



BENTON & ASSOCIATES, INC.

Consulting Engineers / Land Surveyors

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November 1, 2013

Kenny Voss, P.E.
Local Programs Administrator
Missouri Department of Transportation

**SUBJECT: Letter of Interest & Statement of Qualifications
On-Call Services - Construction Inspection Category**

Dear Mr. Voss & Review Committee Members,

GENERAL EXPERIENCE OF THE FIRM

Benton & Associates, Inc. (B&A) has been in business for 43 years with a focus on rural communities. In 2009 B&A entered the Missouri Local Public Agency market and has since contracted for the replacement of 29 bridges through the BRO program and 11 bridges for soft match credit. We have helped make improvements at the regional ferry site, local school districts, libraries, an OATS terminal, and other facilities that are part of our communities. Prior to entry to the Missouri market, B&A has assisted Illinois communities with infrastructure improvements for over 30 years.

PAST PERFORMANCE

One key to our success has been to deliver projects that are in compliance with the federal program requirements and with the contract documents. We have provided services consistent with this category on multiple bridge projects (many with federal funds), street projects, sidewalk projects, and building projects. We have been through a few FHWA federal compliance reviews and those have went well.

QUALIFICATIONS OF PERSONNEL

One other key to our success has been the All Star team we've assembled for Construction Inspection. A summary of qualifications for each staff member is enclosed and made part of this letter of interest. In addition to obtaining MoDOT certifications for concrete testing, we have developed in-house manuals for the construction inspection of our projects. This manual covers specific topics including materials, construction methods, and background information about the various types of structure designs. Our manual helps our inspectors prepare for what they will see in the field and how to fill out the diaries. We include information about the pile hammers used by contractors that we normally see bidding on our projects. We have in-office workshops each Spring at the start of the construction season to review the manual and discuss any new requirements that we know about. Our effort to educate our staff and provide them with the right support materials means we have a lot of flexibility and can cover several jobs at one time.

In addition to being trained and having experience, our All Star team consists of people who engage in constructing and fixing stuff outside of work. Some of our staff own/operate/fix their own heavy equipment while others have operated heavy equipment, dump trucks, and farm equipment. Some are talented at steel fabrication and/or major auto repair. This may sound ordinary at first but our team brings their understanding of how things work, how things fit together, and a level of practical understanding to each project that is beyond what can be taught in the office or classroom. We understand why something must be built correctly with good materials and craftsmanship.



EQUIPMENT

We maintain multiple sets of equipment for the field testing of concrete including temperature gauges, slump cones, air pots, etc. We utilize wheel barrows to gather field samples and minimize injuries to our staff. We maintain a cylinder testing machine, multiple curing tanks, as well as cylinder transportation racks to put in the vehicles. We buy cylinder molds....multiple cases at a time.

In addition to concrete testing equipment, we have a dynamic cone penetrometer which has been useful in testing subgrade for suitability and consistency in remote areas of our service area.

Our company has 2 nuclear density gauges which are based in Illinois. We have trained operators in Missouri and can relocate the gauges to Missouri for several months at a time when necessary.

FAMILIARITY / CAPABILITY

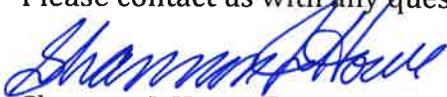
The majority of work for this team consists of local transportation projects with some form of federal funding. We understand the needs of rural clients, the importance of funding assistance, and the process it takes to get through the program. We've had the training and we've participated in discussions to make the LPA process better. The LPA work is a big part of how we make our living.

We have encountered a lot of situations which may develop during the construction process including: low cylinder breaks followed by low core breaks, differences in site conditions that affected foundation construction, contractors that used more than the contract time, installation issues with turf reinforcement mats, rebar that was bent slightly incorrect but usable with some modification, etc. Every situation requires an approach that is thoughtful and consistent with the intent of the plans and specifications. Our more experienced engineers mentor the young engineers and support staff with every situation that comes up. We constantly discuss construction activities, contractors' methods, and material testing results and relate them back to our design philosophy in an effort to always improve our designs and make them more constructible for a lower cost.

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. Our clients have our cell phone numbers and we have theirs. We value the trust and relationships we have with our clients. Our client references speak well of our accessibility.

Please contact us with any questions. We look forward to being on the list for this category.



Shannon J. Howe, P.E., S.E.
BENTON & ASSOCIATES, INC.
660-665-3575 office
660-651-1582 mobile

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BENTON & ASSOCIATES, INC. CONSTRUCTION INSPECTION EXPERIENCE SUMMARY	Shannon Howe, P.E., S.E.	Adam Dorrell, P.E.	Aaron Lukefahr, EI	Josh Stewart, EI	Kirk Ranson	Beth Moots	Pat Boren	Jackie Albright
Yrs Experience with MoDOT LPA Program	17	4	1	4	5	15	4	4
Yrs Experience with similar type work	17	10	1	4	15	15	20	10
Construction Staking	X				X	X	X	X
Check structure layout	X				X		X	
Pile Driving – End Bearing Piles (HP)	X	X	X	X	X	X		
Pile Driving – Friction Piles (CIP)	X	X	X	X	X	X		
Drilled Shafts	X				X			
Footings on Rock / Shale	X		X	X	X			
Footings on Piles	X							
Reinforcing Steel Placement - Substructure	X	X	X	X	X			
Concrete Placement – Substructure	X	X	X	X	X	X	X	
Girder Placement – Pres-stressed Concrete	X					X		X
Girder Placement – Steel WF	X		X	X	X	X		X
Girder Placement – Steel Plate Girder	X		X	X	X	X		
Precast Concrete Slab Superstructure	X		X	X	X			
Concrete Deck Panels	X							
Corrugated Steel Stay In Place Forms	X		X	X	X			
Reinforcing Steel Placement - Superstructure	X		X	X	X			
Deck Machine Settings	X		X	X	X			
Concrete Placement - Superstructure	X		X	X	X	X	X	
Steel Rail on Bridge	X		X	X	X			
Steel Rail – Roadway	X	X	X	X	X			
Concrete Rail on Bridge	X							
Roadway Grading	X	X	X	X	X			
Erosion Control Measures	X	X	X	X	X			
Surfacing – Concrete	X	X			X			
Surfacing – Asphalt	X	X			X			
Surfacing – Aggregate	X	X	X	X	X			
Traffic Control Signs & Barricades	X	X	X	X	X			X
Concrete Field Testing for Slump & Air Content	X	X	X	X	X	X	X	
Lab Testing of Strength Specimens	X	X	X	X	X			
Use of Dynamic Cone Penetrometer -	X	X						
Pre-Construction Conference Administration	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			
Review Pay Requests	X	X	X	X	X			X
Prepare Progress Invoices / Reimbursements	X	X						X
Daily Diary Entries	X	X	X	X	X	X		
Pay Diary Entries	X	X	X	X	X			
Semi-Final & Final Inspections	X	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	X			
Masonry Construction Inspection	X			X	X			

ON-CALL SERVICES CONSTRUCTION INSPECTION



Office Locations
Kirksville: 660-665-3575
Macon: 660-395-0300
Jamesport: 660-707-5592
Rolla: 573-364-0980

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BENTON & ASSOCIATES INC

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HISTORY

Benton & Associates, Inc. (B&A) started business in 1970 with a focus on serving rural communities in Illinois. In 2009 we began to offer transportation engineering services to rural communities in Missouri. Our focus on rapid delivery of projects has raised the bar on performance and allowed many Local Agencies to complete projects faster than ever before. We have been fortunate to have several clients trust us to delivery multiple projects for their communities in the form of repeat work.

CAPACITY & CAPABILITY

We can handle the construction inspection of 15-20 LPA projects per year and may include the construction of:

- bridges
- roads & streets
- sidewalks, trails
- drainage structures
- site developments
- river terminals
- ferry landings
- steel buildings
- masonry buildings
- retaining walls
- storm water facilities



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 that provides back ground information and guidance on various inspection duties and construction topics. The supervision of our construction inspection efforts is led by a registered structural engineer.

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

PERFORMANCE

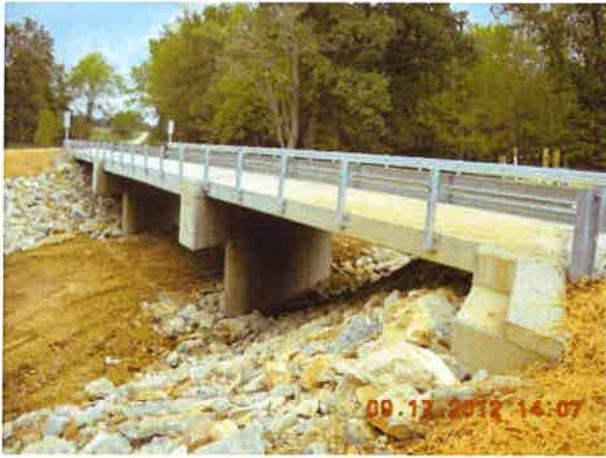
In order to illustrate our performance and range of expertise, we are providing a performance summary chart and some project profiles which illustrate the range of our expertise.

BENTON & ASSOCIATES, INC.
OCTOBER 2013

CONSTRUCTION INSPECTION

EXPERIENCE SUMMARY

	Shannon Howe, P.E., S.E.	Adam Darrell, P.E.	Aaron Lukefahr, EI	Josh Stewart, EI	Kirk Ranson	Beth Moots	Pat Boren	Jackie Albright	Ron Urton, P.E.
Yrs Experience with MoDOT LPA Program	17	4	1	4	5	15	4	4	10
Yrs Experience with similar type work	17	10	1	4	15	15	20	9	20
Construction Staking	X				X	X	X	X	X
Check structure layout	X				X		X		X
Pile Driving – End Bearing Piles (HP)	X	X	X	X	X	X			X
Pile Driving – Friction Piles (CIP)	X	X	X	X	X	X			X
Drilled Shafts	X				X				
Footings on Rock / Shale	X		X	X	X				X
Footings on Piles	X								X
Reinforcing Steel Placement - Substructure	X	X	X	X	X				X
Concrete Placement – Substructure	X	X	X	X	X	X	X		X
Girder Placement – Pres-stressed Concrete	X					X		X	
Girder Placement – Steel WF	X		X	X	X	X		X	X
Girder Placement – Steel Plate Girder	X		X	X	X	X			
Precast Concrete Slab Superstructure	X		X	X	X				X
Concrete Deck Panels	X								
Corrugated Steel Stay In Place Forms	X		X	X	X				X
Reinforcing Steel Placement - Superstructure	X		X	X	X				X
Deck Machine Settings	X		X	X	X				X
Concrete Placement - Superstructure	X		X	X	X	X	X		X
Steel Rail on Bridge	X		X	X	X				X
Steel Rail – Roadway	X	X	X	X	X				X
Concrete Rail on Bridge	X								
Roadway Grading	X	X	X	X	X				X
Erosion Control Measures	X	X	X	X	X				X
Surfacing – Concrete	X	X			X				X
Surfacing – Asphalt	X	X			X				X
Surfacing – Aggregate	X	X	X	X	X				X
Traffic Control Signs & Barricades	X	X	X	X	X			X	X
Concrete Field Testing for Slump & Air Content	X	X	X	X	X	X	X		X
Lab Testing of Strength Specimens	X	X	X	X	X				
Use of Dynamic Cone Penetrometer -	X	X							X
Pre-Construction Conference Administration	X	X						X	X
Review Materials Certifications	X	X	X	X	X				X
Review Shop Drawings	X	X	X	X	X				X
Review Labor Reports		X	X	X	X				X
Review Pay Requests	X	X	X	X	X			X	X
Prepare Progress Invoices / Reimbursements	X	X						X	
Daily Diary Entries	X	X	X	X	X	X			X
Pay Diary Entries	X	X	X	X	X				X
Semi-Final & Final Inspections	X	X	X	X	X			X	X
Project Close-out	X	X	X	X				X	X
Soft Match Credit Submittals	X					X		X	
Steel Building Construction Inspection	X			X	X				
Masonry Construction Inspection	X			X	X				



Pike County Bridge 15700141 BRO-B082 (26) E2258
This is a 24 feet wide x 110 feet long, 3-span bridge. In addition to design phase services, Benton & Associates, Inc. provided construction inspection for this project. Specific aspects included cast-in-place reinforced concrete spread footings on rock, turf reinforcement mats, pre-fabricated superstructure components, and bolt on steel guardrail.

Reference: Dan Miller
Pike County Commissioner
Phone: (573) 324-5447



**OATS Facility, Macon, Missouri
ARRA-MO-86-X001**

This project included the construction of a new office building and maintenance buildings to support the regional OATS service vehicles and staff. Services included material testing of concrete and grout as well as construction inspection/observation for the project.

Reference: Jennifer Wilson, AIA
NForm Architecture
cell: (417) 425-0737
tel: (417) 873-2255



Adair County Library Sidewalk Improvements

This project provided an ADA sidewalk that connected the sidewalk at Baltimore Street to the library building and bike racks. In addition to design phase services, Benton & Associates, Inc. provided construction inspection for this project.

Reference: Glenda Hunt
Library Director
Phone: (660) 665-6038



Princeton R-V Driveways, Parking, Pavement, Drainage, & Retaining Wall Improvements

This project included upgrading gravel drives and parking areas to concrete pavement, installation of curb & gutter, curb inlets & storm water piping, and a retaining wall around the athletic field. Benton & Associates, Inc. provided construction inspection and testing of concrete. The subgrade was checked for uniformity using a dynamic cone penetrometer.

Reference: Terry Mayfield, Superintendent
Phone: (660) 748-3211