



**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:

Crawford, Murphy & Tilly, Inc.

Firm Contact Name:

R. JAY RAKERS, PE

Contact Email
Address:

rjrakers@cmtengr.com

Firm's Mailing Address:

Gateway Tower, One Memorial Drive, Suite 500

St. Louis, Missouri 63102

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**



Infrastructure Professionals

About CMT

Established

1946

Number of Offices

25

Firm Size

500+ employees | 138 in Missouri

Number of Professional Engineers

190

Prequalifications

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

LPA/Federal Aid Basic Training

November 1, 2027

MoDOT E-Verify

November 26, 2026

Financial Prequalification

August 28, 2026

Missouri Offices

Crawford, Murphy & Tilly, Inc.

1 Memorial Drive, Suite 500

St. Louis, MO 63102

☎ 314.436.5500

1631 W Elfindale Street

Springfield, MO 65807

☎ 417.869.6009

2480 Executive Drive, Suite 212

St. Charles, MO 63303

☎ 314.436.5500

1100 Main Street, Suite 1210

Kansas City, MO 64105

☎ 816.272.8318

December 12, 2025

Ms. Ashley Buechter, PE, Local Program Administrator

Missouri Department of Transportation

105 W. Capitol Avenue Jefferson City, Missouri 65102

RE: Letter of Interest - LPA On-Call Solicitations / Multi-modal Planning/ Systems and Facilities Design

Dear Ms. Buechter:

Crawford, Murphy & Tilly, Inc. (CMT) is proud of our nearly 40-year MoDOT project portfolio and considers your state agency as one of our favorite clients; we have been able to work on so many transformational projects! CMT wants to continue our trusted relationship and are naturally drawn to being a part of MoDOT's professional services team who can provide on-call Multimodal Rail and Freight services. Our reputation for credibility and quality deliverables related to planning for multiple transportation modes has proven to streamline the decision-making processes and deliver innovative solutions that advance MoDOT's mission to provide a world-class transportation experience that is safe, innovative, reliable, and dedicated to serving customers for a prosperous Missouri.

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 transportation planning. Since 1983, when CMT opened an office in Missouri, we have provided engineering services throughout the state of Missouri, including our primary client, MoDOT. CMT offers its excellent reputation in transportation planning services for state and local governments. CMT has a well-experienced team that understands how to achieve goals while ensuring compliance with relevant regulations. CMT has multiple team members with experience in state DOT and local transportation planning and who are adept at understanding regulations and requirements. These team members have consistently demonstrated their ability to understand state and federal regulations, resulting in outstanding project development outcomes. In addition, CMT also has an excellent history of strategically identifying and engaging the right transportation stakeholders, from the public to special interests. Engagement of the right stakeholders is critical to the success of each project, ensuring that desired outcomes are achieved and that affected parties know their voices were heard and taken into account as the project is developed. Effective transportation planning is a key component of every transportation project and program at CMT .

Past Performance

BNSF CHEROKEE CRISI CORRIDOR SAFETY STUDY & MASTER PLAN | MODOT MULTIMODAL RAIL DIVISION, REPUBLIC, MO – MARIONVILLE, MO |

In 2017, CMT conducted a safety study of 29 at-grade crossings from Republic, MO to Aurora, MO on the BNSF Cherokee Subdivision. Through the use of a robust analytical approach and public involvement process, the study resulted in the consolidation of 5 at-grade crossings and safety upgrades at an additional 9 crossings. CMT developed an FRA CRISI funding application in 2018, which successfully awarded funding for the \$5M project. CMT was called upon again in 2020 to assist with the CRISI Grant Administration and to perform the design of the CRISI Grant improvements. The project design and construction were recently completed, during which CMT provided additional support to MoDOT staff with environmental clearances, FRA Grant Administration, and right-of-way acquisition. The project was one of the first of its kind performed by MoDOT and has been recognized as a national best practice for safety studies and public engagement by FHWA.



@cmtengrs | cmtengr.com

MACARTHUR BRIDGE BROADWAY TRUSS REPLACEMENT DESIGN & CONSTRUCTION | TERMINAL RAILROAD ASSOCIATION OF ST. LOUIS | The MacArthur Bridge in St. Louis is the country's fourth busiest rail crossing over the Mississippi River. The MacArthur Bridge Broadway Truss Replacement project increased the acceptable effective rail car width from 13'-4" to 15' and was completed with minimal train interruptions. CMT was selected for the project based on our experience with accelerated bridge construction methods, phasing work around live tracks, railroad bridge change-outs, and knowledge of railroad safety practices, along with our familiarity with older bridges.

BNSF CONSOLIDATION STUDY | WEST PLAINS, MO | In an effort to eliminate existing at-grade crossings and increase the overall safety for the public and the BNSF Railway, a citywide study was commissioned to determine the feasibility of permanently closing and eliminating multiple at-grade highway/rail crossings throughout the city. The study prioritized and determined the feasibility of at-grade closures with the need for future overpass locations throughout the city limits to further enhance long-term safety benefits for the community. The study also included a comprehensive review of the entire transportation network, emergency response time, and economic development opportunities generated from an extensive community involvement process. The city had adopted a long-term plan for safety enhancements that includes the possibility of multiple closures and overpass recommendations throughout the city.

RAIL PROGRAM ASSISTANCE | MoDOT MULTIMODAL RAIL DIVISION | In 2024, MoDOT retained CMT to provide staff augmentation services in support of administering MoDOT's railroad program. CMT provided staff who worked as an extension of MoDOT staff to help ensure MoDOT's rail projects maintain forward momentum. Services included STIP planning, railroad coordination, staff training, JSP creation, and PS&E plan review.

FY23-24 THAYER-NORTH CRISI GRANT | MoDOT MULTIMODAL RAIL DIVISION | CMT led efforts in 2024 to develop a \$130M+ FRA CRISI Grant to overhaul safety along the BNSF Thayer-North Subdivision from Springfield to the Arkansas State Line. The corridor included 154 highway intersections and 77 highway-rail grade crossings. CMT led efforts for safety analysis, freight planning & volume analysis, project identification, roadway conceptual analysis, engineering, stakeholder coordination, railroad coordination, and grant application development.

KENNEDY AVENUE RAIL OVERPASS | TOWN OF SCHERERVILLE, IN 143RD STREET EXTENSION INFRA GRANT | VILLAGE OF PLAINFIELD, IL | CMT led the development of an \$8.5M Railroad Crossing Elimination (RCE) grant application to fund the grade-separation of a critical roadway connection in the Town of Schererville, IN. Our team coordinated closely with the Town, the Federal Railroad Administration (FRA), and prepared a comprehensive application that successfully secured funding. Following the award, CMT has continued to

support the Town by providing FRA grant administration and coordination services throughout the project's life.

Qualifications of Personnel

Eric Curtit | Eric's past role as MoDOT's Administrator of Railroads offers excellent insights into understanding MoDOT's Multimodal Operations Division. Eric's tenure leading the Railroad section was highlighted by the many improvements he made to the section and division, including creation of the new method to improve safety for at-grade crossings. This innovative method was later adopted by FHWA as a national best practice and led to many advancements in safety. Eric has extensive experience working with railroads and all stakeholders in the industry. The methods and policies created under his leadership are still in use by MoDOT today, and are replicated by other state DOTs as a national best practice.

Steve Prange | With over 20 years of experience, Steve has been responsible for managing multi-discipline design groups on over \$1B in transportation projects throughout the Midwest. Steve serves as CMT's railroad practice leader for private, municipal, state, and federal infrastructure projects and is a strong advocate for rail consolidation and safety improvements. He offers a diverse experience in planning, funding, negotiating, and partnering with over 40 railway companies to deliver fast-track projects.

Matt DeMoss | Joining CMT in 2017, Matt has been instrumental in advancing rail corridor safety, grade crossing improvements, and quiet zone efforts for DOT's and LPA's across the Midwest. With his comprehensive understanding of rail infrastructure, he frequently serves as CMT's Railroad Project Engineer, working closely with all Class I railroads. He works closely with numerous DOT's and LPA's across the Midwest to improve rail safety and streamline public project coordination. Additionally, Matt frequently assists CMT's clients with navigating FRA grant development and administration.

Ally Fields | Ally serves as CMT's Community Enhancement and Government Affairs Manager. Ally is instrumental in not only seeking out, applying for, and drafting grant applications, but also in coalition building. She focuses her efforts on assisting clients in tackling funding challenges. She has led the successfully-awarded USDOT applications, including multiple FRA Rail Crossing Elimination Grants.

Doug Gregory | Doug brings 19 years of experience as lead planner and project manager for a wide range of client initiatives and oversees consulting efforts for master plans, airspace analysis/ obstruction mitigation, benefit-cost analysis, environmental NEPA processing, travel demand projections, GIS and asset management, and land acquisition.

Jacque Knight | Joining CMT in 2022, Jacque brings a multimodal planning lens to the team that focuses on safe mobility for everyone. She brings a system-wide perspective

to understanding the transportation needs within the context of the various communities in which they are located. Her expertise focuses on the interactions of various transportation modes and the movement of people - especially in dense, urban settings. With a previous employer, Jacque was the planning lead on the St. Louis Downtown Multimodal Plan in St. Louis, MO, which included consideration of mobility and interconnectivity of the transportation network to the Downtown Amtrak station. She also recently served a key role on the recent SW Chief passenger rail corridor study, with a focus on maintaining a safe route for passenger rail.

Jared Wigger | Jared is an accomplished transportation engineer specializing in rail infrastructure, with extensive experience in engineering, design, inspection, rehabilitation, and replacement of transportation structures. He has successfully managed complex rail bridge and retaining wall replacement projects, overseeing construction methods and coordinating subcontractors and stakeholders. In addition, Jared brings deep expertise from years of working for and collaborating with railroads.

Larry Schepeler | Larry has over 30 years of transportation and railroad experience. In his previous employment at MoDOT, he coordinated all Department projects impacted by railroads to ensure they moved seamlessly through the railroad's processes. He has extensive experience with each railroad's unique requirements for public project delivery and well-established working relationships with all railroads operating in Missouri.

Familiarity/Capability

CMT is a recognized leader in multi-modal planning and systems design, delivering integrated solutions that connect rail, roadway, and freight facilities for maximum efficiency and safety. Our long-standing partnership with MoDOT demonstrates our ability to meet aggressive schedules, apply innovative technologies, and implement practical design strategies that reduce costs without compromising quality. We bring deep expertise in planning and designing complex transportation systems and facilities, ensuring seamless coordination across modes.

CMT's extensive and well-established relationships with all railroads operating in Missouri give us a unique advantage in multi-modal projects. This connectivity enables us to anticipate operational needs, streamline approvals, and design facilities that optimize rail and freight integration. Our experience spans projects with federal oversight, where we navigate regulatory requirements and funding strategies with precision. From conceptual planning to detailed design, CMT delivers solutions that enhance connectivity, improve system performance, and support long-term economic growth.

The following table highlights key projects that demonstrate CMT's leadership in multi-modal planning, rail and freight systems integration, and facility design excellence.

- Southwest Chief Passenger Rail Study
- I-44 & Route 13 INFRA Application
- US 60 & Thayer-North Webster County Corridor Study
- Wentzville Rail Consolidation Study
- Corridor ID Passenger Rail Study



Accessibility/Responsiveness

Most all our assigned personnel for multi-modal rail and freight services are based out of our Missouri offices and available for in-person & virtual collaboration, as necessary. This group is highly focused on the successful delivery of services within allotted schedules and has the ability to pull resources to streamline delivery for our clients. Our Missouri Transportation Team is known for listening and sensing the needs of our clients, developing innovative solutions, meeting scheduled milestone dates, and maintaining budget. In addition, our team prioritizes responsiveness, with a goal of responding to all requests within 24 hours.

Over 90% of our team works inside a CMT office to optimize communication and efficient collaboration. When necessary, they effectively use Microsoft Teams for meetings and are equipped with laptops, cell phones, and I-pads to conduct business, with the backing of a strong IT department who keeps our Bentley ORD software, technology, and computers running smoothly.

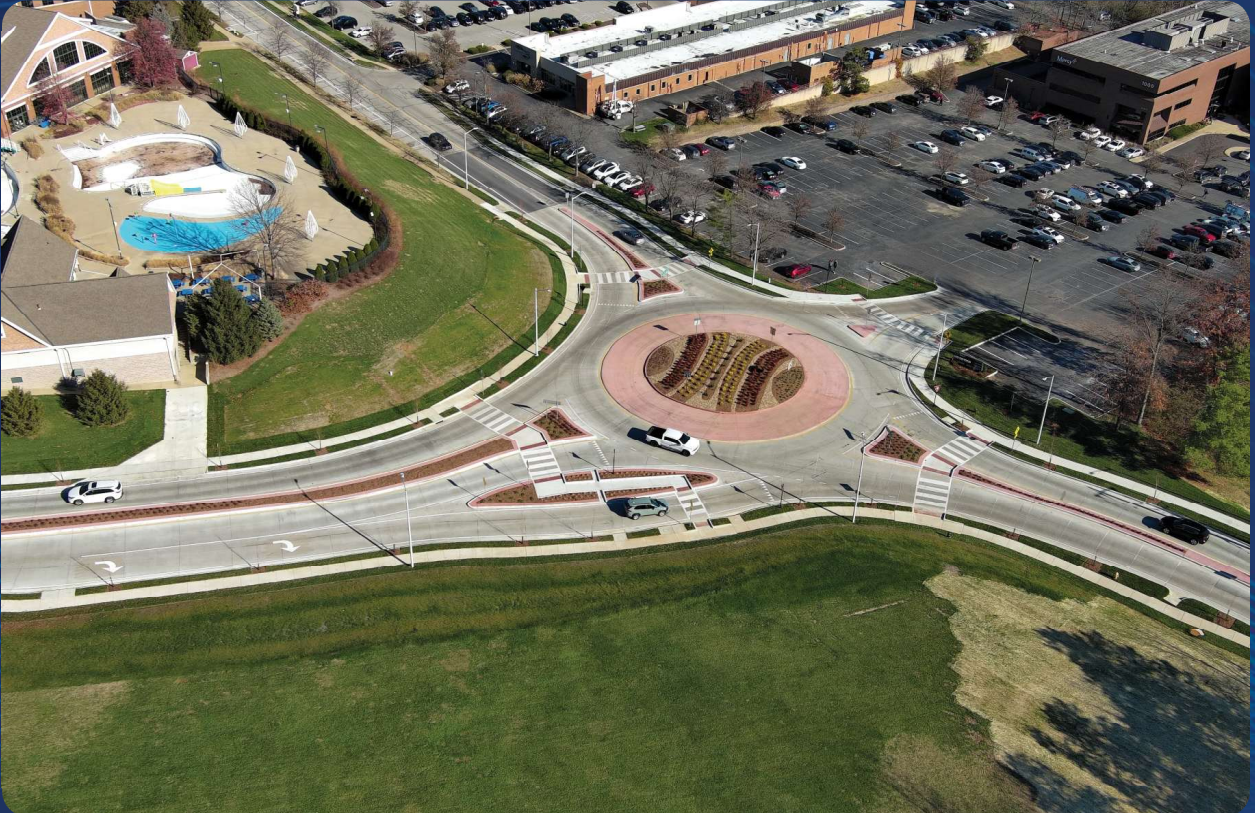
We wish to thank the selection committee in advance for their time and effort in reviewing and evaluating our Letter of Interest and look forward to your favorable consideration.

Respectfully yours,



R. JAY RAKERS, PE
Principal / Group Manager
✉ rjrakers@cmtengr.com
☎ 314.571.9069

Elevating Infrastructure, *together*



Crawford, Murphy & Tilly, Inc. Company Brochure

Local Public Agency On-Call Services
(for Missouri's Local Program)

December 12, 2025



Infrastructure Professionals



Elevating infrastructure, *together.*

About CMT

Established

1946

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Firm Size

500+ employees

Number of Professional Engineers

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Missouri Offices

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Firm Overview

Since 1946, our dedicated team of engineers, planners, scientists, and other professionals has partnered with clients to elevate infrastructure through a shared commitment to innovation and excellence. From planning and engineering to asset management, we guide every step to provide maximum value in every project.

But the real impact is on people. By working together, we create infrastructure that enhances communities and empowers our employees to thrive. We don't just build infrastructure – we elevate it, making our communities more livable, sustainable, and connected for a better future.

CMT's core service areas include surface transportation, aviation, water resources, and site and building development. Our multidisciplinary teams offer services such as civil engineering, planning, environmental consulting, traffic analysis, utility coordination, permitting, and floodplain studies. We integrate technical excellence with regulatory insight so projects meet both performance goals and compliance requirements.



**Senior Vice President
– Director of Business
Development**

STEVE PRANGE, PE

417.799.6253

sprange@cmtengr.com



**Group Manager –
St. Louis Surface
Transportation**

R. JAY RAKERS, PE

314.368.2797

rjrakers@cmtengr.com



**Group Manager –
Springfield Surface
Transportation**

ANDY MUELLER, PE

417.799.6250

amueller@cmtengr.com



**Group Manager –
Kansas City**

JERRY BOLLINGER, PE, PTOE, RSP1

317.492.9173

gbollinger@cmtengr.com



**Vice President,
Construction Services
Manager – Missouri**

KEVIN FULLER, PE

314.571.9061

kfuller@cmtengr.com



@cmtengrs | cmtengr.com



Major Areas of Expertise

From complex highway interchanges in urban settings and major bridge river crossings to municipal services and tailored streetscape designs, 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, CMT is responsive to our clients' needs. While meeting client-driven goals of providing safe and efficient transportation, we also seek out community input and account for environmental considerations. All of this helps us to provide context-sensitive solutions that supports project success on every level.

Roadway Design

- Traffic Calming
- Roadway Geometrics
- Project Development Reports
- Drainage & Stormwater Management
- Intersection Design Studies
- Interchange Type & Design Studies
- Pavement Evaluation and Design
- Life Cycle & Cost/Benefit Analysis
- Roundabout Design
- Roadway Lighting/Signing
- Complete Streets
- Sidewalks/Multi-Use Paths/Trails

Bridge and Structural Design & Inspection

- Pedestrian Bridges
- Prestressed I-Beam Bridges
- Precast, Prestressed Concrete Deck Beam Bridges
- Concrete Slab Bridges
- Steel Stringer with Cast-in-Place Concrete Deck Bridges
- Steel Plat Girder Bridges with Horizontal Curves
- Major River Crossing Structures
- Bridge Hydraulic Analysis and Bridge Condition Surveys
- Bridge & Culvert Rehabilitation

Construction Services

- On-site Construction Inspection
- Construction/Materials
- Documentation

Transportation Planning

- Agency Coordination
- Feasibility, Corridor & Location and Alignment Studies
- Public Involvement & Participation
- Phase I, Preliminary Design (Federal Aid Projects)
- Alignments & By-Pass Studies
- Interstate Access Justification
- Pavement Management Systems
- Value Engineering
- Roadway Safety Audits

Environmental Compliance

- NEPA Compliance
- Environmental Impact Statements
- Environmental Assessments (EA)
- Wetlands
- Endangered Species
- 404/401 Permitting
- Phase I & II Property Assessments
- Noise Compatibility/Monitoring
- Air Quality Studies

Land Acquisition

- Right of Way Documents
- Property Surveys
- Right of Way Acquisition
- Relocation Services

Traffic Systems

- Traffic Signal Systems
- Traffic Impact Studies
- Traffic Analysis/Capacity Analysis
- Traffic Simulation Modeling
- Impact Traffic Management
- Traffic Calming Studies
- Safety Studies

GIS Technology & Asset Management

- Needs Assessment
- Database Design
- Applications Development
- Data Conversion
- GIS Facility Data Collection

Rail Engineering & Planning

Utility Coordination

Land Surveying

Asset Management

Value Engineering

Delivering Value to Local Public Agencies

SAVINGS & PERFORMANCE



I-70 & Mississippi River Bridge Interchange
- MODOT & St. Louis, MO

Innovative & streamlined
project development
process **saves MoDOT**

28%



I-70 & Route MM Interchange
- Warrenton, MO

CMT delivered preliminary through final plans on
this developer driven, fast-tracked Interchange
project in

8 Months

Saving Money

We know that going over budget is not an option. CMT is consistently commended on our ability to not only remain within budget, but often identify opportunities to either save money or maximize the money already being spent.

Beating Schedules

Through streamlined communication and proven workflow processes, CMT routinely demonstrates our commitment to meeting schedules or fast-tracking schedules to address specific client goals.

Performance-Based. Value-Driven.

At CMT, we know that costs and schedules aren't the only contributors to successful projects. True transformation happens when the resulting infrastructure is more efficient and functional.

As pioneers in performance-based project development, CMT helps our DOT clients leverage their investments to create greater value and enhanced project performance.



Achieving Recognition

CMT's innovative and collaborative solutions are routinely honored with industry awards for excellence and client satisfaction.

Des Peres Roundabout

- 2025 APWA Missouri
- Transportation Project of the Year

Mississippi River Bridge Project

- 2014 ACEC Missouri Grand Award
- 2019 America's Transportation Award

Park Over the Highway

- 2019 America's Transportation Award
- 2017 ACEC National Recognition Award

20th Street Cycle Track & Mobility Project

- 2023 APA St. Louis
- Outstanding Planning Practice Award