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North Wharf Street in St. Louis

November 15, 2013

Ms. MaryAnn Jacobs, Intermediate Planning Technician
MoDOT Central Office
maryann.jacobs@modot.mo.gov

Dear Ms. Jacobs:

Letter of Interest for On-Call Professional Services related to LPA Roadway Design

Dear Ms. Jacobs:

ABNA is interested in providing professional services under your **LPA On-Call for Roadway Design** program. We are confident that the ABNA is the right firm available at the right time due to our experience designing streets and highways throughout the mid-west ranging from rural safety projects to the reconstruction of interstates. ABNA offers a Cohesive Team, with available capacity, and a Project Manager, Jon Luer PE with Experience on MoDOT projects a commitment to each project assigned to him.

Why Chose ABNA?

ABNA can deliver a quality finished product as we've been privileged to work on complex transportation engineering projects of all sizes since 1994 which includes our work as a subconsultant for MoDOT's *The New I-64 Design/Build* project in St. Louis. Our proficiency with MicroStation, GEOPAK, and MoDOT's Engineering Policy Guide coupled with our firm's excellent reputation for delivering projects on time and within budget, makes our firm ideally suited for this program. ABNA has a solid transportation engineering portfolio for all elements of transportation infrastructure for both MoDOT and Missouri's Local Public Agencies. ABNA has managed projects for various agencies, adding project value through cost efficient means and ABNA can rapidly mobilize a project team once a work order is received.

Workforce Diversity

ABNA's approach to execute the needs for your project will validate the fact that successful project accomplishment perfectly coincides with diversity. ABNA is MoDOT qualified and certified as an M/W/DBE. Our staff reflects members of this community who are experienced engineers, surveyors and support professionals from every part of the US and over other 10 countries. In addition, ABNA works with the diverse youth of our community and encourages them to pursue an education in science and technology. Further we actively recruit from all qualified professionals within our community, thus reflecting the region in which we live and work. MoDOT encourages qualified DBE firms to submit letters of interest for categories in which they are qualified; hence for this program ABNA is submitting as a DBE prime consultant.

General Experience of Firm

ABNA's staff has designed many roadway improvements of all sizes and complexities such as:

Washington Avenue Streetscaping, Phase 3 – ABNA is the prime consultant to the City of St. Louis' Land Clearance for Redevelopment Authority (LCRA) for the Streetscaping of Washington Avenue from 7th Street to Memorial Drive. Improvement to include new ADA compliant crosswalks, adjusting curb, complete replacement of sidewalks, replacement of street lights with aesthetically pleasing roadway and pedestrian lighting, landscaping and street furniture. Structural design is also included in order to strengthen basements and vaults that exist in the public right-of-way under the sidewalks.

Central Business District Streetscaping – This project provided for Streetscaping 7th and 8th streets between Washington Avenue and Pine Street in downtown St. Louis. Improvements included sidewalk replacement, lighting replacement, street furniture, and reconstruction of crosswalks and the installation of micro stormwater detention. ABNA was a subconsultant responsible for pick-up topographical surveys, roadway design, crosswalk design, and stormwater design. The stormwater design on this project included the installation of 8 micro detention basins.

I-70 Ramps to Washington Avenue/3rd Street – ABNA was a subconsultant for this MoDOT project that is currently under construction. This project is one of several associated with the renovations to the Jefferson National Expansion Memorial (the

Arch Grounds). ABNA's role on this project was schematic roadway design and drainage design for the construction package. On a related MoDOT project, ABNA prepared the underpass lighting study for the I-70 Land Bridge.

I-90/Lee Street Interchange – ABNA was the prime consultant for this recently completed project in Cook County for the Illinois Tollway for the reconstruction of the I-90/Lee Street Interchange. This project included surveying, geotechnical investigation, pavement design, grading, drainage, structures, lighting, and traffic signals.

Rte. 115 Great Streets – ABNA was a subconsultant for this recently completed project in St. Louis County for MoDOT for the reconfiguration of 1.7 miles of urban highway to multipurpose roadway. ABNA role on this project was surveying, drainage design, and preparation of Traffic Control Plans.

I-70 New Mississippi River Bridge – ABNA was a subconsultant for this project currently under construction for the relocation of I-70 in downtown St. Louis and St. Clair County Illinois. ABNA was a subconsultant for a portion of this in St. Clair County and was responsible for Traffic Control Plans and lighting design.

Each project is unique in its nature and lessons learned from each will be applicable in the design success of projects awarded under this program.

Past Performance

The following chart reflects our proven history and ability to efficiently prepare transportation project designs within realistic budgets.

<i>Project Description</i>	<i>Estimate</i>	<i>Low Bid</i>	<i>Difference</i>
<i>Bucklick Creek Road & Bridge</i>	<i>\$223,000</i>	<i>\$225,664</i>	<i>1.2%</i>
<i>Camp Mo-Val Road & Bridge</i>	<i>\$433,000</i>	<i>\$388,567</i>	<i>-10.3%</i>
<i>Fountain City Road & Bridge</i>	<i>\$780,820</i>	<i>\$793,358</i>	<i>1.6%</i>
<i>Guthrie Road</i>	<i>\$6,100,987</i>	<i>\$6,237,438</i>	<i>2.2%</i>
<i>Hardin Road, Road & Bridge</i>	<i>\$803,000</i>	<i>\$770,658</i>	<i>-4.0%</i>
<i>Harness Road</i>	<i>\$377,537</i>	<i>\$374,956</i>	<i>-0.7%</i>
<i>Hawk's Nest Road & Bridge</i>	<i>\$1,702,645</i>	<i>\$1,565,829</i>	<i>-8.0%</i>
<i>Mapaville-Hematite Bridge</i>	<i>\$1,164,100</i>	<i>\$927,999</i>	<i>-20.3%</i>
<i>Missouri State Road & Bridge</i>	<i>\$588,000</i>	<i>\$532,967</i>	<i>-9.4%</i>
<i>N. Market at Produce Row</i>	<i>\$300,200</i>	<i>\$260,000</i>	<i>-13.4%</i>
<i>Old Sugar Creek Road</i>	<i>\$660,000</i>	<i>\$646,864</i>	<i>-2.0%</i>
<i>Shotwell Road & Bridge</i>	<i>\$313,000</i>	<i>\$297,196</i>	<i>-5.0%</i>

While past performance assists with predicting success, having the dedication of a winning, hands-on **Project Manager, Jon Luer PE**, leading the team, coupled with the support of ABNA's Transportation Engineering Department and ABNA's managing Principals, is the best assurance to trust a well-executed project will be delivered.

Qualifications of Personnel

ABNA's Transportation Engineering Department has 5 design professionals in Missouri experienced in design of MoDOT, LPA and P3 projects. Each project awarded under this program will be managed by Mr. Jon Luer PE.

Jon Luer PE has 29 years of experience in highway engineering and design and will serve as the **Project Manager**. Mr. Luer spent the first 9 years of his career as a MoDOT employee in both the Northeast and St. Louis Districts and is well versed in MoDOT design standards and procedures. He will lead the design team to ensure successful execution for a quality project delivered within budget and on schedule.

Assisting Jon will be **Able Chiteshe PE** and **Tammy Neff-Smith**. Able has 11 years of transportation design experience including several projects associated with the New Mississippi River Bridge and the City of St. Louis' Central Business District Streetscaping project. Tammy has over 17 years of experience designing roads for both IDOT and MoDOT and is the firm's

go-to GEOPAK expert. She recently assisted in the design of MoDOT's Rte. 115 Streetscaping project in St. Louis County and the City of St. Louis' Washington Ave. Streetscaping project.

Abdulai Bah PE, with 12 years of experience, will be the **QA/QC lead** and is committed to providing his experience and knowledge to ensure this project is successfully completed to your satisfaction. Abdulai has designed many federally funded (state, local, and P3) transportation projects in the mid-west including his work on MoDOT's *New I-64 Design/Build* project in St. Louis.

Familiarity/Capability

ABNA was founded in 1994 by two former DOT engineers and has continued to provide services to State DOTs throughout the mid-west. ABNA's first MoDOT project was in 1998, and thus ABNA brings 15-years of MoDOT design experience to each project. With a Missouri staff of 65, we are confident that we have the administrative, personnel, and technological capability to deliver a quality project within the time frame needed.

Accessibility

ABNA's office is located in St. Louis Missouri along with all personnel that will be assigned to these projects, making it very convenient and cost efficient for field checks as any part of the state is easily accessible by car. ABNA embraces technology and utilizes cloud computing and voice over IP telecommunications for the feel of being in the cubical next door. Each of ABNA's clients are also provided a backup ABNA contact who can fill-in should the project manager ever be unavailable. ABNA is committed to delighting our clients with quality work, utilizing innovate methods for effective project management and being responsive.

Commitment

ABNA's Project Manager, **Jon Luer PE** has worked on MoDOT projects from both within and outside the organization. His commitment, which is also equally shared by ABNA's Principal, **Abe Adewale PE**, and the other team members that will be assigned to this project, will ensure that outstanding services are provided.

We look forward to working with you and strengthening or forging new relationships between ABNA and Missouri's Local Public Agencies. Please don't hesitate to contact our office at (314) 454-0222 should you have questions or need clarifications.

Sincerely,



Abe Adewale PE
Firm Principal
Extension 1101



Jon Luer PE
Project Manager
Extension 1109

ABNA Engineering, Inc. founded in 1994, has grown to over 70 employees and is consistently ranked among the top 25 Engineering Firms by the St. Louis Business Journal (2010-2011). ABNA provides **Engineering Design** Services for **Transportation** infrastructure including **Structural** design, **Water Wastewater** systems, and other civil facilities such as educational and healthcare. Additionally, ABNA provides **Surveying, Geotech, Construction Management, Inspection, Materials Testing, Planning/GIS Services** and **Construction Operations**.

ABNA is proud of its planning & design service provided for the Jefferson National Expansion Memorial's Arch Grounds improvements which included a Land Bridge (Lid) over I-70. Also note our 3D High Definition LiDAR services provided for the Delmar Loop Trolley Project. Other significant projects include the High Speed Rail between Chicago and St. Louis, Clayton School District Improvements, Blanchette Bridge Rehabilitation and the Central Business District Streetscape Improvements. Our Construction Management Department continues to offer clients key management services as the owner's representative overseeing construction projects on many federally funded projects such as Franklin County Missouri's Herbst Road Bridge and non-federally funded projects such as the Missouri Botanical Garden's Shaw Nature Reserve.

This experience, our commitment to using innovating approaches and our vast transportation knowledge qualifies ABNA to provide our clients unprecedented professional services.

Surveying

ABNA has supported large and small projects alike by providing survey technicians to perform a number of survey activities such as route surveys, topographic surveys, cross-sections and profiles, and establishing existing, proposed centerline alignments, record research, boundary surveys and adjustments, plotting collected field information, establishing 1st and 2nd order controls, right-of-way monuments, land use determination, complex construction staking, layout and as-builts. ABNA's survey department consists of four survey crews, a field manager, a survey research technician, the survey manager and three additional licensed surveyors. ABNA employs a wide array of survey equipment, which enables the expeditious completion of projects. These instruments include five full Trimble GPS units, five Nikon Total Station Units equipped with the latest TDS data Collectors, digital levels and a variety of other conventional survey equipment. Additionally, ABNA's survey staff have extensive experience in the use of state of the art software such as MicroStation, AutoCAD, GEOPAK, MapInfo, Manifold, STAR*NET TDS Survey Link, and Trimble Geomatics Office. With 5 survey crews, ABNA can rapidly mobilize once work orders are received.



SURVEYING EXPERIENCE

Sample ABNA experience includes MoDOT's Route I-44 Meramec River Bridges, the Illinois Tollway's I-90/Lee Street Interchange, MoDOT Rte. 115 (Natural Bridge Road) Great Streets Project, City of St. Louis' North & South Broadway Streetscaping, several St. Louis Ward Improvement

Projects, Metro’s St. Clair County MetroLink Extension, IDOT’s I-270 over Chain of Rocks Canal Bridge replacement project, and the MetroLink Cross county Extension.

Transportation Engineering

We offer many transportation related services from trails and sidewalk through Interstate highway design. Services provided include:

- Writing grant and TIP applications
- Planning and Studies
- Obtaining Environmental Permits
- Roadway & Drainage Design
- Traffic Signal Design
- Lighting Design
- Estimating
- Completing Bid Documents



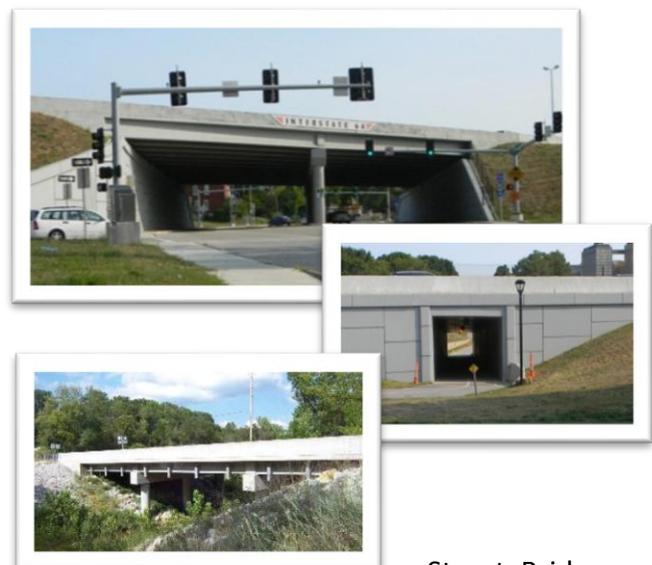
TRANSPORTATION EXPERIENCE

In the last several years, ABNA has had the opportunity to work on numerous federally funded roadway projects including the Jefferson National Expansion Memorial’s Park over the Highway (I-70 Lid), Missouri’s Rte. 115 (Natural Bridge Road) Great Streets Project, The City of St. Louis’ Washington Ave., Phase 3 Streetscape Project and their Central Business District Streetscape Project, MoDOT New I-64 Design/Build, the New Mississippi River Bridge, MetroLink, Illinois Route 3, the Lindbergh Tunnel, and reconstruction of the I-90/Lee Street Interchange for the Illinois Tollway.

Non-roadway projects include the Delmar Loop Trolley, several projects associated with the Chicago to St. Louis High-Speed Rail, and various airport, and trail projects.

Structural Engineering

One of ABNA’s largest groups is the Structural Engineering Department. Their experience includes design of all types of roadway structures, buildings, parking facilities, specialty foundations, pump stations, flood walls, retaining walls, gates, box culverts, dams, walled channels, drop structures and energy dissipaters. In addition to design, ABNA provides structural inspections of bridges and tunnels as well as load ratings.



STRUCTURAL EXPERIENCE

Some of ABNA recent projects include the Lee over I-90 for the Illinois Tollway, subconsultant MoDOT’s Poplar Street Bridge Slide, Poplar Street Approach Ramps, Walnut Street Bridge over

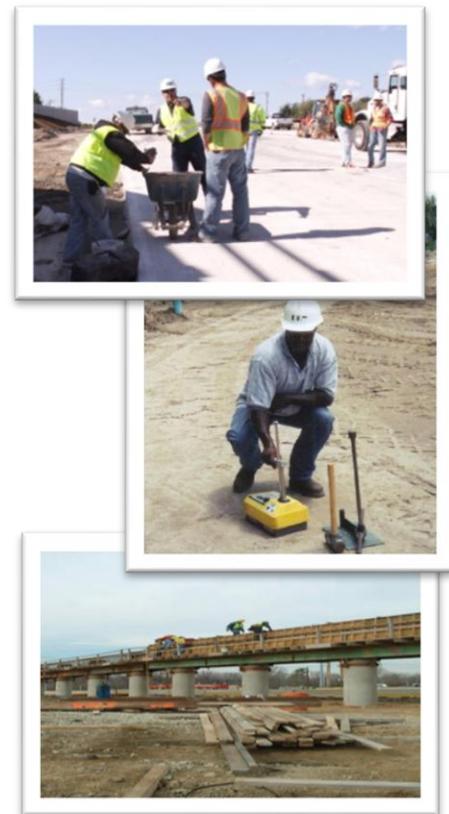
Street Bridge support for

I-70, Land Bridge over I-70, and the Pine Street Bridge over I-70, Route 141 Bridge over Creve Coeur Creek, the I-70 Blanchette Memorial Bridge over the Missouri River and several bridges and pedestrian tunnels associated with MoDOT *The New I-64* Design/Build project in St. Louis. ABNA was also selected for 4 bridge replacement projects as part of MoDOT's Safe & Sound 800 bridge program. Those bridges were Rte. TT Bridge over Slough Creek in Saline County, Rte. M over Bridge Creek in Carroll County, Rte. W over Moniteau Creel in Howard County, and Rte. FE over Edmondson Creek in Saline County. Some of our local agency projects include Jefferson Counties Mapaville-Hematite Bridge over Little Creek Tributary, Wilson Hollow Bridge over a Tributary to the Big River and specialty foundation design for the City of St. Louis' Washington Avenue, Phase 3 Streetscape project and Kiener Plaza.

Construction Management

We offer many construction related services including estimating, value engineering, construction staking, testing for plumbness of steel and forms, concrete, soil & asphalt testing, project inspection and field engineering. We can also provide support for scheduling and QA/QC documentation. ABNA's Construction Services, Construction Management and Engineering staff includes experienced civil engineers and geologists, NBIS, in addition to technical support personnel. Services provided include:

- Resident Engineering
- Scheduling
- Estimating
- In-place density tests on compacted fill material
- In-place density tests on asphalt
- Field test of concrete and casting
- In-place density tests on asphalt
- Lab compression testing of concrete cylinders in accordance with ASTM Procedures
- Testing and reporting
- Trimming of irregular client cast cylinders to meet ASTM requirements (only if required)
- Atterberg limits determination
- Marshall Stab. & Flow (ASTM D 1559)
- Extraction and gradation (ASTM D 2172)
- Bulk specific gravity
- Obtaining of pavement core samples



CONSTRUCTION MANAGEMENT EXPERIENCE

ABNA has been fortunate to have had the opportunity to work on numerous challenging federally funded projects such as MoDOT's Boone Bridge Design/Build, The New Mississippi River Bridge, MoDOT New I-64 Design/Build, IDOT's I-55/Route 59 Interchange, and several MetroLink projects such as the Eads Bridge



Retrofit and the Cross County Extension. ABNA recently complete construction management services for Franklin County's Herbst Road Bridge replacement. On this project ABNA was the prime consultant and performed all LPA construction management duties from Resident Engineer thru laboratory material testing. ABNA has also been selected by the City of St. Louis for full construction management on their Washington Avenue Streetscaping, Phase 3 project.