

PREMIER ENGINEERING CONSULTANTS, LLC.

November 14, 2014

Kenny Voss, P.E.
Local Program Administrator
105 West Capitol Avenue
Jefferson City, MO 65102

Subject: MODOT On-Call Engineering Services - Structures

Dear Mr. Voss:

MoDOT is seeking a highly qualified Engineering Team for the **On-Call Engineering Services Contract for Structures Category**. This On-Call Contract includes plans production, cost comparisons, hydraulics, detailing and structural design. Premier Engineering Consultants, LLC (Premier) is excited to respond to the MoDOT On-Call Request for Proposal for this category because we believe that our highly qualified and experienced staff has what it takes to support this need.

As the President of Premier, I will make sure that all the necessary resources are provided to any MODOT On-Call project we are awarded. **It will be the Premier's top priority to serve MoDOT and its partners with the same high level of passion, commitment, dedication and quality in a timely and cost effective manner.** My career spans over 28 years, including **4 years working for MODOT (District 4 – Kansas City District) in the 90's**. While at MODOT, I worked on preliminary design of bridges and roadway project as an **Intermediate Highway Designer**.

Premier is a perfect fit for this on-call contract because we have a team of professionals who are both adept in all types of structural analysis, design and construction. Premier staff has nationwide experience on bridges over waterways, bridge setting for minimizing impacts and stream stability and addressing roadway, constructability, right-of-way and permitting issues. An overview of our proposed project leadership team follows:

Raymond Okuagu, PhD, PE, SE, is 28 year professional who spent part of his long career at MODOT as mentioned earlier. Prior to that, Raymond was involved in the rehabilitation of Martin Luther King Bridge in St Louis working for a consultant. Since then Raymond has continued his professional career, while completing his PhD in structural engineering. In the recent past, he has led Premier through the successful completion bridge design and related projects in the Kansas City area including:

- 91st thru 93rd Street Bridge – this 10'X240' bridge single span structure connects vital trail segment. Premier designed the substructure that included the abutments and foundation. The superstructure was pre-engineered bridge truss. Design was completed in 2013 and construction will begin as soon as funds become available.
- Three Trails bridge across Hwy 435 - Premier worked as a sub consultant to HDR on the 4-span structure with prestressed girders. Premier designed all the interior bents.
- Main Street Bridge for the City of Grandview. As the lead structural engineer for this study, we performed the conceptual bridge design work for the prime consultant. This study was completed in 2012 and the bridge is waiting to be programmed
- 93rd Street Bridge across KC Southern Rail Road – Premier staff performed a structural review of the bridge for load changes. The structure is a 50'X129', 3-span structure with prestressed girders over KC Southern Rail Road.
- Marion Park Bridge- This is a 10' X130' pedestrian bridge in Kansas City Missouri. Premier designed the substructure that included the abutments and foundation. The superstructure was pre-engineered bridge truss. This project was completed by Premier in 2012 and will be constructed as funds become available

Jianxin Ji, PhD, PE, SE will serve the Assistant Team Leader for all bridge design and related. Jianxin has a 4year history with Premier and has been involved in all structural and bridge engineering work as a Senior Structural

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engineer and Project Manager. Prior to joining Premier in 2009, Jianxin had worked for Walter P. Moore where he was also involved in the structural design of highly complex horizontal and vertical structures.

The Premier staff is well versed in the structural analysis of bridges for both dynamic and static loading as well as seismic analysis. Our staff have nationwide experience would like to bring that experience to MODOT. Our in-house structural design tools include sap2000, etabs, risa 3d, staad pro.

Mr. Rene Ngwafang will provide any needed assistance for Hydrology and Hydraulics for any bridge over water crossings and will lead our design group for any roadway related issues associated with the bridge. It is our intent to retain a Surveyor if additional survey is needed for this on-call.

Premier is uniquely qualified for the MoDOT Structures category On-Call because of the following:

- ❖ **Depth of Team Resources** – Our team includes key staff with the expertise and capacity to conduct any project efficiently and within schedule and budget. Both the lead designer and the assistance have doctoral degrees in structural engineering and experience in Bridge Design. They will ensure that any bridge design or related projects will be completed on time with little or no issues. We have the technical knowledge to address any issues that may arise during the project and aid MoDOT's in making informed decisions. When selected for any task order we will assign appropriate team members to address all project tasks. The team members will be lead by the Lead Designer and the Assistant Lead Designer.
- ❖ **Prompt Service/Nimble Size** – While there are larger firms, our clients tell us that they appreciate the dedication, quick response, and attention to detail that Premier consistently delivers to their projects. We will be there when you need us and will return correspondence the same day we receive it.
- ❖ **Schedule** – Schedule is critical to the success of any project. Premier has a strong track record of completing projects with compressed schedules. We will commit our staffing to an aggressive project schedule, and we have the capacity to maintain continuous progress on any task order from this on-call bridge design.
- ❖ **Commitment** – Premier staff is committed to continuing a successful working relationship with the MoDOT and its partners. The trust and successful performance on past projects coupled with the superior client service and technical quality will form the foundation for our relationship.
- ❖ **Quality Control** – Premier has an established process for Quality Assurance and Quality Control (QA/QC), as well as Cost Control measures, and we include those procedures that are applicable to each project task. On highly complex projects we will have our project reviewed by an outside firm as part of the QC/QA process.
- ❖ **Diverse Project Workforce** – As a minority owned and operated engineering firm, we understand and appreciate the importance and need for a diverse project team. Premier Engineering Consultants is a proud and registered "Friends of the Y" member – a support group for the YMCA of the Greater Kansas City area. Our engineering staff consists of three male and one female engineers and all the engineers play significant role on every project.

Premier's Quality Assurance/Quality Control (QA/QC) process includes peer reviews of all documents that are produced from the inception through construction for all projects. Surveys are field checked, structural calculations are reviewed by a peer on the team, plans, special provisions and estimates are all peer reviewed with notes, questions and suggested amendments.

Please contact us should you have any questions or need any additional information. Thank you for your consideration, and we look forward to your positive response to our submission and to working with you!

Sincerely,

Raymond Okuagu

President

COMPANY CAPABILITIES

ENGINEERING SERVICES - CIVIL, STRUCTURAL, PROJECT MANAGEMENT

AREA	DESCRIPTION	
Name	Premier Engineering Consultants, LLC.	
Specialty / Niche	Expertise in Engineering Consulting Services that deliver highly specialized innovation, high quality, cost-sensitive solutions for today's infrastructures	
Company Information	Established: 2005 DUNS No.: 19-610-5824	
Services	<ul style="list-style-type: none"> - Structural Engineering - Building <ul style="list-style-type: none"> • Industrial • Commercial • Institutional • Public facilities • Residential - Transportation <ul style="list-style-type: none"> • Bridges • Foundations (Shallow & Deep) • Retaining Walls • Culverts • Ramps • Platforms • Storage, Towers & Tanks • Studies 	<ul style="list-style-type: none"> - Civil Engineering - Design <ul style="list-style-type: none"> • Roadway/Highway • Site • Drainage Improvement • Storm & Sanitary Swer • Water & Waste Water • Traffic Engineering • Parking Studies • Peer Reviews - Construction Management <ul style="list-style-type: none"> • Construction Observation • Project Management • Construction Inspection • Estimating • Scheduling • General Construction Services
NAICS Codes	541620 Environmental Consulting Services 541330 Engineering Services 236220 Commercial and Institutional Building Construction 237110 Water and Sewer Line and Related Structures Construction 541310 Architectural Services 541618 Other Management Consulting Services 541690 Other Scientific and Technical Consulting Services 541712 Research and Development in the Physical, Engineering, and Life Sciences 562910 Remediation Services	
Professional Certifications	<ul style="list-style-type: none"> • PE - State of Illinois • SE - State of Illinois • SE - State of California • PE - State of Missouri, Kansas, 	<ul style="list-style-type: none"> • MBE - City of Chicago, Kansas City • DBE - Kansas, Missouri • 8a - SBA
Primary Clients	<ul style="list-style-type: none"> • City of Kansas City • Yaeger Architecture • Walter P Moore • States of Missouri, Kansas 	<ul style="list-style-type: none"> • Black & Veatch Inc. • Burns and McDonnell Engineering • USACE
Supplier Diversity	8(a) Certified - Expires 9/17/2018 M/W/DBE Certified - States of Kansas, Missouri & City of Chicago	
Past Performance	Full service Engineering & Environmental Consulting firm, specializing in Building Infrastructure, Transportation, Water and Wastewater, serving both the Private, Public and Industrial Sectors	Have been involved in the structural design of multi million dollar facility such as Arrowhead Stadium (\$400 million) and smaller facilities.
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