, the Park Store and the Dining Lodge. The path is adjacent to State Highway 143, which runs through the main public use area of the park. The purpose of this project was to divert bicycle and pedestrian users onto this path and off of Highway 143. In the past, park visitors used the highway as their access route to park facilities.
- ◆ **Rodeo Park Trails Improvement, Fort Madison, IA.** PSBA provided the design services to the City of Fort Madison for the regrading, widening and overlaying of approximately 7,100 feet of an existing walking trail in Rodeo Park. The existing trail was approximately six feet wide with a gravel surface. In some locations, the grades exceeded the AASHTO recommendations. The new trail was constructed 10 feet wide with two foot shoulders on both sides. An asphalt surface was installed and the grades were adjusted to meet standards. The trail is handicapped accessible and the asphalt surface makes the trail more desirable for bicycles. The improvements made this trail safer and more accessible. The City worked with the Department of Transportation to develop a trail system around the City of Fort Madison and ultimately to surrounding cities. This project was partially funded by Transportation Enhancement Funds administered by the Iowa Department of Transportation.
- ◆ **Reconstruction of North 5<sup>th</sup> Street between Maine and Hampshire Streets in Historic Uptown Quincy, IL.** PSBA provided the design services for the reconstruction of 5<sup>th</sup> Street by the installation of new concrete curbs and gutters, a new concrete sidewalk with brick paving-band on the east side of the street, the installation of historic street lights and other miscellaneous construction items.
- ◆ **Canton Lights and Sidewalk Program, Canton, MO.** PSBA was hired by the City of Canton for the design of their sidewalk program and the installation of eight 15' tall historic period poles and luminaries. During the design phase, PSBA worked with the City of Canton and the Missouri Department of Transportation (MoDOT) to ensure compliance with the historic preservation requirements through coordination with the Missouri Department of Natural Resources and to ensure compliance with all regulations regarding this project. 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 of Canton. Construction inspection was also provided for this project.
- ◆ **Rolling Hills Road Improvement, Boone County, MO.** PSBA led the planning process which included developing a new alignment, facilitating right-of-way acquisition, coordinating geotechnical investigation and relocating several major utilities. The selected urban section includes 4 lane curb and gutter with a raised median, Storm Water collection, a bike lane, sidewalk, and Multipurpose Trail. Final plans included design of a box culvert, closed stormwater system, intersection at State Rte WW, Cottage Lane, and Columbia Gorge Parkway as well as a temporary intersection at New Haven. Signal modifications at the intersection of Rolling Hills Road and State Route WW were included which replaced an existing single loop detection system, with a multiple loop/multiple lane system and added pedestrian signals. PSBA also developed traffic control and staging plans that allowed continuous egress and ingress from the Parkway.
- ◆ **Streetscape for the KROC Center, Quincy, IL.** PSBA was a subconsultant to provide services for Survey and Design for street and right-of-way improvements around the new KROC Center between 3<sup>rd</sup> and 4<sup>th</sup> Street on Hampshire. Site Survey services included field surveying using IDOT Codes and development of base drawings of the project and creating a DTM in Microstation and Geopak using IDOT format and standards. Street Design services include developing plans and specifications in Microstation and Geopak in IDOT format, intersection study, and convert lighting and landscape plans into Microstation format.

### **Key Personnel:**

**Principal-in-Charge** - Charles S. Bach Jr. (SE & PE) has over 42 years of experience in all aspects of structural and civil engineering, bridge design on routine structures including cost comparisons, hydraulics, detailing and structural design.

**Project Manager** - Michael J. Purol (PE) joined PSBA in 2009 and is the Vice President in charge of the Missouri office. He has additional experience working with MoDOT personnel. Michael has project experience in urban and rural roadway design, bridge design, hydraulic analysis of open and close channel flow, sanitary and storm sewer design, drainage analysis, and specification writing.

**Civil Engineer** – Zachary Leach (PE) joined PSBA in 2009. His current engineering duties include road and highway design, site design, environmental, general civil work, and material/construction observation. Before joining PSBA, Zach was previously employed by the City of Edwardsville as an Engineering Technician.

**Civil Engineer** – Nathen Leach (EIT) started at PSBA in 2010 assisting with land and field surveys. Since that time his duties include road and highway designs, site development, environmental and general civil work. He has also worked as a material/construction inspector.

**Electrical Engineer** - Todd Clevenger has designed the electrical for all of the projects above and has over 22 years of electrical design experience. Before joining PSBA in 2000, Todd was as an electrical contractor providing LAN installation for public schools, installation of 3 phase for commercial agriculture plant, residential wiring and trouble shooting, and energy management system in a commercial environment. He was also employed at Glenayre Electronics, Inc. managing the installation of RF paging equipment and was involved with the design of control systems utilizing PLC industrial controls and hydraulic systems of mainframe computer systems. Other responsibilities included inspection and installation of mainframe computer systems on U.S. military installations.

**Sr. Engineering Technician** – Bill Richards has been with PSBA since 2007 upon his retirement as Public Works Director for the City of Keokuk, Iowa. Mr. Richard’s brings more than 36 years of professional experience in municipal government with responsibilities in upper level management, including all aspects of public improvements. Since joining PSBA, Mr. Richards has been involved in the design of numerous street construction projects, the initial planning for storm water separation; the initial planning for domestic water supply; the design for sanitary sewer bar screen systems; construction project inspection for street construction, water main extensions and sanitary sewers extensions, and conceptual design for traffic signal improvements.

PSBA appreciates the opportunity to present our qualifications to perform on-call professional services. If selected, PSBA will provide the quality product that our clients have come to expect from our firm and we will complete the work within your schedule.

Sincerely yours,  
POEPPING, STONE, BACH & ASSOCIATES, INC.



Michael J. Purol, P.E.  
Vice-President of Missouri Office

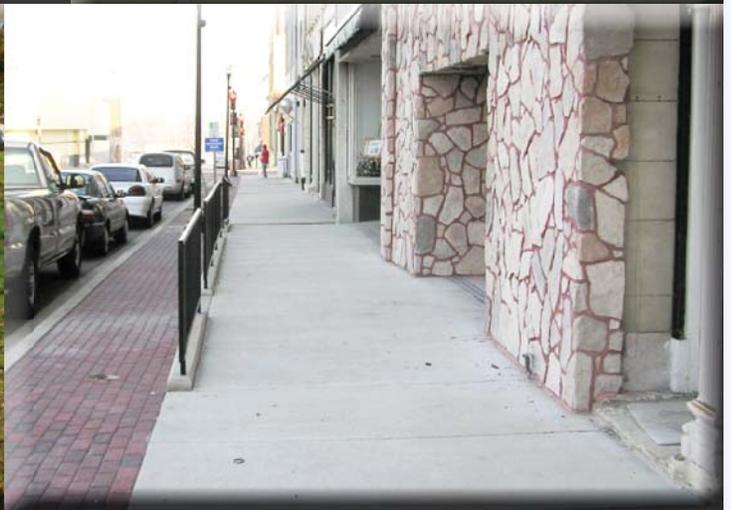
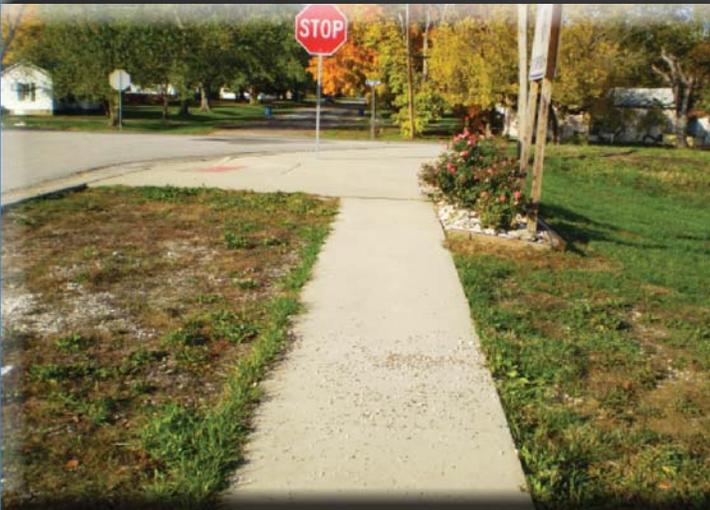
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# PSBA

*Poepping, Stone, Bach & Associates, Inc.*

*Engineers, Architects, Surveyors, GIS*  
[www.psba.com](http://www.psba.com)

*Working with Local Public Agencies Since 1968*  
**Trails & Sidewalks**



*Developing Partnerships* ■ *Creating Innovative Solutions* ■ *Delivering Proven Results*

## Trails and Sidewalks Team



**Position: Executive V.P.**  
Professional Engineer (IL, MO, IA, KS) and a Licensed Structural Engineer (IL). Since joining PSBA, Charlie has been the Corporate Officer in charge of Structural Engineering projects for the firm.

**Charles S. Bach, Jr. P.E., S.E.**



**Position: Sr. Eng. Technician**  
Bill has been with PSBA since 2007. Prior to working for PSBA Bill was the Director of Public Works for Keokuk Iowa. Bill specializes in Street Design/Construction/Inspection, Traffic Signal Improvements, and Storm Water.

**Bill Richards**



**Position: V.P. Missouri Office**  
Professional Engineer (IL, MO). Since joining PSBA Michael has been responsible for Project Management of all project located in the State of Missouri. Michael has nearly 12 years of Project Management experience.

**Michael J. Purol, P.E.**



**Position: Civil Engineer**  
Nathen joined the PSBA team in 2010. His experience includes Municipal Design, Road/Highway, Site Design, Environmental, and General Civil work. Nathen has worked in the field as a survey technician and as a material/construction inspector.

**Nathen Leach, E.I.T.**



**Position: Electrical Engineer**  
Todd specializes in electric and communication design. Todd has experience in signal design, camera detection and security, and street lighting.

**Todd Clevenger**



**Position: Civil Engineer**  
Professional Engineer (IL, MO, IA). Since joining the PSBA team in 2009, Zachary has had extensive experience with Share Use Trails, Safe Routes to School Projects, Site Design, Environmental, and General Civil Work. Zachary has worked in the field as a project engineer and as a material/construction inspector.

**Zachary Leach, P.E.**

Our Design Team will bring over 100 years of combined experience to your project. Our team specializes in transportation related services and will help you complete a successful project on time and budget. Please feel free to contact **Michael Purol in our Hannibal office at 573-406-0541** or Charlie Bach in our Quincy office at 217-223-4605 to discuss your project in more detail.

# Trail Projects



## *Levee Trail & Mississippi River Overlook, Canton, Missouri*

**Client:** City of Canton

**Contact:** Jarod Phillips

**Construction Cost:** \$160,000

**Services:** PSBA completed the topographic survey for design, preliminary plans, final plans, all construction staking services, and assisted the City in construction observations.



## *Sam A. Baker State Park, Wayne County, Missouri*

**Client:** State of Missouri

**Contact:** Office of Administration

**Construction Cost:** \$203,000

**Services:** PSBA completed the topographic survey for design, preliminary plans, and final plans. Project consisted of approx. 8,700 linear feet of 10' wide paved bicycle/pedestrian access path.



## *Rodeo Park Trails Improvements*

**Client:** City of Fort Madison, Iowa

**Contact:** Parks and Recreation

**Construction Cost:** \$215,000

**Services:** PSBA completed the topographic survey for design, preliminary plans, and final plans for improvements to the existing trail. Improvements included widening, replacing gravel surface with all weather HMA surface, and improving grades to meet AASHTO.

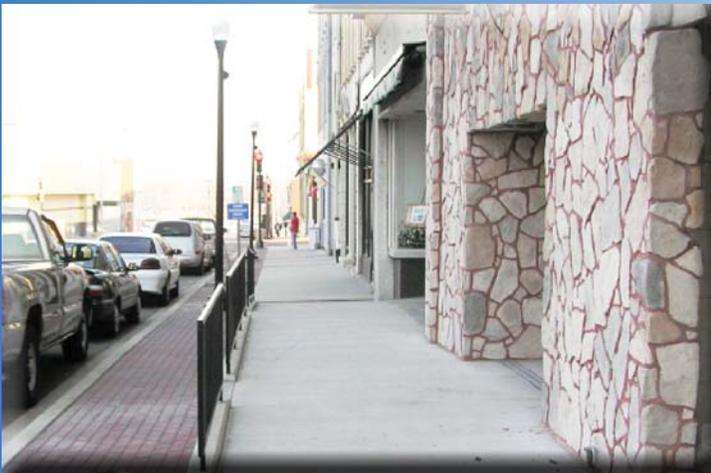
# Sidewalk Projects



## ***Keokuk Safe Routes to School Keokuk, Iowa***

**Client:** City of Keokuk

**Project Data:** 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.



## ***5th Street Down Town Quincy, Illinois***

**Client:** City of Quincy

**Contact:** Martin Wagner

**Construction Cost:** \$170,000

**Services:** PSBA completed the topographic survey for design, preliminary plans, final plans, all construction staking services, assisted the City in construction observations.



## ***Canton Lights & Sidewalk Program Canton, Missouri***

**Client:** City of Canton

**Contact:** Terry Fretwell

**Construction Cost:** \$68,425

**Services:** PSBA was hired by the City of Canton for the design of their sidewalk program. PSBA provided plans and specification to the City and also provided the construction inspection for this project.