

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, Construction Inspection

Dear Ms. Jacobs and Members of the Selection Committee:

Thouvenot, Wade & Moerchen, Inc. (TWM) is a 100% employee-owned firm providing Civil & 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 construction inspection projects 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 construction inspection projects.

#### GENERAL PROJECT EXPERIENCE

TWM undertakes 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 construction inspection projects such as these:

##### ***Seibert Road (STP)***

Existing oil and chip roadway replaced with 1.1 mile HMA pavement, new curb and gutter, storm sewers, drainage structures, and sidewalks. A bench for a future shared-use path was included for part of the project length. Built in 5 phases over 4 years. Construction cost: \$2,207,000.

##### ***Lower Marine Road (STP)***

Existing oil and chip roadway replaced with 0.5 mile PCC pavement with curb and gutter as well as storm sewers. Pedestrian and bicycle facilities were also included to service the adjacent schools. This project also corrected major deficiencies in the horizontal and vertical alignments. Construction cost: \$1,200,000.

##### ***Stanton Road (STP)***

Existing oil and chip roadway replaced with 0.5 mile PCC pavement, curb and gutter, sidewalks, and fully enclosed storm water drainage system. Optimized alignments to keep as many large, old trees as possible. Construction cost: \$1,300,000.

##### ***Spring Valley Road (CMAQ)***

Existing oil and chip roadway replaced with 0.5 mile HMA pavement, curb and gutter, sidewalks, and storm sewer system. Included capacity improvements at intersection with U.S. Route 40 including traffic signals and turn lanes. Construction cost: \$828,000.

##### ***Troy-O'Fallon Road (CMAQ)***

TWM designed intersection and roadway improvements for U.S. Route 40 and Troy-O'Fallon Road. Those improvements included: optimization of traffic signal timing;

#### 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 CONSTRUCTION INSPECTION SERVICES:

- Inspection & Management
- Daily Logs & Documentation
- Utility Coordination
- Quantity Measurement
- Pay Application Processing
- Coordination for Staging of Traffic
- Coordination with Public & Meetings
- Coordination for Testing
- Coordination of Geotechnical
- Resolution of Issues
- Change Order Processing
- Review of Shop Drawings
- As-Built Drawings
- Layout & Staking
- 3-D Scanning for verification of as-built condition
- Video Sanitary & Storm Sewers
- Mandrel Testing of Sewers
- Structural inspections including rebar, beams, trusses, piling, etc.

#### 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.



widening of Troy-O'Fallon Road for approximately 3,100' south of U.S. Route 40; addition of turn lanes at the intersection and a left-turn lane at the Fair Oaks subdivision entrance; extension of existing culverts; and redesign of existing driveways. Construction cost: \$1,634,000.

**I-55 / I-70 Frontage Road (ARRA)**

0.44 miles of existing pavement was treated with reflective crack control pavement fabric and overlaid with 1.5" of hot-mix asphalt surface course. Aggregate wedge shoulders were placed adjacent to the new pavement. Construction cost: \$75,000.

**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 provided construction services to the Village of Swansea on Huntwood Road. The pavement replacement project presented many constraints due to close proximity of many residences, two schools, two churches, and a fire station within the 3/4 mile project corridor. TWM provided all documentation required for the STP-funded project, along with leading the frequent, detailed coordination between all these entities throughout construction. Services included a significant Staging Plan, complete reconstruction of the storm sewer system, flashing beacon/push button crossing at schools, and signals (including an emergency vehicle priority system) at the intersection with State Route 159, a five-lane arterial. The \$2.1 million dollar STP project was held to only 1.5% extras with a difficult contractor. Our team 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 is one of our greatest strengths. We approach each project as a collaboration between the owner and our staff. Keeping our focus on the owner's perspective, we work hard to minimize change orders and keep the job on budget and on schedule.

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 construction inspection 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 Tony Erwin, who heads our Construction Services division. 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 construction inspection projects.

While TWM can handle most aspects of a construction inspection project, we frequently partner with other firms for services, such as geotechnical engineering and testing, 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	Documentation	Inspection	Change Orders	Resolution of Issues	Construction Meetings	Shop Drawing Review	Coordination with Testing Firm	MoDOT LPA Management Class	Certified Documentation Technician Course (3-day -Fed Proj -IDOT)
Sheila Kimlinger, PE, SE	22			X	X	X	X	X	X	
Tony Erwin	20	X	X	X	X	X	X	X		X
Joe Heyden	30	X	X	X	X	X	X	X		X
Tom Braun	27	X	X	X	X	X	X	X		X
Paul Hanson, CFM	17	X	X	X	X	X	X	X	X	X
Justin Venverloh, PE, CFM	10	X	X	X	X	X	X	X		X
Nick Smock, PE	10	X	X	X	X	X	X	X	X	X
Scott Goforth, PE	9	X	X	X	X	X	X	X	X	
Seth Henry	8	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.

Because TWM is quite familiar with working on federal projects, you can rest assured that your construction inspection project will be compliant with federal law. In the last 10 years, we have completed 20 construction inspection projects with State and / or Federal funds. Our services have included the handling of all paperwork, quantities, and material certifications 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](mailto:skimlinger@twm-inc.com).

Sincerely,

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



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



## CONSTRUCTION INSPECTION

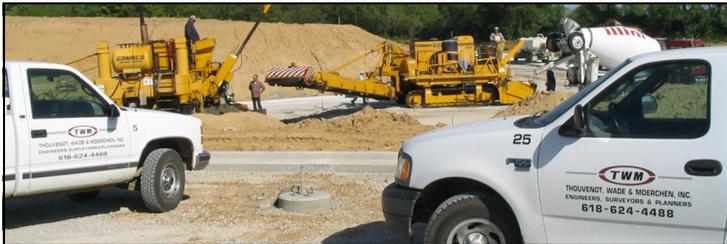
Project design is obviously important, but it is only one step in the process. Equally important is ensuring that the wisdom, calculations and engineering skill applied at the drawing board are effectively translated into the actual construction of your project. Today's codes and regulations can be very detailed. The intent of drawings and specifications is to guide the contractor in building your project in accordance with those requirements.



TWM's construction engineering services help move your project from paper to reality. Our services put the experts on-site and include construction staking, construction observation, materials testing, documentation of materials and quantities, daily record keeping of construction activity, documentation of contractor compliance with plans and specifications, and the processing of pay requests and change orders.



The construction engineering staff at TWM clearly understands their role in the process, the goals, objectives and requirements of what they do, and the value that brings to our clients.



### Construction Inspection Services

- Inspection & Management
- Daily Logs & Documentation
- Coordination for Staging of Traffic
- Coordination with Public & Meetings
- Pay Application Processing
- Change Order Processing
- Review of Shop Drawings
- Quantity Measurement
- Utility Coordination
- Layout & Staking
- 3D Scanning for verification of as-built condition
- Sewer Video Work
- Mandrel Testing of Sewers
- Structural Inspections



#### 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)

**OWNERS:**

St. Clair County Transit  
District / METRO St. Louis

**OWNER CONTACTS:**

Bill Grogan, Director  
1004 S. Lincoln Ave., Suite 1  
O'Fallon, IL 62269  
(618) 628-8090

Fred Bakarich  
METRO St. Louis  
707 North First Street  
St. Louis, MO 63102  
(314) 982-1400

**COMPLETION DATE:**  
2011

**CONSTRUCTION COST:**  
\$2,565,000

**TWM RESPONSIBILITIES:**  
Civil & Structural Engineering  
Land Surveying  
Land Acquisition  
Construction Phase Services

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



**METROLINK IL SLOPE REHABILITATION, PHASE I**

The project addressed high-risk locations along MetroLink ROW where rain and flooding, increased runoff, and deficient drainage facilities, have caused erosion and slope instabilities. A total of 20 high risk sites were rehabilitated. TWM staff provided construction phase services including weekly reports & meetings, photo logs, and managing communication with SCCTD, MetroLink, and the contractor. Also coordinated in-house staking & layout, earthwork inspections, coordinated material testing with an outside firm, quantity verification, material certifications, pay estimates, documentation and Metro compliance.

**OWNER:**

Village of Glen Carbon, IL

**CONTACT:**

Robert Jackstadt, Mayor  
151 North Main Street  
Glen Carbon, IL 62034  
(618) 288-1200

**COMPLETION DATE:**  
Phase 1 - 2012

**CONSTRUCTION COST:**  
\$ 233,000

**TWM RESPONSIBILITIES:**  
Civil Engineering  
Construction Observation

**TWM CONTACTS:**  
Matt J. Kitzmiller, P.E.  
Paul D. Hanson, C.F.M.



**GLEN CARBON ROAD RESURFACING**

TWM provided civil and construction engineering for the milling and resurfacing of 1.0+ mile of Glen Carbon Road. TWM's construction phase services included observing removal and replacement of non-compliant ADA pedestrian ramps along the project route and pavement patching prior to milling and resurfacing. Area Reflective Crack Control was placed just prior to surface course being placed. TWM coordinated material testing required for project documentation, including material certification, quantity verification, preparation of pay estimates, and enforcement of DOT requirements.



**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 designed and performed construction observation for the reconstruction of Huntwood Road from IL Route 159 to Old Caseyville Road. Improvements included new HMA pavement flanked by curb and gutter and roadway widening to 36' to allow for a continuous two-way left-turn lane the length of the project. Intersections at either end of the project were updated creating a new east-west collector from Sullivan Drive to IL Route 159. TWM coordinated material testing required for project documentation, quantity verification, change orders, preparation of pay estimates, and enforcement of DOT requirements.

**OWNER:**

St. Clair County  
Transit District

**OWNER CONTACTS:**

Bill Grogan, Director  
1004 S. Lincoln Ave., Suite 1  
O'Fallon, IL 62269  
(618) 628-8090

Taulby Roach, Consultant  
705 Olive Street, Suite 820  
St. Louis, MO 63101  
(314) 621-0800

**COMPLETION DATE:**

2011

**CONSTRUCTION COST:**

\$4,635,085

**TWM RESPONSIBILITIES:**

Civil & Structural Engineering  
Land Surveying  
Construction Phase Services

**TWM CONTACTS:**

Nicholas T. Smock, P.E.  
Sheila J. Kimlinger, P.E., S.E.

**METROBIKELINK TRAIL**

TWM designed the 0.8 mile extension of the MetroBikeLink Trail along the MetroLink alignment from Belleville's North End Park to the Swansea MetroLink Station, and performed construction observation for the HMA bike trail, culverts, retaining walls, pedestrian bridges, lighting and storm sewers. TWM was responsible for weekly reports & meetings, photo logs, and managing communication with SCCTD, MetroLink, the Village of Swansea and the contractor. Also coordinated in-house staking & layout, performed depth & grade checks, coordinated material testing with contractor, quantity verification, material certifications, pay estimates, documentation, and DOT compliance.



## BY THE NUMBERS

67

Years in Business

13th

Largest  
Engineering Firm in  
the St. Louis Region  
St. Louis Business  
Journal

#1

Engineering Firm in  
Southwestern Illinois  
9 consecutive years  
Illinois Business Journal  
"Industry Leaders"

25

Licensed Civil  
Engineers

5

Licensed Structural  
Engineers

6

Licensed Land  
Surveyors

4

Engineers in Training

1

Surveyor in Training

6

States in which TWM  
staff hold licenses:  
Missouri, Illinois,  
Indiana, Kentucky,  
Nebraska, Texas

Thouvenot, Wade & Moerchen, Inc. (TWM) provides Civil & 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, we have diversified into five primary disciplines – Structures, Transportation, Land Development, Water / Wastewater, and Surveying.

In order to create effective, efficient, and economical solutions to the challenges faced by our clients, we draw upon the extensive knowledge, skills and experience of 65 licensed professionals and support staff:

All of our employees have a natural passion for solving problems and care deeply about providing exceptional service to you as a client. For that reason, **more than 85% of TWM's work comes from repeat business**, built upon a solid reputation for being able to get the job done right. And the reason why clients in each of our five primary disciplines will tell you TWM is their "go-to" firm.

## WHAT DOES TWM OFFER YOU?

### Peace of mind.

From humble beginnings to leading the way with cutting edge technology, TWM has a long history of providing exceptional service to our clients. We succeed in delivering our projects **on time, in budget, and done right** by living our core values:

**Quality | Relationships | Stability | Ambition | Loyalty**

That's important to you because you deserve to invest your project funding in a firm that will provide your desired return—a quality product that meets your needs. As your trusted advisor, we offer our professional expert opinion backed by decades of practical experience using the latest technological tools.

Our conservative fiscal and operational approach to business means you don't have to worry whether we'll exist next month or next year. We persevere, finding solutions to obstacles that threaten to slow or halt your project, and we handle the details so you don't have to. Serving as your loyal partner, we tailor our services to your needs and keep your best interests as our primary focus.

### Exceptional Service. Nothing Less.

It's a simple but bold mission statement. Every TWM employee knows and understands that we make this same promise to every current and potential client. Therefore, they also know that it is up to each of us, individually and collectively, to deliver on that promise at every opportunity.

So from the beginning of your project to the end, you get the dedication, commitment, and passion of our professional and support staff. Everyone working together to provide you with the highest level of professional service.

We take care of our clients. And we consider it our mission to help you succeed. Solving your problems is our passion.