

Waters Engineering, Inc.

Civil Engineering & Land Surveying

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E-mailed October 27, 2023

Re-submittal from November 8, 2022

MoDOT LPA On Call
Missouri Department of Transportation

E-Mail Address: LPAoncall@mdot.mo.gov

Re: Expression of Interest
LPA Consultant Services
Structures

Dear Sir(s):

In response to your public notice we are herewith expressing our interest in providing "on-call" services for Structure Projects for the local public agencies in the MoDOT Southeast Missouri District.

We offer the following information in response to your letter in aiding the scoring criteria:

1. Our firm is prequalified with MoDOT.
2. Past Performance.

Our generally broad and somewhat repetitive public sector work base provides valuable continuing cost information for the preparation of project cost estimates. This data base coupled with the experience gained over 58 years of service in Southeast Missouri has allowed very good accuracy in cost estimation.

To date we have worked on over 160 bridge projects in 7 Southeast Missouri Counties. This large number of projects makes our firm one of the most experienced in the state. We are therefore very familiar with the requirements for bridge projects, and using that familiarity we could get projects underway in the least possible time.

In addition to the referenced forms provided, we encourage you to contact the following entities for information on our past performance.

<u>Client</u>	<u>Contact Name</u>	<u>Telephone</u>
City of Sikeston	J.D. Douglass, City Manager	573-471-2512
City of Cape Girardeau	Stan Polivck, Public Works	573-339-6760
City of Charleston	Phil Halter, City Manager	573-683-3325
City of Dexter	Crystal Bishop, City Clerk	573-624-5959
City of Senath	Joe Lane, Mayor	573-738-2346
City of Matthews	Manuel Spraggs, PWD	573-471-2541
City of Caruthersville	Sue Grantham, Mayor	573-262-3094
City of Scott City	Norman Brant, Mayor	573-264-2157
City of Campbell	Randall Baker, Mayor	573-246-2541
City of East Prairie	Kevin Mainord, Mayor	573-649-3057

We invite you to consult the MoDOT Southeast District staff that are active in the LPA program for information on this matter.

Our qualifications are continually being advanced through our memberships in the National and Missouri Societies of Professional Engineers, the American Society of Civil Engineers, the Missouri Association of Professional Land Surveyors, the Water Environment Federation and the American Water Works Association.

3. Familiarity and Capability.

The ability to work with State and Federal funding programs is one of the greatest strengths of our company. We are routinely involved in essentially every form of State and Federal financial assistance available to City and County governments.

Over 90 percent of our projects includes some form of State or Federal funding assistance.

The funding programs through MoDOT have a number of processing requirements that are quite involved. If all requirements are not properly and timely fulfilled the project schedule could be seriously impacted and the public body could face financial reimbursement problems. Our general scope of services includes providing project management to guide our clients through the maze of paperwork required to assure proper and timely completion of projects.

Please note that we are only interested in offering "on-call" services in Southeast Missouri, which is the area for which our firm is uniquely qualified through experience.

Our office is located in Sikeston, in the heart of Southeast Missouri. As such we could be available on short notice for assistance. Our close proximity would also reduce the labor cost required for travel to and from projects for data collection, construction inspection and meetings.

Structure improvements represent a component of our annual workload. Our client list includes most of the public bodies in Southeast Missouri. Each member of our technical staff is routinely involved in the production of plans for structure project.

The design team leaders would be 1 of the companies engineers either John Chittenden, Darrall Hirtz or Richard Cochran. The average experience of these engineers is 32 years of practice in Southeast Missouri.

We have 5 licensed CAD workstations and have the capability to produce plans for large projects in a short period of time. In the past we have routinely been able to assemble plans for projects of over \$1,000,000 in construction costs in a matter of weeks.

We have the experience staff to quickly meet the design requirements for any Structure Design a public body in Southeast Missouri might wish to develop.

4. Accessibility.

Trustworthy and unbiased information on the topic of Accessibility for any firm can probably only be obtained by direct contact with numerous previous clients.

The following are obvious indicators that our firm has been responsive to the needs of our clients:

- Our company will soon reach the milestone of 60 years of service in Southeast Missouri. We have not thrived all that time without being accessible to our clients. A poor level of service to a small firm in a relatively small area does not lead to such longevity.
- Most of our client base is comprised of very long-term repeat customers. This continued use would not be expected if a high level of service was not being provided.

It came to our attention that we were purposely left off the On-Call List because we failed to list bridge structures we had done in the past.

Attached is a complete listing of bridge projects we've been involved with since the 1980's.

Sincerely,

WATERS ENGINEERING , INC



Darrall R. Hirtz, PE, PLS
Senior Engineer / Partner

Waters Engineering, Inc.

Civil Engineering & Land Surveying

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COMPANY BROCHURE for ON-CALL PROFESSIONAL SERVICES for LOCAL PUBLIC AGENCIES

The following information is presented in support of an expression of interest from Waters Engineering to the Missouri Department of Transportation (MoDOT) for providing "On-Call" engineering services for local public agencies.

Water Engineering, Inc. is interested in providing "on-call" engineering and surveying services for the following categories:

Structures (Bridges)

Specifics on the proposed "on-call" services are as follows:

1. PROPOSED ON-CALL SERVICE AREA.

The Waters Engineering can trace a history of almost 100 years through 4 generations in providing engineering and surveying services throughout Southeast Missouri.

Our firm has no desire to provide services outside the Southeast Missouri area which we are most familiar. We are therefore only seeking to be selected for the "on-call" services in the MoDOT Southeast District.

2. PROPOSED SCOPE OF ON-CALL SERVICES.

We are fully qualified and capable to provided services for roadways, trails and bridges and these are the only categories for which we hope to be selected.

In the past we have not provided construction inspection for projects that we have not designed, and we seeking top be approved to provide "on-call" construction only on those project on which we have provided design phase services.

Waters Engineering, Inc.

Civil Engineering & Land Surveying

The following information is provided regarding company background and capabilities:

1. COMPANY BACKGROUND.

Waters Engineering, Inc. is a multi-disciplinary civil, environmental, and land surveying firm located in Sikeston, Missouri.

Waters Engineering, Inc. was organized in 1955; however, Mr. Alex C. Waters, Sr., the founder of the company, began his practice of engineering and surveying in Southeast Missouri in the 1920's with his assistance in the construction of the Little River Drainage District and his work with the Missouri Highway Department.

Waters Engineering, Inc. provides engineering, surveying, and construction inspection services in all types of public works projects including water systems, wastewater systems, streets, storm drainage, bridges, airports, industrial parks and site development. These services have included pre-development, feasibility studies, funding acquisition, design, construction inspection, management, and operational training for projects.

Waters Engineering has directed its focus on customer satisfaction rather than corporate growth, and maintains a level workload and has essentially no turnover in employment.

We invite you to visit our web site at www.waterseng.com and review our attached General Statement of Qualifications for information on our company and the many and varied projects on which have been involved.

2. GENERAL QUALIFICATIONS.

Waters Engineering has a long history of providing a broad field of services to the Southeast Missouri area. We have served as consultants for over 50 municipalities, counties and special districts in Southeast Missouri. Our work has included complete planning, design and construction inspection services for individual projects as small as \$1,000 and as large as \$10,000,000. No Civil Engineering project the City has contemplated for the future is beyond the capabilities of Waters Engineering.

Our work in Southeast Missouri over the last 67 years provides our firm an unmatched level of experience and qualifications for work in the area.

The complexity of our projects have ranged from basic to most sophisticated. We endeavor to develop projects for which goals will be met and with which our clients will be comfortable.

The firm has a staff of 12 people, with three registered engineers and three registered land surveyors. The combined experience of our 3 engineers is 104 years.

We have 5 licensed CAD workstations and have the capability to produce plans for large projects in a short period of time. In the past we have routinely been able to assembly plans for projects of over \$1,000,000 in construction costs in a matter of weeks.

An important assurance and layer of protection provided to our clients is that our firm offers \$2,000,000 of coverage in professional liability and errors and omissions insurance.

3. QUALIFICATIONS FOR LOCAL PUBLIC AGENCY WORK CATEGORIES.

Waters Engineering is fully qualified and experienced for the following work categories:

A. Roadway Design.

Roadway design has been the mainstay of Waters Engineering for many years, and our list of clients includes practically every public agency in Southeast Missouri.

We completed design and construction inspection for hundreds of street, drainage, and traffic signal projects.

Our experience includes facilities in the flatlands of the Bootheel and the mountains of the Ozarks. We have the capabilities to meet any requirements in this work category that might develop.

B. Trails and Sidewalks.

We have worked on trail and sidewalks projects in Sikeston, Caruthersville, Charleston, East Prairie, Jackson, Hayti, Matthews, Portageville, Sikeston and Steele.

These projects were primarily developed through MoDOT's Transportation Enhancement, Safe Routes to Schools and Surface Transportation Programs, but we have also had projects through the Missouri Foundation for Health and the Missouri Land and Water Conservation Program.

C. Structures (Bridges).

To date Waters Engineering has worked on over 160 bridge replacement projects in 7 Southeast Missouri Counties, most of these projects were done under Federal funding requirements.

This large number of projects makes our firm one of the most experienced in the state with Federally-funded bridge projects. We are therefore very familiar with the requirements of the Off-System Bridge Replacement Program, and using that familiarity we could get this project underway in the least possible time.

D. Construction Inspection.

Projects will not be properly constructed if adequate project inspection is not provided. Detailed and thorough inspection by experienced inspectors with the supervision of the project engineers are the surest means to assure project quality.

We consider project inspection as a duty to our client and providing proper inspection services is judged by our firm to be just as important as high-quality design work for the success of our projects.

The function of 4 members of our staff is primarily dedicated to project inspection. These 4 employees have a combined tenure of service of over 100 years. In addition to our inspection staff, the project engineers would also be available to fill in as required. There is no shortage of qualified individuals that we can provide for project inspection.

All members our inspection staff are MoDOT certified for inspection of bridge projects.

Having 4 full-time qualified project inspectors gives our clients the assurance that our firm will always have quality inspectors at the ready.

**WATERS ENGINEERING, INC
BRIDGE DESIGN LISTING**

STODDARD COUNTY PROJECTS

1	386R01.1	Dudley	Dbl Culvert (8' Diameter)	Not Built						
2	BRO-103(4)	Zeta-Crowder	Single Span Bridge (50')		Contractor					
3	BRO-103(6)	Pike	Dbl Culvert (10' Diameter)	Township						
4	BRO-103(8)	Pike	Dbl Culvert (8' Diameter)	Township						
5	BRO-103(9)	Pike	Dbl Multi-Plate Culvert (13' Diameter)	Township						
6	BRO-103(10)	Pike	Dbl Culvert (12' Diameter)	Township						
7	BRO-103(11)	Dudley	3-Span Bridge (25', 25', 25')		Contractor					
8	BRO-103(12)	Dudley	3-Span Bridge (25', 30', 25')		Contractor					
9	BRO-103(13)	Dudley	3-Span Bridge (25', 30', 25')		Contractor					
10	BRO-103(16)	Elk	Dbl Conc Box Culvert - 14'Span x 10'Rise		Contractor					
11	BRO-103(17)	Elk	Dbl Conc Box Culvert - 8'Span x 9'Rise		Contractor					
12	BRO-103(19)	Dudley	3-Span Bridge (40', 40', 40')		Contractor					
13	BRO-103(20)	Pike	Single Multi-Plate Arch (15.33'Span x 9.25'Rise)	Township		Township	No. of Projects			
14	BRO-103(21)	Pike	Dbl Multi-Plate Arch (14.83'Span x 9.08'Rise)	Township						
15	BRO-103(22)	Pike	Dbl Multi-Plate Arch (10.92'Span x 7.08'Rise)	Township		Castor	1			
16	BRO-103(23)	Pike	Dbl Multi-Plate Arch (13.42'Span x 8.42'Rise)	Township		Dudley	6			
17	BRO-103(24)	Pike	Dbl Multi-Plate Arch (17.42'Span x 11.50'Rise)	Township		Elk	4			
18	BRO-103(25)	Pike	Dble Culvert (11.5' Diameter)	Township		Gray Ridge	2			
19	BRO-103(26)	Pike	Dbl Multi-Plate Arch (14.83'Span x 9.08'Rise)	Township		Lavalle	3			
20	BRO-103(28)	Elk	Single Span Bridge (60')		Contractor	New Lisbon	2			
21	BRO-103(29)	Elk/Gray Ridge	Single Conc Box Culvert (10'Span x 9'Rise)		Contractor	Pike	15			
22	BRO-103(30)	Elk/Gray Ridge	3-Span Bridge (30', 40', 30')		Contractor	Zeta-Crowder	1			
23	BRO-103(32)	Pike/Castor	3-Span Bridge (50', 50', 50')	Towship	Contractor		34			
24	BRO-103(33)	Lavalle	Dbl Conc Box Culvert - 12'Span x 11'Rise		Contractor					
25	BRO-103(34)	Lavalle	Dbl Conc Box Culvert - 11'Span x 12.5'Rise		Contractor			Township	Contractor	Not Built
26	BRO-103(35)	Elk	Dbl Conc Box Culvert - 14'Span x 12.6'Rise		Contractor					
27	BRO-103(36)	Pike	Dbl Multi-Plate Arch (19.25'Span x 12.25'Rise)	Township		Metal Culverts	18	17	0	1
28	BRO-103(37)	Pike	Dbl Multi-Plate Arch (15.67'Span x 15'Rise)	Township						
29	BRO-103(38)	Pike	Dbl Culvert (12' Diameter)	Township		Box Culverts	7	0	7	0
30	BRO-103(41)	Pike	Dbl Multi-Plate Arch (10.92'Span x 7.08'Rise)	Township						
31	BRO-103(40)	Dudley	3-Span Bridge (30', 30', 30')		Contractor	Bridges	9	0	9	0
32	BRO-103(45)	New Lisbon	Dbl Multi-Plate Arch (17.17'Span x 11.33'Rise)	Township						
33	BRO-103(46)	New Lisbon	Single Span Multi-Plate Arch (34.42'Span x 13.25'Rise)	Township						
34	BRO-103(48)	Lavalle	Dbl Conc Box Culvert - 14'Span x 12'Rise		Contractor					

NEW MADRID COUNTY PROJECTS

1	01900001		Dbl Conc Box Culvert (10'Span x 8.5'Rise)	County						
2	01700011		Single Box Culvert (12'Span x 6.5'Rise)	County						
3	06400171		Triple Box Culvert (12'Span x 8.5'Rise)	County						
4	12600001		Dbl Conc Box Culvert (10'Span x 10'Rise)	County						
5	16100311		Dbl Conc Box Culvert (16'Span x 10.5'Rise)	County						
6	179R00.0		3-Span Bridge (25', 30', 25')	County						
7	19300061		Dbl Conc Box Culvert (15'Span x 7'Rise)	County						
8	286R00.9		Single Box Culvert (14'Span x 10'Rise)	County						
9	35100061		Dbl Conc Box Culvert (10'Span x 8'Rise)	County						
10	BRO-072(12)		3-Span Bridge (25', 35', 25')	County						
11	BRO-072(13)		3-Span Bridge (35', 40', 35')		Contractor					
12	BRO-072(14)		3-Span Bridge (40', 40', 40')	Not Built						
13	CORPS: DACW66-88-C-0023		4-Span Bridge (40', 40', 40', 40')		Contractor	No. of Projects				
14	BRO-072(15)		3-Span Bridge (25', 30', 25')		Contractor	44				Not Built
15	BRO-072(16)		Dbl Conc Box Culvert (14'Span x 10'Rise)		Contractor		County	Contractor		
16	BRO-072(17)		Dbl Conc Box Culvert (8'Span x 9'Rise)		Contractor	Box Culverts	16	8	8	
17	BRO-072(18)		Single Span Bridge (50')		Contractor					
18	BRO-072(19)		3-Span Bridge (25', 30', 25')		Contractor	Bridges	28	2	21	5
19	BRO-072(20)		Single Span Bridge (60')		Contractor					
20	BRO-072(22)		3-Span Bridge (30', 30', 30')		Contractor					
21	BRO-072(24)		3-Span Bridge (25', 30', 25')		Contractor					
22	BRO-072(25)		Dbl Conc Box Culvert (10'Span x 10'Rise)		Contractor					
23	BRO-072(26)		Dbl Conc Box Culvert (11'Span x 10'Rise)		Contractor					
24	BRO-072(27)		Dbl Conc Box Culvert (10'Span x 10'Rise)		Contractor					
25	BRO-072(28)		Single Box Culvert (7'Span x 7'Rise)		Contractor					
26	BRO-072(29)		Single Box Culvert (7'Span x 7'Rise)		Contractor					
27	BRO-072(30)		3-Span Bridge (35', 40', 35')		Contractor					
28	BRO-072(31)		3-Span Bridge (30', 30', 30')		Contractor					
29	BRO-072(32)		3-Span Bridge (25', 30', 25')		Contractor					
30	BRO-072(33)		3-Span Bridge (35', 35', 35')		Contractor					
31	BRO-072(34)		3-Span Bridge (30', 30', 30')		Contractor					
32	BRO-072(35)		3-Span Bridge (30', 40', 30')		Contractor					
33	BRO-072(36)		3-Span Bridge (35', 50', 35')		Contractor					
34	BRO-072(37)		3-Span Bridge (40', 40', 40')		Contractor					
35	BRO-072(38)		3-Span Bridge (35', 50', 35')		Contractor					
36	BRO-072(39)		3-Span Bridge (60', 60', 60')		Contractor					
37	BRO-072(40)		3-Span Bridge (35', 40', 35')		Contractor					
38	BRO-072(41)		3-Span Bridge (35', 50', 35')		Contractor					
39	BRO-072(42)		3-Span Bridge (25', 25', 25')		Contractor					
40	BRO-072(44)		3-Span Bridge (25', 40', 25')		Contractor					
41	BRO-072(45)		3-Span Bridge (40', 50', 40')		Contractor					
42	BRO-072(46)		3-Span Bridge (30', 40', 30')		Contractor					
43	BRO-072(048)		Triple Culvert (15'Spanx10'Rise)		Contractor					
44	BRO-B072(051)		4-Span Bridge (60', 60', 50', 50')		(To Be Built)					

PEMISCOT COUNTY PROJECTS

1	029R02.7		Dbl Culvert (6.5' Diameter)	County						
2	034R01.4		Single Culvert (10.5' Diameter)	County						
3	14100211	Railroad Bridge	Rehabilitate Railroad Bridge	To Be Built						
4	Black Island		Single Conc Box Culvert (10'Span x 10'Rise)	Not Built						
5	Black Island		Single Conc Box Culvert (7'Span x 7'Rise)	Not Built						
6	BRO-078(1)		Dbl Conc Box Culvert (12'Span x 10'Rise)		Contractor					
7	BRO-078(1)	First Design	Dbl Multi-Plate Arch (15.67'Span x 9.58'Rise)	Not Built						
8	BRO-078(1)	Second Design	3-Span Bridge (25', 40', 25')	Not Built						
9	BRO-078(2)		Single Multi-Plate Arch (16.5'Span x 11'Rise)	County						
10	BRO-078(5)		Single Multi-Plate Arch (14'Span x 9.67'Rise)	County						
11	BRO-078(6)		Triple Culvert (9' Diameter)	County						
12	BRO-078(7)		Single Multi-Plate Arch (16.5'Span x 11'Rise)	County		No. of Projects				
13	BRO-078(8)		Single Multi-Plate Arch (18.58'Span x 12'Rise)	County		46				Not Built
14	BRO-078(9)		Single Multi-Plate Arch (16.58'Span x 10.08'Rise)	County			County	Contractor		
15	BRO-078(10)		Single Multi-Plate Arch (20.42'Span x 13'Rise)	County						
16	BRO-078(11)		Single Multi-Plate Arch (15.83'Span x 9.83'Rise)	County		Metal Culverts	36	35	0	1
17	BRO-078(12)		Single Multi-Plate Arch (14.83'Span x 9.08'Rise)	County						
18	BRO-078(14)		Single Multi-Plate Arch (15.33'Span x 9.25'Rise)	County						
19	BRO-078(15)		Single Multi-Plate Arch (12.5'Span x 7.92'Rise)	County		Box Culverts	5	0	2	3
20	BRO-078(16)		Single Multi-Plate Arch (14.08'Span x 8.75'Rise)	County						

