

November 15, 2013

MoDOT Central Office—Local Programs Administrator  
c/o MaryAnn Jacobs  
Intermediate Planning Technician  
105 West Capitol Ave.  
PO Box 270  
Jefferson City, MO 65102-0270

RE: Missouri's LPA On-Call Services, Roadway Design

Dear Ms. Jacobs and Members of the Selection Committee:

Thouvenot, Wade & Moerchen, Inc. (TWM) is a 100% employee-owned firm providing Civil and Structural Engineering, Land Surveying, and Planning Services to the St. Louis metropolitan area, as well as throughout Missouri, Illinois, and the Midwest. Since our inception in 1946, TWM has expanded into five primary disciplines – Transportation, Structures, Land Development, Water / Wastewater, and Surveying. All of our five offices are local, making us the 13th largest engineering firm in the entire St. Louis region. Either our downtown St. Louis office or St. Charles office will lead any roadway design project with collaborative support from our full Transportation Department.

Please accept this letter as our expressed interest in providing professional services to Missouri's Local Program Agencies for roadway design projects.

#### **GENERAL PROJECT EXPERIENCE**

TWM designs hundreds of projects each year for a wide spectrum of clients. Over more than 65 years, that adds up to a wealth of experience. Included within that are some recent roadway design projects such as these:

##### ***Monroe Street (Local Funds)***

Reconstruction of 300' of downtown commercial street and sidewalks in St. Charles, MO to achieve compliance with current U.S. Access Board PROWAG criteria. Also included land acquisition documents, utility coordination, pavement designs, and securing of environmental clearances.

##### ***Technology Drive/MO 364/US 40/61 (State and Local Funds)***

Extension of Technology Drive (formerly Feise Road), an east-west arterial. New roadway on new alignment, 36' concrete pavement, curb and gutter with storm sewer system. Existing shallow rock was accommodated in design.

##### ***Huntwood Road (STP and HPP Funds)***

Existing 2-lane oil and chip roadway replaced with 3-lane 36' HMA pavement, curb and gutter with storm sewer system, across road box culvert, and sidewalk on both sides. Included significant staging plan, mid-block flashing beacon/push button crossing at two schools, and APS and emergency vehicle priority system for fire station at the intersection with State Route 159, a five-lane arterial. Services also included land acquisition documents, utility coordination, securing environmental clearance, traffic signal design, intersection design study, and surveying.

##### ***Wherry Housing Road (Co. Hwy Funds)***

Existing County Road enhanced to serve as emergency entrance/exit to Scott Air Force Base. Existing pavement widened from 22' to 24', treated with reflective crack control, and overlaid with 2.5" HMA. Earth shoulders were replaced with new HMA shoulders.

##### ***MetroBikeLink (Federal Enhancement and Local Funds)***

New 10' HMA shared-use path adjacent to Metro ROW, connecting Memorial Hospital Metro Station with Belleville Metro Station. Includes 3 major signature bridges and



#### **PROJECT MANAGER**

**Sheila Kimlinger, PE, SE**

#### **Professional Licensure**

PE: MO 2007, IL 1994, IN 2012  
SE: IL 1995

#### **Education**

MS, Civil Engineering - 1991  
BS, General Engineering - 1989

#### **Contact**

Ph. (314) 241-6300  
F. (314) 241-2391  
skimlinger@twm-inc.com

#### **TYPICAL TRANSPORTATION DESIGN PROJECTS:**

- Widening, resurfacing, pavement reconstruction / rehabilitation, new alignments, & bridges on urban streets, rural routes, highways & interstates
- Utility design & coordination
- Right of way
- Environmental clearance
- Traffic signals
- Lighting
- Traffic & intersection design studies, traffic impact analyses, access justification reports, corridor alignment studies
- Interchange design
- Surveying
- Sidewalks, trails, bikeways, & greenways
- Parking lots
- Annual street maintenance program assistance

#### **THOUVENOT, WADE & MOERCHEN, INC.**

720 Olive Street, Suite 200A, St. Louis, MO 63101  
Phone: (314) 241-6300 Fax: (314) 241-2391 [www.twm-inc.com](http://www.twm-inc.com)

**EXCEPTIONAL SERVICE.  
NOTHING LESS.**

multiple foot bridges, culverts, retaining walls, and drainage facilities. Included 7.5 acre wetland mitigation site. Built in two phases over three years.

#### **Fullerton Road (STP and CMAQ Funds)**

Added a left-turn lane into adjacent developments, added sidewalks to the northern side, and widened and improved the intersection at State Route 159, including signal modifications for turn lanes and pedestrians. A mid-block crossing with push button, audible system, and flashing lights for Metro Station access was also included. Service scope included land acquisition documents, environmental clearance, utility coordination, and surveying.

#### **ADA Curb Ramp Replacements in University City (Local Funds)**

For this fast-track project, detailed plans and quantity tabulations were developed for removal and replacement of several ADA-deficient curb ramps. Evaluated existing curb ramps with PROWAG requirements, completed topographic/planimetric surveys and suitable replacement designs, including plan drawings of each. Performed field surveys, which contained establishment of independent ground control and a topographic/planimetric survey at each replacement.

### **PAST PERFORMANCE**

Our 65+ year history of serving public sector clients includes countless instances of our ability to deliver ‘on time’, ‘in budget’ and ‘done right.’ For example, TWM value engineered the replacement of Union Road over I-55 in St. Louis County for MoDOT and Fred Weber, Inc. Under a condensed time schedule, TWM designed the structural steel and sent the plans to the steel fabricator for production while TWM continued designing the roadway details. Redesigning for efficiency and economy, TWM lowered the project cost by \$430,000. Our engineers worked long hours and remained dedicated to the effort to assure that the project was done right and on time, because that’s what we mean by “Exceptional Service. Nothing Less.” As an additional indication of past performance, note that only about 15% of TWM’s workload each year comes from new clients. The rest - 85% - is repeat business.

Many municipal clients will tell you that TWM is their ‘go-to’ firm and that client satisfaction with the design process is one of our greatest strengths. We engineer quality plans that result in minimal change orders during construction, efficiently and effectively planning and designing with the owner’s needs, budget, and schedule as the highest priorities.

As a part of this on-call submittal process, we have provided three reference forms, all of which have rated TWM as “Excellent” for our roadway design work. In addition, each of the descriptions of similar projects within our marketing brochure includes client contact information. We encourage you to call them for their candid opinion of our past performance. Or visit our webpage at [www.twm-inc.com](http://www.twm-inc.com) and choose any of the many projects we have listed, then call those clients and ask them for an unvarnished perspective.

### **QUALIFICATIONS AND KEY PERSONNEL**

We have proposed that Sheila Kimlinger, P.E., S.E., serve as Project Manager. Sheila has 22 years of experience in designing and managing transportation and structural projects throughout the Midwest. Sheila will be supported by a full team of local TWM engineers, surveyors, and technical staff, including Scott Goforth, P.E., who will serve as Deputy Project Manager. The table on the following page depicts the breadth and depth of the experience among our staff, any of whom would be available to work on the project team or lend their expertise to your roadway design projects.

While TWM can handle nearly every aspect of a roadway design project, we frequently partner with other firms for services, such as geotechnical engineering and environmental reports, and to fulfill DBE goals. Depending on the client’s specific needs, we have the flexibility and established relationships to build the team best suited to the project at hand.

TWM is proud to be an equal opportunity employer and never bases hiring decisions on race or gender. We have a voluntary affirmative action plan in place to encourage applications from a diverse population, and we actively recruit through channels that help reach those potential applicants. We also seek talented women within the engineering community. Currently, 36% of our individual shareholders, 31% of our managers, and 31% of our professional engineers are female—nearly double the St. Louis Metropolitan Statistical Area (MSA) availability figure of 16% female engineers. TWM strives to achieve a mixture of backgrounds and experience on every project in order to broaden the dynamics of the project team. By building a project team where age and background ranges significantly, TWM is able to combine conventional engineering methods with today’s technology, resulting in a more efficient and higher quality product. TWM’s current mentoring practices enhance professional growth among our diverse workforce of experienced managers as well as staff who are in earlier stages of their careers.



TWM Experience	Years Experience	MODOT LPA Management Class	Roadway (Widen, Resurf, Reconstr)	Intersection / Geometrics	Drainage / Hydraulics	Utility Coord.	ROW - Land Acq	Environ Clear	Traffic / Signals	Lighting	Surveying	Sidewalks / ADA	Parking Lots	Public Coord. Meetings
Sheila Kimlinger, PE, SE	22	X	X	X	X	X		X				X		X
Scott Goforth, PE	9	X	X	X	X	X						X		
Barry Roberts	43					X			X	X			X	
Mike Barnal, PLS	40						X				X			
Rob DeConcini, PE	23		X	X	X	X	X	X	X			X	X	X
Tony Erwin	20		X		X	X	X					X		X
Paul Hanson, CFM	17	X	X	X	X	X						X	X	X
Matt Kitzmiller, PE	13	X	X	X	X	X	X	X	X			X	X	X
J.R. Landeck, PE, PLS	11	X	X		X	X	X				X	X		
Nick Smock, PE	10	X	X		X	X						X	X	
Jeff Taylor, PE	9		X	X	X	X			X	X		X	X	X
Michelle Schwierjohn, PE	8		X	X		X			X			X	X	X
Josh Stein, PE	7	X	X	X	X	X	X	X				X		X

**FAMILIARITY & CAPABILITY**

We understand that the new LPA on-call list will become effective in Spring 2014. At this time all of our key personnel have the availability to be dedicated to their respective roles on the project team of any project for which we are selected. In addition, because our staff is all local to the greater St. Louis area, TWM is able to temporarily reassign and/or relocate staff as necessary to complete short project deadlines, a common occurrence for on-call type projects. Based on our committed workload to date, our availability firm-wide is 44.1% for 2014 and 97.7% for 2015. TWM’s specialized experience in roadway design allows us to successfully engineer highway plans and related design studies unique to each Local Agency.

Because TWM is quite familiar with working on federal projects, you can rest assured that your roadway design project will be compliant with federal law. In the last 10 years, we have completed 16 local roadway design projects with State and / or Federal funds. We are fully capable of providing the full range of services required to produce plans, specifications, and estimates to meet federal requirements. We have an impressive record of keeping projects on time and in budget for the Local Agencies we serve, and we will work diligently to meet your needs.

**ACCESSIBILITY**

TWM will manage your project from either our St. Louis or St. Charles office, depending on the project location. As mentioned above, however, our staff is readily available to easily shift locations to form project teams or to work closer to specific projects. We are also able to quickly establish new locations if required by a specific project or client. We aim to remain flexible in order to quickly respond to changing needs.

Our mission at TWM is “Exceptional Service, Nothing Less.” The success of a project has a direct correlation to the quality of service and deliverables provided by the chosen consultant. A part of providing Exceptional Service to our clients is being 100% accountable for the deliverables that we provide over the course of our partnership. Therefore, in order to fulfill our mission, quality must be and is a top priority in our daily efforts.

All of the employee owners of TWM appreciate the opportunity to submit this LOI and welcome the possibility of demonstrating to you firsthand our capabilities and our level of client service on your projects. Should you need additional information or have questions, please feel free to contact me by phone at (314) 241-6300 or by email at skimlinger@twm-inc.com.

Sincerely,

Sheila Kimlinger, P.E., S.E.  
 Manager, Transportation Engineering / Proposed Project Manager



**Missouri's  
Local  
Program**  
*for community  
development*



**ROADWAY  
DESIGN**

TWM's broad roadway design expertise ranges from new construction, re-alignment, reconstruction, and widening projects on local streets, rural and urban highways, and Interstates—including one of the first diverging diamond interchanges for the State of Illinois—to simply assisting municipalities in the planning and implementation of their annual street maintenance programs. Key examples are highlighted on the following pages.



When it comes to a system of streets and highways, safety and efficiency are undeniably top priorities. But in today's economy, the solutions to transportation challenges also need to be affordable. TWM's focus is on helping our clients find the best alignment between effectiveness, efficiency and economy. We strive for solutions that not only work, but also work "smart", are practical, and within budget.



That's because we understand the challenges our clients face. Our years of experience working for local municipalities, counties, and the DOTs in Missouri and Illinois have made us experts in the practices and procedures of transportation engineering. Our staff is proficient not only in design, but in related planning and pre-design activities as well, including NEPA requirements, bridge hydraulic & scour analysis, drainage design, traffic and intersection design studies, and maintenance of traffic. Our professional services also include funding and regulatory coordination, public involvement, land acquisition documents, and construction phase engineering.



**Transportation Services**

- Widening / resurfacing / new alignments
- Reconstruction / rehabilitation
- Traffic studies / impact analyses
- Utility design & coordination
- Environmental clearance
- Corridor alignment studies
- Traffic signals & lighting
- Interchange design
- Sidewalks & trails
- Right of way
- Parking lots
- Surveying



**THOUVENOT, WADE & MOERCHEN, INC.**

■ 720 Olive Street, Suite 200A, St. Louis, MO 63101  
 ■ Phone: (314) 241-6300 Fax: (314) 241-2391

■ 400 N. Fifth Street, Suite 101, St. Charles, MO 63301  
 ■ Phone: (636) 724-8300 Fax: (636) 724-8304

[www.twm-inc.com](http://www.twm-inc.com)

**OWNER:**  
City of St. Charles, MO

**CONTACT:**  
Kevin Corwin, P.E.  
City Engineer  
200 N. Second Street  
St. Charles, MO 63301  
(636) 949-3237

**COMPLETION DATE:**  
2011

**CONSTRUCTION COST:**  
\$198,000

**TWM RESPONSIBILITIES:**  
Civil Engineering  
Land Surveying  
Construction Staking

**TWM CONTACTS:**  
Robert S. DeConcini, P.E.



### MONROE STREET RECONSTRUCTION

TWM provided topographic and right-of-way surveys, preparation of preliminary and final plans, specifications and estimate, preparation of right-of-way plans and other land acquisition documents, utility coordination, geotechnical investigations and pavement designs, and securing of environmental clearances for the reconstruction of the 200 block of Monroe Street in the heart of the downtown St. Charles, Mo., city and county government buildings. Existing pedestrian facilities were redesigned to achieve compliance with U.S. Access Board PROWAG criteria.

**OWNER:**  
St. Charles City, MO

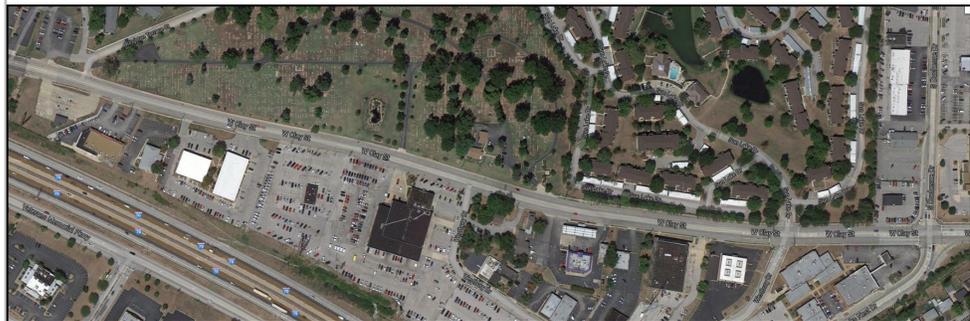
**CONTACT:**  
Tyson King, P.E.  
Project Manager  
200 N. Second Street  
St. Charles City, MO 63301  
(636) 949-3237

**COMPLETION DATE:**  
June 2014 (est.)

**CONSTRUCTION COST:**  
\$ 3.4 Million (est.)

**TWM RESPONSIBILITIES:**  
Civil Engineering  
Land Surveying  
Utility Coordination  
Specifications & Estimate

**TWM CONTACTS:**  
Rob DeConcini, P.E.  
Scott Goforth, P.E.



### WEST CLAY STREET - PHASE 1 RECONSTRUCTION

The City of St. Charles wanted to reconstruct a portion of the roadway on West Clay Street, which included the removal of all existing pavement, repair or replacement of existing aggregate base and subgrade, and construction of new 9" PCC for the full width and length of the improvement corridor. Sidewalks will be added and/or replaced on each side of the street and signal hardware will be upgraded to meet ADA accessibility standards. Traffic flow will be improved through the installation of fiber optic cable and interconnected traffic signal at certain intersections within the improvement corridor. All such hardware meets or exceeds the requirements of the County's Gateway Greenlight Initiative.



**REPRESENTATIVE PROJECTS**

**OWNER:**  
Village of Swansea, IL

**CONTACT:**  
Craig S. Coughlin  
Acting Village Administrator  
1400 N. Illinois Street  
Swansea, IL 62226  
(618) 234-0044

**COMPLETION DATE:**  
2008

**CONSTRUCTION COST:**  
\$2,170,000

**TWM RESPONSIBILITIES:**  
Civil Engineering  
Land Surveying

**TWM CONTACTS:**  
Sheila J. Kimlinger, P.E., S.E.  
Tony J. Erwin



**HUNTWOOD ROAD RECONSTRUCTION**

TWM’s design for the reconstruction of Huntwood Road from IL Route 159 to Old Caseyville Road included new HMA pavement flanked by curb and gutter, and a roadway widened to 36’ to allow for a continuous two-way left-turn lane the length of the project. Other improvements included a fully enclosed storm water drainage system and sidewalks along the entire corridor to accommodate pedestrian traffic generated by a nearby elementary and middle school and a park. Intersections at either end of the project were updated, creating a new east-west collector from Sullivan Drive to IL Route 159.

**OWNER:**  
City of University City, MO

**CONTACT:**  
Megan Fuhler, P.E.  
Senior Project Manager  
6801 Delmar Blvd.  
University City, MO 63130  
(636) 949-3237

**COMPLETION DATE:**  
2014-15 (est.)

**CONSTRUCTION COST:**  
TBD

**TWM RESPONSIBILITIES:**  
Land Surveying  
Civil Engineering

**TWM CONTACTS:**  
Scott Goforth, P.E.



**CURB RAMP REPLACEMENT - VARIOUS INTERSECTIONS**

The City of University City requested detailed plans and quantity tabulations for the removal and replacement of ADA-deficient curb ramps located at 26 various intersections within the city limits. The curb ramp replacement plans were developed in general accordance with the procedures required by MoDOT’s Engineering Policy Guide and PROWAG. The City will provide the plans to the contractor to construct as part of sidewalk replacement projects. This project, including all required surveying and the design of approximately 135 ramps, was completed in just six weeks to meet the City’s construction schedule.



**OWNER:**  
City of Lake Saint Louis, MO

**CONTACT:**  
Paul Markworth  
City Administrator  
City of Lake Saint Louis  
200 Civic Center Drive  
Lake Saint Louis, MO 63367  
(636) 625-1200

**COMPLETION DATE:**  
2005

**CONSTRUCTION COST:**  
\$2,168,000

**TWM RESPONSIBILITIES:**  
Civil Engineering  
Land Surveying

**TWM CONTACTS:**  
Robert S. DeConcini, P.E.



**TECHNOLOGY DRIVE / U.S. 40/61 AND MO ROUTE 364**

Technology Drive (formerly Feise Road) was designed as the City’s section of a MoDOT interchange improvement project. The project limits extend westward from Henke Road, a 3-lane section totaling 4,200’ in length. TWM’s responsibilities included: topographic, right-of-way and boundary surveys; right-of-way plans, plats and legal descriptions; preliminary and final plans; easement stakeout; utility coordination; environmental, cultural and historical clearance process; geotechnical investigations and pavement design.

**OWNER:**  
St. Clair County, IL  
Highway Department

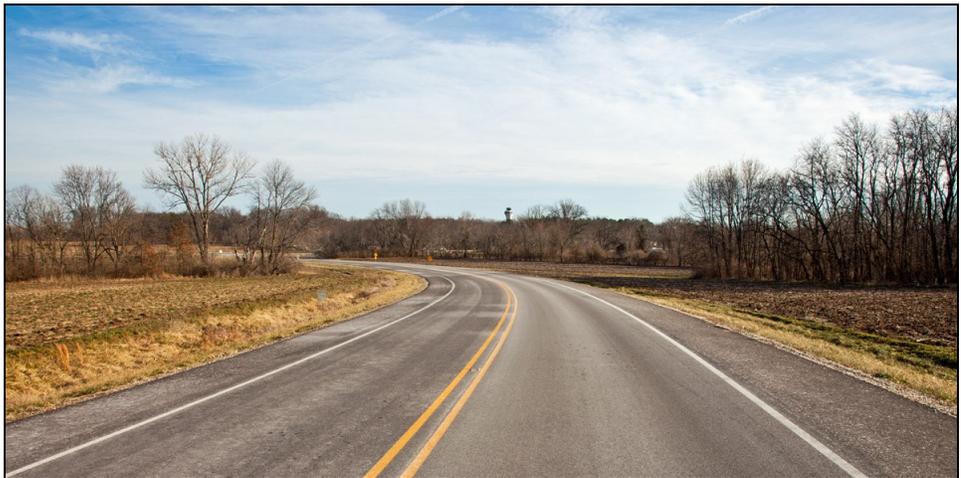
**CONTACT:**  
James Fields, P.E.  
County Engineer  
1415 N. Belt West  
Belleville, IL 62226  
(618) 233-1392

**COMPLETION DATE:**  
2012

**CONSTRUCTION COST:**  
\$1,100,000

**TWM RESONSIBILITIES:**  
Civil Engineering  
Land Surveying

**TWM CONTACTS**  
Sheila J. Kimlinger, P.E., S.E.  
Jeff M. Taylor, P.E.



**WHERRY ROAD RESURFACING**

TWM designed the improvements to approximately 2 miles of Wherry Road from Air Mobility Drive (IL Route 158) to the north gate of Scott Air Force Base. The existing pavement was widened from 22’ to 24’, treated with reflective crack control, and then overlaid with 2.5” of hot-mix asphalt. Asphalt shoulders were also placed adjacent to the new pavement. The firm provided land surveying, roadway design, and the preparation of plans, details, specifications, special provisions, and estimate of cost.

