Crawford, Murphy & Tilly

Founded in 1946, CMT is a Midwest-based and nationally-ranked professional consultant providing planning, engineering and construction services to both the public and private sector. CMT provides leadership in civil infrastructure by leveraging shared knowledge, staff longevity and unique insights. For 70 years, the company and its nearly 270 employees maintain its trademark level of service and commitment to clients that translates into long-term relationships and enhanced value to our clients’ projects.

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 ADA Compliance
- Drainage and Bridge Hydraulics
- Public Involvement
- Utility Accom. and Coordination
- Value Engineering
- Surveying
- Traffic Structures
- Construction Materials & Testing
- Signals

Missouri Offices

CMT’s St. Louis, Kansas City and Springfield offices allow us to better serve multiple regions throughout the state. Between the three 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

CMT- KANSAS CITY, MO
211 NW Executive Way, Suite H
Lee’s Summit, MO 64063
816.607.5920 fax: 314.436.0723
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
- Approved EIS footprint limited the number of geometric alternatives
- Diverse group of firms teamed to complete the project
- Plans subdivided into four separate lettings
- Coordination with adjacent River Bridge project, City of St. Louis, IDOT, FHWA, MSD and a large developer
- Construction staging and interstate detour routes
- Utility Coordination
- Roadway Lighting Plans
- Drainage Design – DOT and MSD design criteria
- Special Drainage Structure Design on Interstate 70
- Signal plans and extensive sidewalk/ADA design for city streets

Lay Road Sidewalk & Road Improvements (LPA)

MoDOT

LADUE, MISSOURI

- MoDOT LPA project focused on the construction of a new ADA-compliant 3400 foot sidewalk adjacent to a new curb line along Lay road
- Pavement mill and overlay
- Driveway ADA reconstruction
- Decorative retaining walls
- Landscape replacement plan
- MSD drainage modifications/coordination
- Utility coordination
- Topographic and right-of-way surveys

National Avenue and Republic Road (LPA)

CITY OF SPRINGFIELD, MO

- Widening of existing three lanes to five lanes with a signalized intersection
- 6500 linear feet of roadway improvements
- Intersection and corridor accommodated new on-street bike lanes and sidewalks on both sides with pedestrian signals
- Included a value engineering study
- Boundary surveys
- Right-of-way acquisition of over 40 parcels
- Extensive utility coordination

Wentzville Parkway Turn Lane and Sidewalk/Trail Project (LPA)

CITY OF WENTZVILLE, MISSOURI

- Pavement widening, and reconstruction to allow for a minimum 63-foot wide typical section
- Six-foot sidewalk on the north side
- Ten-foot multi-use trail on the south side
- New curb and gutter using Type O mountable curb
- Decorative retaining walls
- Relocated drainage system
- Continuous street lighting
- Interconnected signals
- ADA curb ramps and corridor
- Topographic and right-of-way surveys
- Construction inspection
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
- A new Walnut Street Bridge, converted Pine Street Bridge to a pedestrian only bridge, extensive and complex ADA issues and traffic calming measures along with lighting, 9 signalized intersections and signage
- 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
- Utility coordination
  - Steam line relocation on land bridge
  - 8 new service connections with Ameren
  - National Park Service fiber relocation
  - 31 utility manhole/valve adjustments with 10 utility companies
  - AT&T and Ameren relocations at Old Cathedral
  - 15 fire hydrant relocations

Fifth Street Gateway and Enhancement Project (LPA)
ST. CHARLES, MISSOURI
- Three LPA (or STP) projects were let in combination and included additional City and County funding
- Pavement widening, rehabilitation and reconstruction
- “River Wall” that serves as the gateway to the corridor
- Decorative retaining walls
- Curb and gutter
- 10-foot wide sidewalks
- Streetscape aesthetics including decorative street and pedestrian lighting
- Public and community involvement

Sullivan, MO Elmont & Springfield Signal (LPA)
SULLIVAN, MISSOURI
- LPA Project for the design and construction inspection of a new signalized intersection and ADA improvements.
- Traffic Signal Design
- Fiber Optic Interconnect
- Intersection Lighting Design
- Intersection and ADA Improvements
- Traffic Control
- Utility Coordination

West Terra Lane Widening (LPA)
O’FALLON, MISSOURI
- Widening/overlay of a 7,400 linear feet of roadway improvements
- Shoulder/bicycle lane additions
- Drainage improvements
- Topographic and right-of-way surveys
- Preliminary plans, right-of-way plans and final PS&E
- Drainage design
- Intersection ADA/signal improvements
- Traffic control
- Utility coordination
- Safety improvements
- Public involvement