

November 15, 2013

Missouri Department of Transportation
MaryAnn.Jacobs@modot.mo.gov



2400 Pershing Road, Suite 400
Kansas City, MO 64108
Tel 816 329 8600
Fax 816 329 8601

Re: **Missouri's Local Program On-Call Services
Construction Inspection**

Dear Selection Committee Members,

Thank you for the opportunity to present our letter of interest to provide On-Call Construction Inspection services to Missouri's Local Program. We have supplied CE & I services for 25 years and with the MoDOT and local communities on numerous projects since 2005. Since 2005, we have supplied construction engineering services on MoDOT's system through our on-call agreement, RFQ selection and for cities.

Firm Experience

TranSystems has worked with 37 of the nation's state DOT's, many of which we have provided with on-call construction engineering and inspection services, including Kansas, Texas, Iowa, Ohio, Illinois and South Carolina. As previously mentioned, we have provided construction engineering services to MoDOT over the last 8 years. A brief sample of our relevant experience is below.

- ▶ Route 92 over Route 45 and BNSF, *Platte County, Mo.*
- ▶ I-64 Bridges Paint Removal, *St. Louis, Mo.*
- ▶ Route 150 and Relocated Thunderbird Road Interchange, *Kansas City, Mo.*
- ▶ Route 7 Inspection, *Blue Springs, Mo.*
- ▶ I-70 and Woods Chapel Road Interchange, *Blue Springs, Mo.*
- ▶ Barry Road at I-29 Inspection, *Kansas City, Mo.*

TranSystems' MoDOT Prequalifications	
Document	Expiration Date
MoDOT E-Verify	4/22/2014
Financial Pre-Qual	6/21/2014
Federal Aid Basic Training	1/1/2015
Bridge Forms	11/13/2015
Bridge QC/QA Plan	12/26/2015

Kansas DOT On-Call Construction Engineering and Inspection Services, Statewide

We have provided on call construction inspection services to the KDOT on multiple projects and continue to do so to this day. A few of our recent projects include: US 69 RED in Johnson County, 23rd Street Bridge Replacement in Lawrence and US 59 Reconstruction in Franklin County.

Iowa DOT On-Call Inspections for Bridge Painting

IDIQ Master Agreement for Construction Management Services, City of Kansas City, Mo.

Projects under this current agreement include construction management, inspection and administration for improvements to the Phelps Road and US 40 Hwy Intersection, Chouteau Trafficway and N. Indiana Avenue.

Past Performance

The culture of our construction management group has been developed through more than 25 years of on-call experience with numerous departments of Transportation. Our bedrock belief is that heavy highway construction projects should be actively managed and not passively observed. The substantial value that this active management mindset provides to a DOT cannot be understated. Reduced claims, on-time schedules, and enhanced safety of the traveling public are only a few of the visible benefits our construction management culture would deliver to MoDOT. We are a member of the Construction Management Association of America (CMAA) and use their philosophies and practice principals to guide much of our construction management practice. In addition to numerous DOT and Railroad certifications, our inspectors typically hold CPESC, NICET, and ACI certifications to inspect all facets of construction including, but not limited to, concrete, earthwork, drainage and base, erosion control, traffic control, roadway asphalt, and bridges.

We understand MoDOT's Quality Management (QM) process and related specification provisions. This process is critical to providing the correct level of inspection, testing and project management. We also possess an understanding of MoDOT's chain of command and the expected communication with the Resident Engineer for the project. Whether the Resident Engineer is needing minimal or full support, we are confident we can accomplish either based on our past MoDOT project experience and particularly, our past work history on construction projects with the Kansas City District.

The construction administrative processes for projects can demand previous experience with SiteManager. We possess this essential skill set. We grasp the coordination effort required to compose documents and pay estimates in the SiteManager software package and recognize the timeliness of this process is high on the list of expectations for the selected consultant. Our past experience with SiteManager, in MoDOT's administration system, means that we will not struggle with a "learning curve" and can hit the ground running on day one of the project.



The biggest testament to our talented personnel and the quality of our work lies with our clients from previous projects. We encourage you to contact them, as we are certain they will confirm our ability to meet project schedules on-time and within budget while assisting them in achieving their project goals.

- ▶ James Metcalfe, Kansas DOT-D4, District Construction Engineer, (620) 431-1000
- ▶ Mark Montgomery, City of Kansas City, Mo., Public Works, (816) 513-1000

Qualifications of Personnel

All of TranSystems’ key team members possess previous MoDOT construction management experience. The following includes brief descriptions of their qualifications.

Construction Team Leader, Roger Post, 25 years of experience – Roger joined TranSystems in 1988 and has spent his entire professional career focused on construction management. Roger’s construction management teams have managed more than \$500 million in DOT construction projects over the past 10 years. The culture of these heavy-highway teams has always been pro-active construction management over passive observation. Roger’s years in the Kansas City metropolitan area have engrained an understanding that DOT clients must do more with fewer resources. He certainly understands this is the reality that MoDOT currently finds itself.



Construction Manager, Michael Thomas, 34 years of experience – Mike joined TranSystems in 2011, bringing more than 32 years of MoDOT experience, where he most recently served as the District Construction Liaison for the Kansas City District. In this role, Mike provided guidance and construction advice to local agencies during the construction and closeout phases of federal aid projects, ensuring the guidelines for materials testing and construction requirements necessary to fulfill federal requirements are followed. Mike’s expertise in construction management provides him with a deep understanding of the various aspects of highway and bridge construction, as well as an understanding of contracts’ many state and federal requirements.

Construction Engineer, Kent Higgins, PE, CPESC, 31 years of experience – Kent joined TranSystems in 2012 bringing 30 years of diverse domestic and international experience in construction, engineering design, and project management. Kent has extensive experience with preparing erosion and sediment control plans for compliance with NPDES permitting. SWPPP plan preparation experience includes leading a team of scientist, GIS staff, and engineers in preparing plans and documents.

Scott Sharp, Construction Inspector, 11 years of experience – Scott specializes in construction inspection and contract management for all areas of heavy highway and municipal construction inspection. Prior to joining TranSystems, Scott was an inspector for the Kansas DOT in Olathe, Kan. Scott served as an inspector for the paint removal on the I-64 bridges in St. Louis.

Justin Gabel, EIT, Construction Engineer, 9 years of experience – Justin is a project, construction engineer for construction administration and inspection services. Justin has experience in heavy highway construction inspection, concrete paving operations, bridge coating operations, and general municipal project construction. In the last 7 years, Justin has provided construction administration and/or inspection services on 6 MoDOT bridges. For his work on MoDOT Job No. J610985N, Justin received a score of “Good” in reference to quality of staff by John Lewis with the St. Louis District.

Name	Years of Experience	Certifications																						
		Basic Inspection	Asphalt Pavement Inspection	QA/QC Asphalt Paving Specification	Concrete Pavement Inspection	ACI Concrete Field Test Technician	ACI Aggregate Field Tester	ACI Strengths Testing Technician	QA/QC Concrete Paving Specification	QC Cement Treated Base Specification	Structure Inspection	Drilled Shaft Inspection	Pile Driving Inspection	Environmental Inspector Training	Environmental Manager Training	Erosion Control	Soils Field Inspector	Traffic Control Inspection	Profilograph Operator	Comprehensive Const Mgmt System (CMC)	NACE Level 2 Coating	Nuclear Desity Inspection		
Key Staff																								
Roger Post, PE	25	<i>Formerly held most certifications which have now expired after taking management role.</i>																						
Michael Thomas	34	●	●		●	●					●												●	
Kent Higgins, PE, CPESC	31				●						●	●	●	●	●			●						
Scott Sharp	11	●	●	●	●				●	●								●	●					●
Justin Gabel	9	●	●	●	●	●	●	●	●	●	●	●						●	●	●	●	●	●	●



Familiarity

We have provided services directly to MoDOT on 87 projects and indirectly on more than 15 projects. By continually working on projects with federal funding, our staff stays current on federal project requirements. When a change in the federal requirements occurs, a senior staff member is assigned to research the change and summarize their findings. We then spread the word internally through emails, newsletter articles and our Practice Communities made up of like-minded professionals.

In addition to our federal knowledge, TranSystems is also familiar with state and regional requirements. Our local staff includes Michael Thomas, former District Construction Liaison for the Kansas City District. Mike's 32 years of experience working for MoDOT offers our staff valuable insight and knowledge on MoDOT's policies, procedures and general preferences. Combined with our previous MoDOT experience, this means TranSystems' staff will have little to no learning curve while working on your projects.

Accessibility

TranSystems will be very accessible to the local community. Once notified of their need and the desire to contract with us our office in Kansas City can mobilize staff the next day for scoping purposes. We can meet with the local community in their office or in the field at the site to review the situation and help scope the project. MoDOT would be welcome to attend this meeting.

We will provide you with contact information, including mobile numbers, for our project manager(s) and principal. All members of our key staff use smart phones and most also have tablets so we are available to you almost 24/7. Our Information Network is top-notch and is the result of years of investment and on going maintenance and upgrades. In the last five-plus years, we have had no data lost and have had no periods of unscheduled downtime due to network issues in the last two years.

During the life of the project we will communicate with the local community and MoDOT on a regular basis. We will determine what method the local community prefers for communication. We have learned from previous MoDOT and LPA experience that some PMs prefer email, some phone calls and some face to face meetings. We adapt our style of communication for each assignment. We have found that when working with local communities we must take care to explain the LPA process and how it sets the project schedule. We have also learned that the local communities need to see graphics to help them understand the project design. We have become very efficient at preparing these type of graphics.

Commitment to Diversity

TranSystems is committed to a diverse internal workforce. We broadly advertise open positions as well as posting them on our website. We recruit new staff members from universities and technical colleges that historically have had a large minority and female enrollment. Minority and female employees are encouraged to participate in our internal mentoring and development programs. We have witnessed a steady increase in the number of female and minority employees for the last three years. Since 2008, TranSystems has produced a 10 percent increase in female employees and a 108 percent increase in minority employees.

In addition to having a diverse internal workforce, we build diverse teams. TranSystems was recently notified by the US DOT that the provisions of our Mentor-Protégé agreement with Landworks Studio, LLC in Olathe, Kan. have been accepted!

Approach to On-Call Services

Once notified that we have been selected for an On-Call assignment we will take the following steps. First, we will discuss the project with the local community briefly by phone. Second, we will meet internally to assemble the correct key staff to execute the project and select the best Project Manager to lead the assignment. Third, we will schedule a meeting to discuss the scope of the project. This could be as soon as the next day if needed. This scoping meeting can be in the local community's office or in the field at the project site if preferred. MoDOT will be invited to this meeting.

Next we will prepare our detailed proposal, schedule, and fee and work with the local community and MoDOT to get an agreement in place.

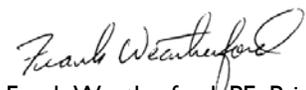
Once under contract we will establish our detailed work plan to deliver the project on schedule. Our communication with the local community and MoDOT will be on going, but adapted to the style the local PM prefers. We will update all parties on a regular basis on any interval desired and as milestones are reached.

Our goal is to make each assignment go smoothly. We employ several ex-MoDOT staff who understand what is needed so that we can deliver it the first time and reach the stated goal.

Quality Assurance Program

TranSystems' Quality Assurance Plan for construction management services consists of a multi-tiered management structure that provides a system of checks and balances to ensure project inspection and administration is accurate and timely. Staff inspectors report to the lead project inspector daily. The lead inspector reports to the project manager on a weekly basis or as needed depending on the complexity of their project demands. Quarterly reviews are performed by senior management at set milestones on every project to provide oversight and ensure internal procedures are met.

Thank you for this opportunity to be of service to you.



Frank Weatherford, PE, Principal

TranSystems' Qualifications

Presented to
Missouri's Local Program

TranSystems is a full service transportation consultant headquartered in Kansas City, Mo. with offices across the nation, including St. Louis, Mo. TranSystems realizes that cities, counties and other local entities have special requirements and unique funding challenges. We specialize in tailoring our expertise and providing personalized services to suit your specific needs while exceeding your expectations; large or small. We invite you to contact the references provided and are confident they will give TranSystems high marks for quality, timeliness, practical ideas and responsiveness.

You will find TranSystems' staff to be highly-qualified in each of the categories we are submitting qualifications. Our approach stresses an efficient work force that treats your resources like our own. This adds up to a solution that is practical and engineering services that are delivered quickly and economically.

Experience Transportation

TranSystems believes no industry impacts the quality of everyday life, and the success of business, more than transportation. The way we see it, bridges, highways, ships, warehouses, hangars, and ports are more than concrete and steel. We envision them as a living entity; a vast circulatory system designed not only to be utilized, but also to inspire and energize the people it serves.

No other transportation company masters the smallest details, and envisions the big picture, better than TranSystems. Our ability to identify and execute solutions across strategic, design, technical, and operational issues is unmatched. When it comes to moving people and products from here to there, safely and securely, we do it best.

TranSystems is comprised of nearly 1,000 professionals in 38 offices throughout the US. Professionals who are committed to providing clients in all modes of transportation architecture, engineering, planning, real estate, security, and management consulting services.



EXPERIENCE | Transportation

List of Services

TranSystems offers the spectrum of consulting services across all the modes, providing a full range of architectural, engineering and planning services; management and supply chain consulting services; transportation security consulting services; and transportation real estate consulting services. We have identified and gathered an array of best-of-class talent in key areas under one roof with one thought in mind: what skills – singly and in combination – are of most value to our clients?

Planning Services

Capital Programming
Energy Efficiency
Freight Mobility
Site and Facility Master Planning
Urban, Regional and Community Planning

Preliminary and Final Design Services

Surveying
Highway and Street Design
Bridge Design and Inspection
Site Assessment, Development and Design
Architecture
Civil / Structural
Mechanical, Electrical, Plumbing
Feasibility and Impact Studies
Bicycle/Pedestrian Trails and Sidewalks
Landscape

Routing Analysis

Signaling, Optimization & Lighting Traffic

Utility Planning and Relocation

Environmental Services

Assessments
Categorical Exclusions
Impact Statements
Noise and Air Quality Analysis
Permitting and Document Preparation
Socioeconomic Analysis Studies
Construction Services
Administration
Arbitration and Mediation
Inspection and Materials Testing
Management
Surveying, Staking and As-Built

Other Specialty Services

ITS (Intelligent Transportation Systems)
GIS Administration
Public Involvement
Safety Training
Satellite Mapping
Software Consulting
Transportation Policy Consulting
Transportation Research

Security Services

Security Program Design and Development
Operational and System Auditing
Assessments and Planning
Emergency Preparedness and Recovery
Facility Security Design
Strategic Master Security Planning

Diverse Workforce

TranSystems is committed to a diverse internal workforce. We broadly advertise open positions as well as posting them on our website. We recruit new staff members from universities and technical colleges that have historically had a large minority and female enrollment. Minority and female employees are encouraged to participate in our internal mentoring and development programs. We have witnessed a steady increase in the number of female and minority employees for the last five years. In fact, since 2008, TranSystems has produced a 10 percent increase in female employees and a 108 percent increase in minority employees.

In addition to having a diverse internal workforce, we build diverse teams. TranSystems' regularly teams with disadvantaged/minority/woman-owned business enterprises on projects, but our commitment to diversity goes beyond projects.

The US DOT started a Mentor-Protégé Pilot Program to enhance the capabilities of disadvantaged and small businesses to compete in the transportation industry. TranSystems has been negotiating a Mentor-Protégé agreement with Landworks Studio, LLC in Olathe, Kan., and we were recently notified by the US DOT that the provisions of the agreement have been accepted!



U.S. Department of Transportation
Office of Small and Disadvantaged Business Utilization

“We can see this program blossoming into agreements with other select protégé firms across the country. At one time, we needed the same kind of mentoring, so it is only right that we pass it forward.”

Quality Assurance

TranSystems has a well-established process to manage our projects. We develop a project work flow plan, a design schedule and design task budgets before we start work and monitor each on a weekly basis. We communicate with staff and subconsultants, informing them of what we need and when we need it. If appropriate, we make adjustments to the individual pieces, yet maintain the overall schedule and budget.

Project management for each project must be unique. We adapt our style of communication to what works for you and your preferred method to receive information. Whether we use email, or written weekly updates, we have prepared a wide range of tools to communicate with you and will tailor our methods to what works best for you.

TranSystems Qualifications

Key Personnel

Requested On-Call Services	Firm Years	Local Key Personnel	Key Staff Years of Experience	Key Staff Credentials
Environmental Services <ul style="list-style-type: none"> Noise Special Studies 	10	Linda Clark, PE Eric Viera	30 years 12 years	Noise Training Diverse Experience
Bridge Design <ul style="list-style-type: none"> Bridge Design Hydraulics 	47	Matt Johnson, PE, SE Allen Smith, PE, SE Erich Schmitz, PE	16 years 23 years 9 years	Structural License Structural License Pursuing PhD
General Services <ul style="list-style-type: none"> Civil Structural Architecture 	45	Mitch Lambeth, PE, PLS, LEED AP Marcia Bolton, PE Mike Pollard, AIA, LEED AP	30 years 18 years 33 years	LEED Certified Diverse Background LEED Certified
Traffic Engineering <ul style="list-style-type: none"> Traffic Studies Signals Traffic Modeling 	47	James Stanek, PE, PTOE Kevin Manning, PE, PTOE Jeff Wilke, PE, PTOE Mike Wahlstedt, PE, PTOE	27 years 7 years 12 years 25 years	All are registered Professional Traffic Operations Engineers
Traffic Structures	45	Jeff Reeder, PE Lindsay Madsen, PE Marcia Bolton, PE	32 years 13 years 18 years	Federal Experience NBIS Team Leader Diverse Experience
Surveying	20	Jeff Wright, PLS, EIT Mitch Lambeth, PE, PLS, LEED AP	15 years 30 years	Both hold civil engineering degrees
Construction Materials Testing and Inspection	25	Roger Post, PE Michael Thomas Kent Higgins, PE, CPESC Justin Gabel Scott Sharp	25 years 34 years 31 years 9 years 11 years	Management Expert 32 years at MoDOT Range of Certification Extensive Experience Diverse Experience
Roadway Design <ul style="list-style-type: none"> Roadway Trails H&H Roundabouts Lighting 3D Visualization Value Engineering Planning 	30	Nathan Pera, PE & Justin Adams, PE John Zimmermann, PE Erich Schmitz, PE Todd Thalmann, PE Greg Nelson, PE Andy Valente (Orlando) Robert Miller, PE Sara Clark, PE	15 yrs/ea 23 years 9 years 29 years 31 years 24 years 31 years 13 years	Experience Diversity Trail Expert Published Author 100+ Roundabouts 50+ Lighting Projects Extensive Experience Veteran Engineer Diversity in Projects

TranSystems Recent Experience

I-635 and Horizons Parkway Interchange, Riverside, Mo.

TranSystems provided utility master planning and the transportation infrastructure planning and design for this 1,000-acre development in Riverside, Mo. The project included storm sewer, sanitary sewer, and waterline master planning as well as an interstate interchange, street expansion and improvement, railway overpass, intersection signalization, a roundabout and new four-lane divided roadway. The \$42 million project required coordination with state and federal agencies for environmental and roadway design issues. Bridge design included four bridges on I-635 as well as a new long-span bridge over the BNSF Railroad. **References:** Kathleen Rose, City of Riverside Mayor, (816) 741-3993 and Shelie Daniel, MoDOT KC, District (816) 645-6090

I-29 and Tiffany Springs Parkway Interchange Improvement, Kansas City, Mo.

Working cooperatively with the KCI TIF Advisory Commission, MoDOT, Kansas City, Mo. and Platte County, TranSystems prepared seven alternatives and lead the group to a locally preferred alternative and completed an AJR to solve the traffic problems. We also developed a cost share concept on how the construction cost could be shared by three of the project stakeholders. TranSystems was retained by MD Management to prepare design plans, specifications and estimates for these innovative and cost-effective improvements, and to assist with the bidding of the project. The project includes converting a diamond interchange into a DDI, a ramp relocation and the relocation of water mains. Valued at \$12 million, the complex project is scheduled for completion by the end of the 2014 construction season and will manage traffic through the corridor during construction. Final plans were turned in ahead of MoDOT's schedule. **Reference:** Randy Johnson, MoDOT KC District, (816) 607-2265

Route 41 over the Lamine River, Cooper County, Mo.

TranSystems is wrapping up design services for this bridge replacement project located approximately 1.5 miles north of I-70. The bridge is being replaced with a NU-type pre-stressed concrete girder bridge. TranSystems services include the preparation of signed and sealed bridge plans, specials provisions and estimates. **Reference:** Stacy McMillan, MoDOT Bridge Engineer, (573) 526-0250

Route 92 over Route 45 and BNSF Railroad, Platte County, Mo.

TranSystems is currently providing construction inspection services and materials testing for the replacement of Route 92 over Route 45 and the BNSF Railroad. This project requires TranSystems' staff to "mirror" MoDOT's internal construction management culture and administrative processes, including extensive experience with SiteManager. In addition, our experience and capacity to successfully interact with BNSF also plays an important role in the project. Construction is expected to be complete in spring 2014. **Reference:** Perry Allen, MoDOT KC District, (816) 622-0510

KCATA Bus Wash Facility Replacement, Kansas City, Mo.

Under our existing IDIQ contract for A/E services with the Kansas City Area Transportation Authority, TranSystems designed and implemented the replacement of the existing dual-lane, automated bus wash facility at KCATA's headquarters. The scope of services also included reconfiguration of the existing open-air fueling facility west of the maintenance building and implementation of current BMPs for the processing and/or reuse of waste water from the wash operations. Additional scope included assistance in the development of a temporary fueling arrangement for buses on site and upgrades to the existing vacuum system for cleaning interiors of buses. **Reference:** Dick Jarrold, KCATA, (816) 346-0356

For more information, please contact:

Frank Weatherford
(816) 329-8775
flweatherford@transystems.com

TranSystems Offers

- ▶ **Positive Past Record of Performance**
- ▶ **Qualified Staff located in Kansas City and St. Louis**
- ▶ **Efficient Approach + Practical Design = Savings**
- ▶ **Missouri-based Firm with more than 150 Local Employees**
- ▶ **Six LPA Certified Project Managers**