



November 15, 2013

Mr. Kenny Voss, P.E., Local Program Administrator
Missouri Department of Transportation
PO Box 270
Jefferson City, Missouri 65102
ATTN: Mary Ann Jacobs

**RE: Letter of Interest
Local Public Agency (LPA) / Roadway Design**

Dear Mr. Voss:

Crawford, Murphy & Tilly, Inc. (CMT) is very interested in becoming part of Missouri's LPA team of consultants to provide professional engineering for Roadway Design. Our reputation for providing quality deliverables related to roadway design projects while incorporating cost-efficiency and innovativeness has assisted our municipal clients' ability to best improve their infrastructure more cost-effectively.

PREQUALIFICATION

CMT has the prequalification requirements and is currently prequalified as follows:

- Federal Aid Basic Training January 1, 2015
- MoDOT E-Verify August 12, 2014
- Financial Prequalification August 29, 2014

WORKFORCE DIVERSITY

CMT strives for workforce diversity and promotes diversity in all facets of our business, including LPA work. CMT's commitment to diversity has been demonstrated on previous projects such as the I-70 Interchange for the New Mississippi River Bridge, which was completed for MoDOT. This project had a 12.4% women/13% minority participation and was instrumental in CMT receiving "Consultant of the Year" from MoDOT's External Civil Rights Division. CMT was also distinguished in 2012 by the Illinois Black Chamber of Commerce as one of three recipients of the "Outstanding Business of the Year". These recognitions reflect CMT's commitment to diversity through more proactive recruitment of minorities and women, mentoring programs and initiatives.

THREE COMPANY REFERENCE FORMS

The required company reference forms are included as an attachment to this letter.

GENERAL EXPERIENCE OF FIRM

CMT has been in the transportation field since our incorporation in 1946. We have continually served federal, state and local governments during that time span providing transportation engineering services including roadway design. Since 1983, when CMT opened an office in Missouri, we have provided engineering services to numerous municipal clients throughout the state. Some of our key LPA projects are more fully described in the Past Performance section of this document.

PAST PERFORMANCE

The following projects are indicative of CMT's commitment to providing outstanding engineering services related to Roadway Design.

- **Lions Den Road.** This LPA project that was overseen by MoDOT's Local Roads group included the preparation of conceptual, preliminary, right-of-way and final plans for the relocation and widening of three miles of Lions Den Road in Jefferson County. This project also involved extensive public engagement.
- **Warrenton Historic Lighting.** CMT prepared plans for the addition of historic lighting along 1,800 feet of

sidewalk along Route 47 for this federally monitored project.

- **Wentzville Parkway.** The City of Wentzville selected CMT to provide design services for roadway widening, sidewalks, trails, drainage and signal design for a two-mile section of this highly used arterial. This was approved through the local MPO and had federal oversight.
- **Fifth Street Improvements.** CMT provided roadway design and planning services to the City of St. Charles for enhancements to create a new gateway into the City of St. Charles. Drainage, right-of-way and utility coordination along with landscape enhancements were part of the scope of this LPA project.
- **Goodfellow Boulevard.** The City of St. Louis selected CMT to provide design phase services for a 1.2-mile long roadway reconstruction project including the addition of bicycle lanes and pedestrian access. This was a LPA oversight project. The project had eight (8) cross street intersections and sixty-four (64) driveways, further complicating the design.
- **Geiger Avenue.** CMT prepared plans for a new roadway connecting Hanley Road and Florissant Avenue for St. Louis County. The project included a 404 and floodplain development permits, drainage design, sidewalks, preliminary, right-of-way and finals plans and coordination with Metro and UMSL.
- **Route 185 over I-44.** CMT provided alternative studies, preliminary plans, right-of-way plans and final roadway and bridge plans for a new overpass to solve the traffic problems. MoDOT was a cost-share partner with the City of Sullivan on this 2 ½ mile roadway and bridge project.
- **Elm Street (Hwy DD).** For the City of Marshfield, CMT provided interconnectivity and safe passage to 5 primary bicycle/pedestrian areas in the City.
- **Springfield Streetscape.** The City of Springfield selected CMT to design a streetscape with sidewalks, irrigation system, and landscaping plan on St. Louis Street for this high-profile project.
- **Preacher Road Boulevard.** CMT designed one-mile of sidewalk for the City of West Plains. ADA improvements, retaining walls, drainage studies and intersection improvements were part of the scope.
- **Church Road.** CMT provided engineering services for the City of Arnold for this CMAQ project which was the widening of a two-lane road to a five-lane roadway. Project elements included public involvement, complex traffic control and staging, drainage design, field surveys, retaining walls and access management.
- **Relocated Route 266 and new Airport Road.** The City of Springfield, Missouri chose CMT to provide highway improvements for approximately 1.5 miles of realigned Route 266 and 1.3 miles of new construction for Airport Road. The original 20-month schedule was accelerated to 7 months.
- **Route 100 Enhancements.** The City of Washington selected CMT to plan and design landscaped medians and bike lanes to the gateway stretch of Route 100. The Parks representative for the City had high praise for the landscaping plan.

QUALIFICATIONS OF PERSONNEL

R. Jay Rakers, P.E. – Jay brings 16 years of design and planning experience on transportation-related projects. He has served as a project manager, project engineer and design engineer with experience in location studies, preliminary, right-of-way and final construction plans. Jay was the Project Manager for the Lions Den Road, Fifth Street, Route 100 Enhancement, Route 266 and Wentzville Parkway projects.

Jack Blakemore, P.E. – Jack has over 21 years of experience and has served as Project Manager for several municipal projects including Goodfellow Boulevard, Warrenton Historic Lighting and Gerber Road projects.

Brian Eads, P.E., PTOE – Brian has 15 years of experience working on roadway design and traffic analysis projects for various clients including MoDOT, St. Louis County, and local municipalities. His experience includes completing detailed traffic studies and implementing these studies into constructible roadway plans.

John Keeven, P.E. – John has been with CMT since 2005, serving as both a Design Engineer and Construction Engineer. Specific design experience includes horizontal and vertical design, highway lighting, traffic signals, ADA compliant sidewalks and curb ramps, traffic control plans, and construction specifications.

Andrew Schlichting, P.E., PTOE – Andrew has 9 years of experience on transportation projects. He has extensive experience in all areas of roadway design with drainage and traffic being his areas of expertise.

Steve Prange, P.E. – Steve has 14 years of experience and leads CMT's Springfield Office. He offers diverse experience in project management with special design expertise in sustainability, practical design, roadway

geometrics, drainage, structural, and construction phasing components for a variety of county and municipal clients.

Ron Leible, P.E. – Ron has over 26 years of experience with utility coordination across the State of Missouri. He oversees all utility related work and coordination for CMT throughout the Midwest.

Greg Law, P.E. – Greg offers over 30 years of experience. He serves as the Group Manager for Highways & Bridges and will manage, oversee and assign personnel to projects as well as oversee QA/QC.

FAMILIARITY/CAPABILITY

CMT has a long history of meeting our clients’ goals on projects, whether this is through meeting aggressive schedules, using the latest technologies and software on a project or the application of cost-efficiency measures to help save construction dollars. CMT has an excellent relationship with our core group of clients and our extensive experience with their staffs gives us the familiarity to be very efficient throughout the design process. Through our projects, CMT has become intimately familiar with the processes and requirements on projects with federal oversight as well. The following table of projects shows projects that included federal oversight on LPA projects. All of these projects were completed with minimal review comments by FHWA:

- Church Road Improvements (Arnold)*
- Historic Lighting (Warrenton)*
- Schneider Road Bridge (Jefferson County)*
- Broadway Avenue Bridge (St. Louis)*
- Highway 54 (Camdenton)*
- West Terra Road – Phase III (O’Fallon)*
- Geiger Road (St. Louis County)*
- Goodfellow Blvd (St. Louis)*
- Route 100 Enhancements (Washington)*
- Lions Den Road (Jefferson County)*

ACCESSIBILITY

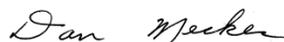
All of the assigned personnel work from both our St. Louis and Springfield offices. The entire group is highly focused on the successful delivery of services within allotted schedules set by our clients. Our Highways & Bridges Group has met 100% of their scheduled milestone dates on all of their projects over the last ten years. In addition, our team relies on responsiveness to our clients’ requests, with a goal of responding to all requests within 24 hours. The following table indicates some of our recent accelerated schedules:

PROJECT	CLIENT	CONTRACT DESIGN TIME	ACTUAL DESIGN TIME
MRB Interchange	MoDOT	14 months	12 months
Rte 266/Airport Blvd	Springfield, MO	20 months	7 months
Park Over the Highway	MoDOT	10 months	10 months
Rte 185/I-44	Sullivan, MO	24 months	21 months
I-44 Union to Pacific	MoDOT	10 months	7 months
Rte 100 Washington	MoDOT	24 months	10 months
Church Rd	Arnold, MO	12 months	10 months
US 50/63 & McCarty St.	Jefferson City, MO	24 months	21 months

CMT has enjoyed the working relationship that has been established and grown over the years with our LPA teammates. CMT offers an uncommon level of stability and staff continuity which will assist us as we move forward with more complex and exciting projects with municipalities throughout the state. We believe we have an excellent team that can provide responsive and cost efficient designs for LPA Roadway Design Projects.

We wish to thank the selection committee in advance for their time and effort in reviewing and evaluating our Letter of Interest and look forward to your favorable consideration.

Respectfully yours,



Daniel R. Meckes
President

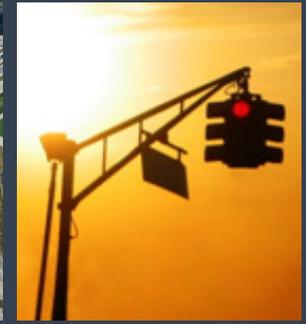
MoDOT

*Bringing Value to Missouri
Highways and Bridge
Infrastructure*



CMT

CONSULTING ENGINEERS



About CMT

Established: 1946

Firm Size: 264

Rankings

- #239 Among Top 500 Design Firms (Engineering News-Record 2013)
- #4 Midwest Civil Engineering Firm (Midwest Construction 2013)
- #6 Midwest Firm in Transportation (Midwest Construction 2013)
- #6 Design Firm in Missouri (Midwest Construction 2013)

Service Areas

- Highways and Bridges
- Aviation
- Land Development
- Water and Wastewater

Other Locations

- Springfield, IL (corporate)
- Aurora, IL
- Chicago, IL
- Columbus, OH
- Edwardsville, IL
- Indianapolis, IN
- Peoria, IL
- Rockford, IL

CMT Highways & Bridges

From complex highway interchanges in urban settings to major bridge river crossings, CMT can take a transportation project from its earliest development stages through planning, design, and construction. Whether we are working with a large transportation agency or a local community, we are responsive to our clients' needs. While meeting their goals of providing safe and efficient transportation, we also seek out community input and account for environmental considerations to provide context-sensitive solutions that assure each project succeeds on every level.

Highway and Bridge Services

- Program Development
- Planning/Feasibility Studies
- Noise and Air Quality Studies
- Environmental
- Road and Highway Design
- Bridge Design
- Traffic Studies
- Construction Phase Services
- Land Acquisition
- Structural
- Lighting
- Bikeways and Paths
- Drainage
- Public Involvement

Missouri Offices

CMT's St. Louis and Springfield offices allow us to better serve multiple regions throughout the state. Between the two offices we have a staff of over 60 employees supporting transportation infrastructure projects throughout the state.



CMT-St. Louis
Gateway Tower
One Memorial Drive, Suite 500
St. Louis, Missouri 63102
314.436.5500 fax: 314.436.0723

CMT- Springfield, MO
1631 West Elfindale
Springfield, MO 65807
417.869.6009 fax: 417.869.8129

www.cmtengr.com



New I-70 Interchange for Mississippi River Bridge

MISSOURI DEPARTMENT OF TRANSPORTATION

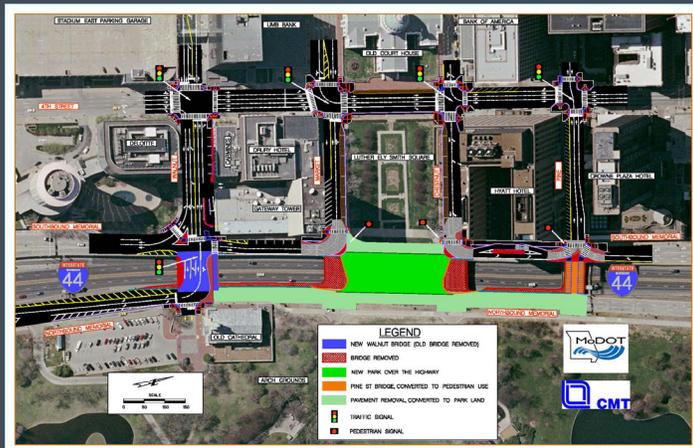
ST. LOUIS, MISSOURI

- Five new ramps providing movements to and from the new bridge to I-70 and I-44
- Seven bridges and six retaining walls
- Successful achievement of highly accelerated schedule – designed in 12 months
- Innovative Practical Design approach resulted in 30% cost reduction (\$13M)
- Reconfigured original interchange design to more economical configuration
- Documentation for route marking changes
- Complex construction staging
- Urban street designs including mobility and ADA requirements

West Terra Road Improvements

CITY OF O'FALLON, MISSOURI

- Phase I and II consisted of widening/overlay of 7400 linear ft. of roadway improvements
- Phase III consisted of 6100 linear feet of roadway improvements
- MoDOT/LPA-administered project
- Improvements included overlay, shoulder/bicycle land additions and drainage improvements
- Field surveys
- Intersection design studies
- Drainage studies
- ROW surveys and documents
- Environmental survey request
- Traffic signal design



A Park Over the Highway

MISSOURI DEPARTMENT OF TRANSPORTATION

ST. LOUIS, MISSOURI

- Very high profile project featuring a new 280 foot land bridge over I-70 connecting the Jefferson Expansion Memorial Park (Arch grounds) with the downtown at Luther Ely Smith Square
- Removal of three bridges over I-70 and reconfiguration of area traffic patterns involving improvements to a 8 square block area of downtown St. Louis
- Unique structural components
- Communication with a wide variety of stakeholders including extensive coordination with the landscape architect working for CAR2015
- Successful achievement of highly accelerated schedule – designed in 8 months
- Complex construction staging plan

Church Road Widening

CITY OF ARNOLD, MISSOURI

- Widening and relocation of a two lane roadway to a proposed five lane roadway
- Traffic study
- Successful CMAQ Funding Application
- Public involvement meetings
- Five signalized intersections
- Coordination with MoDOT (CMAQ Project - LPA Manual)
- Construction Inspection





Route 210 Widening

**MISSOURI DEPARTMENT OF TRANSPORTATION
KANSAS CITY, MISSOURI**

- 5 mile long project, converting a 2-lane rural to a 4 lane expressway.
- High traffic roadway with significant truck activity
- New roadway, drainage, signing, signals, lighting, etc.
- CMT conducted streamlined VE Study
- \$1.48M in savings (12.7%) from 63 creative ideas, 3 accepted VE Proposals

Lions Den Road Improvements

JEFFERSON COUNTY, MISSOURI

- CMT was selected for all four phases of a four mile roadway improvement.
- Widening from two 10-foot lanes to two 12-foot lanes with two 8-foot shoulders
- Prepared four alternative alignments with preliminary cost estimates
- Public Information meetings
- Funded with STP funds and MoDOT's Local Roads Group



Historic Pedestrian Street Lighting

WARRENTON, MISSOURI

- MoDOT LPA administered project consisting of approximately 2,200 feet of sidewalk to be illuminated
- Fixed construction budget
- Temporary traffic control
- Utility survey pickups and coordination
- Alternative lighting analysis utilizing IES RP-8-00 American National Standard Practice for Roadway Lighting
- Construction observation

Route 61/67 Bridge over Meramec River

**MISSOURI DEPARTMENT OF TRANSPORTATION
ST. LOUIS, MISSOURI**

- Major river crossing connecting Jefferson and St. Louis counties
- Extensive 404 PERMIT and environmental permitting
- Detailed hydraulic analysis
- Architectural enhancements
- Fast schedule was accelerated - CMT met all the required milestones

