



**Missouri's
Local
Program**
*for community
development*

COVER SHEET

(This must accompany your firm's letter of interest and does not count in the page limit)

Firm's Full Legal
Name:

HOWE COMPANY, LLC

Firm Contact Name:

SHANNON J. HOWE, P.E., S.E.

Contact Email
Address:

shannon@howecompany.com

Firm's Mailing Address:

804 E PATTON ST

MACON, MO 63552

Work Category:

- Roadway Design
- Trails & Sidewalks
- Construction Inspection
- Traffic Engineering & TEAP
- Structures
- Environmental
- Historic Preservation
- Multimodal Planning / Systems and Facilities Design
- Transportation Planning – **NEW CATEGORY**

December 5, 2025

Ashley Buechter, P.E.
Local Programs Administrator
Missouri Department of Transportation

SUBJECT: LPA On-Call Services - Letter of Interest - Construction Inspection

Missouri's local public agencies will benefit from the addition of Howe Company, LLC to the LPA On-Call list. Our experience with a variety of projects and knowledge of the MoDOT LPA process will help them improve their communities. We also try to make it easy for MoDOT staff.

GENERAL EXPERIENCE OF THE FIRM

Howe Company, LLC (Howe Co) began in 2014. The company has earned repeat work from several clients for local transportation projects. We understand rural needs for funding assistance, and navigating funding programs. Our key staff have 11-30 years' experience.

Since the company was formed in 2014, we have provided construction inspection and contract administration for 125 local agency bridges, 5 sidewalk projects, 10 street/ pavement projects, 4 parking area improvements, 4 building projects, and several water main and sewer main projects.

QUALIFICATIONS OF PERSONNEL

One key to our success has been our All Star Team for local transportation projects. A summary of qualifications for each staff member is enclosed and made part of this letter of interest.

ACCESSIBILITY

In order to complete projects in a short period of time, we have to be responsive to our clients and communicate with them on a regular basis. We provide monthly written updates. Our clients have our cell phone numbers and we have theirs. This allows for prompt and timely communications.

Please contact us with any questions.

A handwritten signature in black ink that reads "Shannon J. Howe". The signature is written in a cursive, flowing style.

Shannon J. Howe, P.E., S.E.
Howe Company, LLC

Summary of Howe Co Construction Phase Personnel Qualifications

Shannon J. Howe, P.E., S.E. – Principal / Manager of LLC / Project Engineer / Structural Engineer

Shannon has 30 years of experience serving Missouri's local governments. He has helped 40 counties address some form of bridge problem in his career. Shannon has served as a project engineer or project manager for about 400 local agency bridge replacements. He has assisted with projects that have been funded by BRO & soft match credit, CDBG, FEMA, MoDOT multi-modal, and local funds. Shannon has experience with every aspect of a bridge replacement project. In addition, he has much experience with roads, streets, sidewalks, parking, and storm water projects. He also oversees all aspects of construction inspection. Shannon is one of few licensed structural engineers (SE) in north Missouri. He has completed the MoDOT LPA training and is certified for both field testing and lab testing of concrete.

Aaron Lukefahr, P.E. – Project Engineer with Howe Co since 2014.

Aaron has over 12 years of experience. He started work on county bridge projects after his graduation from the Missouri University of Science & Technology in Rolla. Aaron is a lead engineer for the structural design of projects and performs many structural calculations for bridge projects and assists with construction inspections, concrete testing, and administration of construction contracts and project closeout. Aaron is proficient with hand calculations, design software, and CAD software used to develop bridge plans. Aaron has completed the MoDOT LPA training and is certified for both field testing and lab testing of concrete.

Dakota Witmer – Engineering Technician with Howe Co since 2021

Dakota started his employment at Howe Company upon his graduation from Missouri State Technical College in Linn with an Associate Degree in Drafting. He has contributed to projects involving bridges and roads including layouts, grading, cross sections, structural plans, and quantities. He is MoDOT certified for field concrete testing and has much experience with construction inspection.

Paul Winkelmann, P.E. – Project Engineer with Howe Co since 2023

Paul has over 35 years of experience in Missouri transportation. In the early years of his career Paul worked in the central district of MoDOT. He then went to Callaway County and served as their Highway Administrator until he retired in late 2023. At Howe Company, Paul helps with client communications, right of way acquisition, construction inspection, construction contract administration, and serves on the company quality control team.

Thomas Heald – Engineering Technician for Construction since 2023

Tom is an Army veteran that leads our construction administration process as the lead person to receive and review submittals, pay requests, change orders, and project closeout. He also helps with key construction observation and concrete testing.

Christina Howe – Administrative Technician with Howe Co since 2014

Chris has over 20 years of experience managing an office, performing office book keeping, etc. She has attended the MoDOT LPA training and assists with various aspects of project administration including the preparation of reimbursement requests which helps LPA's obtain their federal funds. Chris has over 11 years' experience with the LPA program.



HOWE COMPANY, LLC CONSTRUCTION INSPECTION EXPERIENCE SUMMARY DECEMBER 2025	Shannon Howe, P.E., S.E.	Aaron Lukefahr, P.E.	Paul Winkelmann, P.E.	Thomas Heald	Chris Howe	Dakota Witmer
Yrs Experience with MoDOT LPA Program	30	12	15	2	11	4
Yrs Experience with similar type work	30	12	25	2	11	4
Construction Staking	X	X	X			
Check structure layout	X	X	X			X
Pile Driving – End Bearing Piles (HP)	X	X	X	X		X
Pile Driving – Friction Piles (CIP)	X	X	X	X		X
Drilled Shafts	X	X	X	X		
Footings on Rock / Shale	X	X	X	X		
Footings on Piles	X	X	X			
Reinforcing Steel Placement - Substructure	X	X	X	X		X
Concrete Placement – Substructure	X	X	X	X		X
Girder Placement – Prestressed Concrete	X	X	X	X		X
Girder Placement – Steel WF	X	X	X	X		X
Girder Placement – Steel Plate Girder	X	X	X			
Precast Concrete Slab Superstructure	X	X	X	X		X
Concrete Deck Panels	X	X	X	X		X
Corrugated Steel Stay In Place Forms	X	X	X	X		X
Reinforcing Steel Placement -	X	X	X	X		X
Deck Machine Settings	X	X	X	X		X
Concrete Placement - Superstructure	X	X	X	X		X
Steel Rail on Bridge	X	X	X	X		X
Steel Rail – Roadway	X	X	X	X		X
Concrete Rail on Bridge	X	X	X	X		
Roadway Grading	X	X	X	X		X
Erosion Control Measures	X	X	X	X		X
Sidewalk/Street – Concrete	X	X	X	X		
Sidewalk /Street– Asphalt	X		X			X
Sidewalk/Street- Aggregate	X	X	X	X		X
Traffic Control Signs & Barricades	X	X	X	X		X
Concrete Field Testing for Slump & Air	X	X	X	X		X
Lab Testing of Strength Specimens	X	X		X		X
Use of Dynamic Cone Penetrometer -	X	X				
Pre-Construction Conference	X	X	X	X	X	
Review Materials Certifications	X	X	X	X		X
Review Shop Drawings	X	X	X	X		X
Review Labor Reports	X	X	X	X	X	X
Review Pay Requests	X	X	X	X	X	X
Prepare Progress Invoices / Reimbursements	X				X	
Daily Diary Entries	X	X	X	X		X
Pay Diary Entries	X	X	X	X		X
Semi-Final & Final Inspections	X	X	X	X		X
Project Close-out	X	X	X	X	X	
Soft Match Credit Submittals	X		X		X	
Steel Building Construction Inspection	X	X				
Masonry Construction Inspection	X	X				

ABOUT US

We have been in business since 2014. Our core business is local transportation projects with federal funding. Our key staff have 11-30 years' experience in the LPA program. We are a leading provider of LPA projects with federal funding.

CAPACITY & CAPABILITY

We can handle the construction inspection of 30-35 LPA projects per year and may include the construction of:

- bridges
- roads & streets
- sidewalks, trails
- drainage structures
- site developments
- soil embankments
- geotextile installations
- steel buildings
- masonry buildings
- steel buildings
- precast concrete buildings
- retaining walls
- storm water facilities
- water main
- sewer

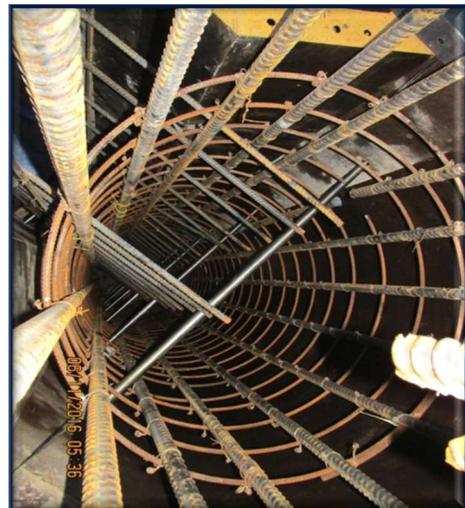
We maintain multiple sets of concrete testing equipment so we can cover multiple projects at any time. Our concrete testing lab includes an inventory of cylinder molds, cube molds, multiple curing tanks, and a calibrated compression test machine. We have the capacity to make/use mortar cubes and both 4" and 6" test cylinders.

TECHNICAL EXPERTISE & EXPERIENCE

The majority of our staff that work on LPA projects has been through the MoDOT LPA Basic Training Level 1, the MoDOT certification process for field testing of concrete, and a few have the required certifications to test concrete compression samples in our laboratory. In addition to the MoDOT certifications, we provide in-house training that is specific to the types of projects we have with LPA clients. In order to help our field staff do their job well, we also develop and issue a construction inspection reference manual and checklist that provides background information and guidance on various inspection duties and construction topics. The supervision of our construction inspection efforts is led by a registered structural engineer.

TECHNOLOGY IN CONSTRUCTION

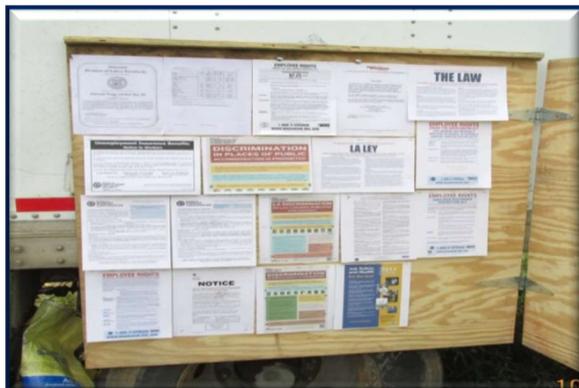
Howe Company has implemented the Appia software for construction phase documentation and equips construction inspectors with tablets to support the use of the Mobile Inspector app.





In addition to construction inspection and concrete testing, we have much experience with the following:

- Assembly of construction contracts
- Preparation for and administration of pre-construction conferences
- Review of shop drawings and material submittals
- Review of certified payrolls
- Wage Rate Interviews
- Review of the required on-site board postings
- Review of pay requests
- Preparation of progress invoices
- Progress Reports
- Daily Diary Entries
- Semi-final Inspections
- DBE CUF Interviews
- Project Close-out Administration



We have experience with many of the unpleasant circumstances that can develop during a construction project including:

- Slow gain of concrete strength related to Type 1L cement or pozzolan additives
- Concrete that does not reach design strength.
- Damaged girders.
- Contractor over on time.
- Contractor fails to perform.
- Contractor defaults & bonding company is called in.
- Damage to the substructure during construction.
- Differing site conditions



We have been through a variety of FHWA compliance reviews. These reviews went well and helped us be better prepared to help our clients comply with the federal requirements.



Civil and Structural Engineers

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Mercer County Bridge #25200072, BRO-B065 (40)

This is a 97 foot long x 24.5 ft wide NU-43 concrete girder bridge.

This project included federal funding.

Construction cost was \$651,948.00.

Reference: Jerry Allen, Associate Commissioner

Phone: (660) 748-3425



Putnam County Courthouse Square Sidewalks

Putnam County, MO – TAP Grant Funded

This included new reinforced concrete pavement on aggregate base, steps, and hand rails. This project included federal funding. The construction cost was \$115,000.

Reference: Robert Munden, Presiding Commissioner

Phone: 660-947-2674



Knox County Rebel Run BRO-R053(23)

This is a 204'-0", three span bridge with prestressed concrete NU-35 girders. This project included federal funding. Construction cost was \$1,304,935.92.

Reference: Leslie Cardwell

Presiding Commissioner

Phone: 660-397-2688



Bethany Sidewalk TAP-9900(139) Bethany, MO

The sidewalk is 4,545 feet of a new 4' wide ADA complaint sidewalk.

This job included federal funding. Construction cost was

\$464,258.50.

Reference: Jake Taylor, City Administrator

Phone: 660-425-8675



Bethany 30th Street Extension

City of Bethany, MO

An extension of 30th Street in Bethany, MO consists of 2580 linear feet of 30' wide, 8" thick concrete street, curb & gutter with concrete pipes, 2 large corrugated metal pipe culverts, 800 linear feet of 8" PVC gravity sanitary sewer. This project included local funded. Construction cost was \$1.7 million.

Reference: Jake Taylor, City Administrator

Phone: 660-425-8675



Bethany 39th Street Sidewalk TAP-9900(127)

City of Bethany, MO

A sidewalk along 39th Street in Bethany, MO consists of 2,600 linear feet of new sidewalk along an existing concrete street, and a crosswalk, signage, and hand rails. This project was federally funded. Construction cost was \$178,939.15.

Reference: Jake Taylor, City Administrator

Phone: 660-425-8675



**South Harrison R-II School District
High School Parking Lot & Bus Road
Bethany, MO**

This project consisted of storm water piping, aggregate base, concrete pavement for parking, street entrance, and bus road. Parking stall striping was also completed. This project was locally funded. Construction cost was \$800,373.

Reference: Dennis Eastin, Former Superintendent
Phone: (660)-425-8044



This project also consisted of concrete pavement improvements for a 1,100 ft long road for the school district.



Daviess County – Quick Avenue

Howe Company was hired to prepare bid specifications and documents for the overlay of 1.5 miles of Quick Avenue from a manufacturing facility to its intersection with State Route V with 2 inches of hot mix asphalt. This project included local funding.

Reference: David Cox, Associate Commissioner
Phone: 660-663-3300



**Lewis County Airport Authority Entrance Road
Monticello, MO**

Howe Company was hired to engineer repairs to and chip seal the entrance road. This project included federal funding.



Apron & Taxiways

Howe Company was hired to help the Lewis County Airport Authority with a project to crack seal and seal coat the airport apron and taxiways. This project included federal funding.

Reference: Jesse Rogers
Phone: 660-216-4801