

November 14, 2013

MoDOT Central Office – Local Programs Administrator
MaryAnn.Jacobs@modot.mo.gov

RE: Letter of Interest for
Construction Inspection

Poepping, Stone, Bach & Associates, Inc. (**PSBA**) welcomes the opportunity to express our interest in providing engineering services for construction inspection for LPA's through the Missouri Department of Transportation (MoDOT). **PSBA** provides the highest level of service to our clients through experience, our partnerships and our employee's capabilities. **PSBA** has extensive experience in all facets of construction engineering/inspection 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 completing projects on time and within budget. In the past year, **PSBA** has provided construction observation on numerous projects throughout Missouri, Iowa, and Illinois. The most recent projects being 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:

- ◆ **North 18th Street Bridge FAU RT 78214, Quincy, IL.** This project consisted of the design of a new 461' long steel plate girder superstructure supported by a combination of drilled shaft foundation and spread footings on pile over the Burlington Northern Santa Fe RR tracks over Cedar Creek. This project received innovative design funding for the use of galvanizing on all of the steel items including the plate girders, reinforcing steel, bearings, fencing & railing. PSBA conducted the daily inspections, material testing, and shop drawing review for the construction phase of this project.
- ◆ **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

<input type="checkbox"/> 100 SOUTH 54 TH 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

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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. Sidewalks along Decatur Street, Boulevard Road and Middle Road from Hawthorne Elementary School to the Keokuk High School were constructed 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 materials testing services in connection with construction of the improvements
- ◆ **Wabash Street, Carthage, IL.** 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.
- ◆ **2010 Street Improvements, Keokuk, IA.** PSBA was contracted by the City of Keokuk, Iowa to oversee street improvements at various locations in Keokuk. Improvements ranged from simple overlays, to selective pavement removal/repair/base stabilization prior to surfacing overlay to complete pavement replacement. PSBA conducted the design, construction observation and administration for these projects. Due to the size and funding of the projects, the project was completed in phases.
- ◆ **Union Avenue, Moberly, MO.** PSBA provided full time construction observation for the water main extension along Union Avenue and half time construction observation for the reconstruction of Union Avenue in Moberly, Missouri. 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 eight foot asphalt trail was constructed leading to the Moberly Area Medical Complex.
- ◆ **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.

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.

Structural/Civil Engineer – David S. Poland, with his vast experience in foundation and bridge design, will serve as the structural engineer for these types of projects. Mr. Poland was the Project Manager on the North 18th Street Bridge project listed above. He has been or is currently the structural engineer or civil engineer for a variety of projects. His engineering project experience includes: road/highway design, bridge design, water treatment plants, land surveying, investigations, specification writing, estimating, construction observation and management.

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.

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

MJP:js

PSBA

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Construction 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 projects located in the State of Missouri including Transportation and Structural Engineering. Michael has nearly 12 years of Project Management experience.

Michael J. Purol, P.E.



Position: Civil Engineer
Nathen has been with PSBA since 2010. His experience includes design of Road/Highway, Site, Environmental, and General Civil work. Nathen has worked in the field as both a survey technician and material/construction observation.

Nathen Leach, E.I.T.



Position: Structural Engineer
Professional Engineer (IL, MO, IA), Licensed Structural Engineer (IL). David's qualifications and specialties include Structural Design for Industrial and Commercial Projects, Bridge Design, and Inspections and Building Assessments.

David S. Poland, P.E., S.E.



Position: Civil Engineer
Zachary has been with PSBA since 2009. His experience includes design of Road/Highway, Site, Environmental, and General Civil work. Zachary has worked in the field as both a survey technician and material/construction observation.

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.



18th Street Bridge

Quincy, Illinois

Client: City of Quincy

Project Data: This project consisted of a 461' long steel plat girder superstructure supported by a combination of drilled shaft foundation and spread footings on pile. The structure spans across the BNSF Railroad and Cedar Creek. The length of the structure was reduced by approximately 120' by utilizing MSE walls for each approach. PSBA was contracted by the City of Quincy to conduct daily inspections, material testing, and shop drawing review.



Mississippi Levee Trail

Canton, Missouri

Client: City of Canton

Project Data: After completing the design and assisting with the award of the construction contract, PSBA was contracted by the City of Canton to oversee construction observation and administration of the federally-funded project. PSBA conducted inspections and material testing during key milestones of the project, reviewed shop drawings and pay requests, and helped conduct the final inspection.



Keokuk Safe Routes to School

Keokuk, Iowa

Client: City of Keokuk

Project Data: PSBA provided construction observation and administration for the City of Keokuk. The Safe Routes to School project was funded through Iowa DOT and FHWA, for the purpose of improving access to elementary and middle schools in the State of Iowa.



***Wabash Street
Carthage, Illinois***

Client: City of Carthage

Construction Cost: \$300,000

Services: PSBA was contracted to oversee street improvements to several blocks of Wabash Street. Improvements ranged from simple overlay, to selective pavement removal/repair/base stabilization prior to surfacing overlay.



***2010 Street Improvements
Keokuk, Iowa***

Client: City of Keokuk

Construction Cost: \$2.2M

Services: PSBA was contracted to oversee street improvements at various locations in the City. Due to the size of the project and the funding, the project was constructed in 2 phases. Improvements ranged from simple overlays, to selective pavement removal/repair/base stabilization prior to surfacing overlay to complete pavement replacement as shown.



***Union Avenue
Moberly, Missouri***

Client: City of Moberly

Construction Cost: \$1.0M

Project Data: PSBA provided construction observation and administration for the reconstruction of Union Ave. 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.