



**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: ABNA Engineering, Inc.

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St. Louis, MO 63108

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 2, 2025**

[LPAoncall@modot.mo.gov](mailto:LPAoncall@modot.mo.gov)

## **LETTER OF INTEREST FOR ON-CALL LPA PROFESSIONAL SERVICES**

Category: Structures

Please accept this letter as a formal request by ABNA Engineering, Inc. to be included on the Missouri Department of Transportation's On-Call list for provision of professional engineering services, specifically in the category of **Structures**. We are confident ABNA is the right firm to guide On-Call projects from concept to completion while providing all required oversight and guidance. We believe our experience, highly-qualified professional staff, and past record of performance—combined with our thorough understanding of MoDOT standards—make us an outstanding candidate for MoDOT's **Structures** LPA On-Call projects. ABNA's enthusiasm for providing these services stems from our desire to deliver services within the required timelines in a manner that delights MoDOT and benefits the people of the State of Missouri.

**PREQUALIFICATION:** ABNA is a **MoDOT approved Prequalified Consultant** and is prequalified in all of MoDOT's listed categories (E-Verify, Financial Prequal, LPA Basic Training, Bridge Form, and Bridge QC/QA Plan). ABNA is also registered with and in good standing to provide professional **Structures** services to MoDOT for the LPA.

**GENERAL EXPERIENCE OF FIRM:** ABNA was founded in 1994 by Nicole and Abe Adewale, two enterprising transportation engineers. Since then the company has grown to more than 70 employees. ABNA is a **full-service Civil Engineering, Structural, Transportation, Geotechnical, Environmental, and Surveying** firm and has the capacity to provide all services required for MoDOT On-Call Projects. For the past three decades ABNA has provided quality **Structures** services on numerous projects as both prime consultant and subconsultant for MoDOT, St. Louis County, Metro, and many local municipalities. ABNA also provides **Structures** services to Districts throughout Illinois. (Additionally, should Surveying services be required in this category, ABNA supports large and small projects alike by providing route surveys, topographic surveys, cross-sections and profiles, right-of-way monuments, land use determination, complex construction staking, layout, as-builts, and more.) ABNA is a W/M/DBE firm that embraces workforce diversity. ABNA's staff represents experienced professional engineers, surveyors, and support staff from several parts of the U.S. and more than ten countries.

**PAST PERFORMANCE:** Our Structural Department's experience includes a wide range of **Structures** and related projects, enabling ABNA to successfully address any challenge. Our recent experience demonstrates quality performance in projects varying in size and scope, including the following.

**I-270 North Design/Build "Bonus Bridge":** As part of the services ABNA provided to owner MoDOT for the I-270 North Design-Build project, the largest in 2022, our Structural Department performed management, coordination, and design efforts for the "bonus bridge." ABNA's tasks included preparation of all design plans in accordance with MoDOT standards; horizontal and vertical design of the crossing over I-270; bridge abutments; outer road tie-ins; as well as topographic surveys, geometrics, roadside safety, ADA, markings, right of way, and maintenance of traffic (MOT) design.

**Ameren Facility Bridge Inspections and Replacement:** For these projects, owned by Ameren, ABNA provided structural services for a comprehensive program to assess and provide solutions for a series of bridges. ABNA acted as prime consultant for these projects.

**MoDOT CD 4 Bridge Bundle:** For this project, owned by MoDOT, ABNA’s engineers delivered roadway and Structures associated with bridge re-decking.

**Ewing Bridge Replacement:** For this project, owned by MoDOT, ABNA provided surveying and structural design services for the design of a two-span pre-stressed concrete girder bridge over the I-64 corridor. ABNA also provided an MSE Wall design. This project was part of the Jefferson Interchange Project in Saint Louis City.

**Route 47 Bridge:** For this project ABNA designed long-span NU girders, the concrete deck slab, and the end bents.

**Poplar Street Illinois Approach Route 3:** ABNA’s services for this project, owned by MoDOT, included design and widening of the plate girder bridge.

**Rock Creek Gardens Bridge Over Rock Creek:** This project, completed for client Jefferson County, entailed removal and replacement of a functionally obsolete bridge. ABNA provided accelerated Structures for the proposed replacement.

**QUALIFICATIONS OF PERSONNEL:**

Key Project Staff	Project Role	Years of Experience
Stephen Alsbury PE, SE	Structural Manager	38
Faress Hraib PE, PhD	Project Manager	7
Robert Loehr PE, SE	QA/QC Lead	43

ABNA’s Project Manager, **Stephen Alsbury PE, SE**, Vice President, Structural Engineering, has extensive experience including over 50 bridge replacement projects in the greater St. Louis area. Stephen is well-versed in MoDOT’s standards and bridge plans and specifications. Stephen is also a Program Manager/Team Leader and is National Bridge Inspection Standards (NBIS), and Fracture Critical (FC) Certified. In 2019, Stephen presented on the topic “Inspection of Ancillary Structures” at the Missouri Bridge Conference, sharing his best practices alongside MoDOT. Stephen has designed and inspected more than 100 bridges of all sizes, types, and complexities ranging from simple spans to multi-span curved and major river bridges. His hands-on and value engineering approach continues to provide cost savings to our clients and sound design solutions. Stephen will be assisted with design by the following ABNA staff members:

**Faress Hraib PE, PhD (Project Manager)** has quickly become a leader in managing intricate structural design projects. He has extensive knowledge of AASHTO & AREMA bridge specifications and design requirements and IDOT bridge manuals, specifications, and procedures. Furthermore, he has published numerous papers and specializes in bridges. Faress has also developed proficiencies with AutoCAD, LEAP, SAP2000, RAM Elements, and 3D Modeling.

**Robert Loehr PE, SE** is experienced in the structural design and project management of many types of facilities: bridges, retaining walls, prestressed concrete for industrial buildings and parking

structures, platforms for transit structures and specialty structures (e.g. concrete cross ties for elevated structural steel people mover systems) and steel and concrete buildings.

These key staff members have been selected for their respective expertise and availability to commit priority attention to MoDOT LPA On-Call projects. In the event additional team members are required, particularly for multiple simultaneous On-Call assignments, ABNA's **Structures** personnel capacity includes a total of eight (8) staff members. Each member of our team is committed to ensuring all projects are completed according to client expectations.

**FAMILIARITY/CAPABILITY:** ABNA has worked on federally funded MoDOT and LPA projects since 1998, and we are thoroughly familiar with the **Structures**-relevant sections of the Engineering Policy Guide (EPG) and MoDOT's survey, GEOPAK SS4, OpenRoads Designer, and MicroStation requirements. As noted above, ABNA has demonstrated our working knowledge of these requirements by our completed work on projects including the I-270 Design-Build "Bonus Bridge"; Ameren Facility Inspections and Replacement; MoDOT CD 4 Bridge Bundle, and Ewing Bridge Replacement.

To ensure capability for each project it undertakes, ABNA tracks current project backlog and uses this backlog to make personnel forecasts and implement necessary adjustments. A review of current backlog confirms ABNA is adequately staffed and has the capacity to aggressively pursue MoDOT **Structures LPA On-Call Services** to completion giving each assignment the appropriate attention to fully meet MoDOT's expectations.

**ACCESSIBILITY:** Please be assured ABNA will provide MoDOT comprehensive and professional **Structures** engineering services based on our specialized portfolio of expertise and experience. ABNA's goal is to "Delight Clients." We do so by providing quality work and utilizing innovative methods for effective project management and responsiveness. Specifically, our hands-on approach utilizes both onsite fulfillment of services and communication with clients in-person and via digital and virtual platforms. Thereby, our clients receive transparent and immediate responsiveness which reflects our commitment to efficiency and exemplary service.

Thank you for considering this expression of interest in providing LPA On-Call services to MoDOT. We look forward to continued work with your agency. Please contact me at (314) 454-0222 for more information about our **Structures** services, expertise, and experience.

Sincerely,



Stephen Alsbury PE, SE  
Vice President, Structural Engineering



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# ABNA

Engineering Design • Land Surveying • Construction

## AT A GLANCE

**ABNA ENGINEERING, INC.** was founded in 1994 and has since grown to more than 70 employees. ABNA is 100% W/M/DBE certified with the City of St. Louis, St. Louis Airport Authority, METRO-St. Louis, and MoDOT and is consistently ranked among the Top 25 Engineering Firms by the *St. Louis Business Journal* (2001-2025).

### PRINCIPALS

Abe Adewale PE, LSIT  
Nicole Adewale Ed.D., LEED AP®

### OFFICE LOCATIONS

St. Louis  
Burr Ridge (Greater Chicago Area)  
Southern Illinois

### SERVICES

Site/Civil  
Structural  
Environmental  
Testing & Inspection  
Construction Management  
Land Surveying  
Geotech  
GIS/Planning

**ABNA** is a full-service Civil Engineering, Structural, Transportation, Geotechnical, Environmental, and Surveying firm that has the capacity to provide all services required for MoDOT On-Call Projects. Furthermore, ABNA is MoDOT-Prequalified in each of MoDOT's listed categories (EVERify, Financial Prequal, LPA Basic Training, Bridge Form, and Bridge QC/QA Plan).

ABNA operates on the premise that communication is the key to successful delivery of any project we undertake. Our clients input is valued and welcomed; likewise, we are diligent in offering ideas and processes as well as confirming decisions to our clients on a regular basis.

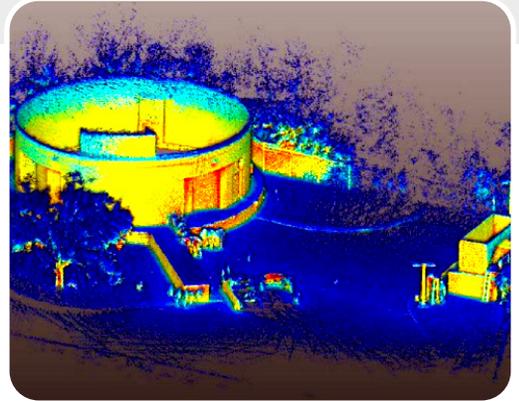
ABNA has a proud history of exceeding client expectations; and it is our goal to position ourselves as a one-stop source for your engineering planning, surveying, design, and construction service needs.



ABNA Engineering, Inc. Headquarters, St. Louis, Missouri

## Surveying/Lidar

ABNA supports large and small projects alike by providing survey services 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 five survey crews, a field manager, a survey research technician, the survey manager and additional licensed surveyors. ABNA employs a wide array of survey equipment, which enables efficient 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, TopoDOT, and Trimble Geomatics Office. With 5 survey crews, ABNA can rapidly mobilize once work orders are received.



Project: MSD Pump Station (Vance Road)

### Project 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.

## Roadway 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
- Geometric & Roadway Design
- Drainage Design including Linear Rain Gardens
- Traffic Signal Design
- Lighting Design
- Estimating
- Completing Bid Documents



Project: I-270 North Design Build Bellefontaine Roundabout Design

### Project Experience

In the last several years, ABNA has had the opportunity to work on numerous federally funded roadway projects including the I-270 North Design/Build Bellefontaine Roundabout, Jefferson National Expansion Memorial's Park over the Highway, 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 pedestrian and cycling trail projects.

# Bridge Engineering

ABNA's Structural Engineering department designs 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.

## Project Experience

ABNA's recent projects include the I-270 North Design/Build Bonus Bridge, Lee Street Bridge over I-90 for the Illinois Tollway, subconsultant support for MoDOT's Poplar Street Bridge Slide, Poplar Street Approach Ramps, Walnut Street Bridge over I-44, Land Bridge over I-44, and the Pine Street Bridge over I-44, Route 141 Bridge over Creve Coeur Creek, and the I-70 Blanchette Memorial Bridge over the Missouri River. ABNA was also selected for 4 bridge replacement projects as part of MoDOT's Safe & Sound 800 bridge program: 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.



Project: I-270 North Design/Build Bonus Bridge

# Construction Management

ABNA offers 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. ABNA operates an in-house Corps of Engineers Validated and AASHTO-accredited laboratory with state-of-the-art equipment for all testing and inspection tasks. 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 Stability & Flow (ASTM D 1559)
- Extraction and gradation (ASTM D 2172)
- Bulk specific gravity



Project: Stan Musial/Veterans' Memorial Tollway, Roadway, and Bridge Rehabilitation I-55 (M.P. 12.3) to Army Trail Road (M.P.29.8) CM

## Project Experience

ABNA worked on MoDOT's Daniel 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 completed construction management services for St. Louis' Washington Avenue Streetscape project and Franklin County's Herbst Road Bridge replacement project. On these projects ABNA was the prime consultant and performed all LPA construction management duties from Resident Engineer through laboratory material testing.

## Geotechnical

ABNA has provided Geotechnical services to clients including BJC Healthcare, Bayer (formerly Monsanto), and St. Louis Metropolitan Sewer District. ABNA's Geotechnical Department provides the following services:

- Subsurface Investigation
- Boring Studies
- Slope Stability Assessments
- Foundation Design
- Atterberg Limits Moisture Determination
- Soil Classification
- Moisture Density (Proctor)
- Sieve and Hydrometer Analysis
- Data Collection
- Report Preparation
- Evaluation of Historic Soil Resources



Project: I-64 Daniel Boone Bridge over Missouri River

## MoDOT & ABNA Project List

- Route CC Jefferson County for MoDOT
- IMPROVE I-70: Columbia to Kingdom City Design-Build
- IMPROVE I-70: Wentzville to Warrenton Design-Build
- I-270 North Design/Build Southbound I-170 Widening Design M-6073B/Client: Parsons Inc.
- I-270 North Design/Build Bellefontaine Roundabout Design M-6073A / Client: Parsons Inc.
- I-270 North Design/Build Bonus Bridge / Client: Parsons Inc.
- Stan Musial/Veterans' Memorial Tollway, Roadway, and Bridge Rehabilitation (see image in Construction Management section)
- Fractural Critical FC Inspections MOU 7 Liberty MO
- Fractural Critical FC Inspection MOU 6 Sedalia MO
- MoDOT Fracture Critical Inspection MOU 13 Dixon MO
- Consultant On-Call Services/MOU I-55 Sikeston MO Inspections – I-55
- Consultant On-Call CM Services Sikeston MO
- On-Call Services (Asphalt Plant Inspection) Cape Girardeau MO
- ROW Permits Network Extensions & Service Installations – Independent MoDOT Inspections / Client: ADB
- Ackerman Toyota – Boundary Survey / Client: AEDIS
- LPA On-Call Roadway Design – Master Agreement
- On-Call Surveying for Central District – Master Agreement
- Bridge Inspection MOU No. 9 Clay County 068003 NB19(770)
- Excess ROW
- I-70 LID Design of City Arch River / Client: Crawford, Murphy & Tilly, Inc.
- St. Louis City I-64 Bridges 2011-216 / Client: Horner & Shifrin, Inc.
- Sign Inspection Service Agreement / Client: Kwame Building Group, Inc.
- Sub-Surface Utility Engineering Service