

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, Trails and Sidewalks



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 pedestrian 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 trail or sidewalk 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 pedestrian facility design projects such as these:

University City Curb Ramp Replacement (Local Funds)

This fast-paced project included the development of detailed plans, and quantity tabulations for the removal and replacement of ADA deficient curb ramps for 26 separate intersections. TWM was able to complete the field ADA assessments, topographic survey, and the design within 6 weeks for over 100 ramps.

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

State Route 159 Pedestrian Improvements (CMAQ Funds)

TWM designed new concrete sidewalks, curb and gutter, drainage structures, and retaining walls along 1.1 miles of IL Route 159 in Swansea, Illinois, to provide a continuous connection between existing pedestrian ways. The project improves access for nearly 500 households, more than 70 commercial businesses, and those using Swansea's mass transit station. Over 50 ADA ramps were included in the design. The project also entailed preparing a Plat of Highways for roughly 30 parcels.

West Belleville Bike Trail (Federal Enhancement Funds)

TWM is completing design of a new bike trail that will link Citizens Park to Bellevue Park in Belleville, Illinois. The 10' wide trail will roughly follow a former railroad bed from Citizens Park across North Belt West and toward Frank Scott Parkway West. It will then veer northward across West Main Street and through the campus of Althoff Catholic High School before passing through a wooded ravine to Bellevue Park. Total length is 1.65

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 TRAIL AND SIDEWALK DESIGN PROJECTS:

- New sidewalks, bikeways, trails, greenways or shared-use paths
- ADA & PROWAG compliance evaluations
- Sidewalk ramp rehabilitation
- Traffic & intersection design studies
- Alignment feasibility studies
- Traffic signals
- At-grade crossings with flashing beacons
- Trail heads & parking facilities
- Lighting & landscaping
- Pedestrian bridges
- Utility design & coordination
- Right of way
- Public coordination
- Environmental clearance
- Assisting municipalities in planning future shared-use path/bikeway routes and connections

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

EXCEPTIONAL SERVICE.
NOTHING LESS.

miles with 1.49 miles of new off-road trail. The trail will eventually be extended through the Memorial Hospital campus to join MetroBikeLink at the Memorial Hospital MetroLink Station.

Richland Creek Bikeway Trail Bridges (Federal Enhancement Funds)

Built in three phases, the total length of HMA trail is 1.5 miles long, which includes six bridges over and around Richland Creek. These included four shorter, single-span timber bridges in Phase I - two each 30' in length plus one each at 20' and 26'. In Phase IIA, engineers designed a 182' 3-span pedestrian truss superstructure on piers. All of the above have wood decks, 8' in width. In Phase IIB, TWM's engineers designed an additional bridge for the trail corridor, a single-span 92' pedestrian truss superstructure, with a 12' wide wood deck. Also includes a pedestrian signal at the Rte 161 crossing.

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 designed the SWIC Green Campus Initiative project, which had a strict design schedule. TWM coordinated with all of the project stakeholders, including St. Clair County Transit District, Southwestern Illinois College, Illinois Department of Transportation, METRO, the City of Belleville, and the Brookhill Homeowners Association, in addition to numerous utilities with high priority facilities within the project limits. TWM was able to balance all of the requests and needs of the various stakeholders with the project scope and budget to deliver a project that was ahead of schedule, 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 trails and sidewalk design work. In addition, each of the descriptions of similar projects within our marketing brochure include 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 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., as the Deputy 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 pedestrian facility design projects.

While TWM can handle nearly every aspect of a trail or sidewalk 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.

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



THOUVENOT, WADE & MOERCHEN, INC.

TWM Experience	Years Experience	MODOT LPA Management Class	Bike Trails	Shared Use Paths	Sidewalks / ADA	Drainage / Hydraulics	Utility Coord.	ROW - Land Acq	Environ Clear	Signals	Lighting	Landscaping / Beautification	Parking Lots	Public Coord. Meetings
Sheila Kimlinger, PE, SE	22	X	X	X	X	X	X		X			X		X
Scott Goforth, PE	9	X	X	X	X	X	X							X
Barry Roberts	43						X			X	X		X	
Mike Barnal, PLS	40							X						
Rob DeConcini, PE	23		X	X	X	X	X	X	X	X		X	X	X
Tony Erwin	20		X	X	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						X	
Jeff Taylor, PE	9		X	X	X	X	X			X	X	X	X	X
Michelle Schwierjohn, PE	8			X	X		X			X			X	X
Josh Stein, PE	7	X	X	X	X	X	X	X	X					X

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 pedestrian facility design allows us to successfully engineer 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 trail or sidewalk project will be compliant with federal law. In the last 5 years, we have completed 13 stand-alone trail and sidewalk 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



TRAILS & SIDEWALKS

Most local roads projects require some sort of pedestrian facilities. TWM has an extensive resume of experience in trail and sidewalk design, including ADA accommodations and new PROWAG requirements. Pedestrian paths and bikeways are becoming ever more common as recent legislation allocates a certain percentage of federal transportation funds to pedestrian and bicycle facilities. Surveys have shown approximately 75% of adults indicate walking is at the top of the list of outdoor recreational activities. Bicycling is fourth on the list at 45%. A network of trails opens the possibility for people to combine commuting with recreation, making these projects important in creating an alternative to our dependence on automobiles and gasoline.



TWM has become the go-to team for bike trail planning and design in Southwest Illinois and is expanding quickly into the Missouri market. Our experience includes all steps in the trail development process, from long range planning to corridor studies and conceptual plans, through trail and bridge design, public involvement, bidding, and construction observation. We have even successfully stepped into projects that stalled after other consultants started them, resolving challenges and getting the projects back on track.



The firm's trail design experience includes HMA and concrete trails, tunnels, beam bridges, pre-engineered truss bridge foundations, trailheads, trail parking, and signage. Sidewalk design experience includes ADA assessments, specialty ramp designs, pedestrian push buttons, and flashing beacons.



Trail & Sidewalk Services

Sidewalks, bikeways, trails, greenways, shared-use paths, pedestrian bridges

Sidewalk ramp rehabilitation, ADA & PROWAG compliance evaluations

Trail heads & parking facilities

Environmental clearance

Signals & Lighting

Right of way

Utility design & coordination

Public coordination

Long-range planning

Corridor / alignment feasibility / traffic & intersection design studies



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

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:
2012

CONSTRUCTION COST:
\$1,336,000 (Bridge Only)

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

TWM CONTACTS:
Sheila J. Kimlinger, P.E., S.E.
Kermit P. Christmann, P.E., S.E.



METROBIKELINK BRIDGE OVER FULLERTON ROAD

As part of the MetroBikeLink trail extension to the Memorial Hospital Station, TWM designed a 299 foot, 4-span rolled steel beam bridge over Fullerton Road in Swansea, Illinois. While not as ornate as the signature bridge over IL Route 159, the design included similar fencing, “transit blue” girders, and signage. As the trail is continually expanded and becomes the backbone of the regional trail system in St. Clair County, these features are intended to become the “brand” of MetroBikeLink and help to advertise its existence and availability to potential users.

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:
2012

CONSTRUCTION COST:
\$3,140,000

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

TWM CONTACTS:
Sheila J. Kimlinger, P.E., S.E.
Joshua W. Stein, P.E.



METROBIKELINK TRAIL - TO MEMORIAL HOSPITAL STATION

TWM designed the second extension of the MetroBikeLink Trail, running 2.2 miles along the MetroLink alignment from the Swansea MetroLink Station to the Memorial Hospital MetroLink Station. The new 10’ wide trail segment includes a grade separation crossing at Fullerton Road. Because the trail is increasingly being used by joggers and walkers along with cyclists, TWM designed a rest station along the trail which included amenities such as benches, individual picnic shelters, bike racks, and water fountains there as well as at station locations.



OWNER:
Madison County Transit
District

CONTACT:
Jerry J. Kane
Executive Director
One Transit Way
Granite City, IL 62040
(618) 797-4600

COMPLETION DATE:
2010

CONSTRUCTION COST:
\$906,777

TWM RESPONSIBILITIES:
Civil Site Master Planning
Civil Engineering

TWM CONTACTS:
Matt J. Kitzmiller, P.E.



NICKEL PLATE TRAIL - PHASES I & II

The Nickel Plate Trail is part of the more than 100 miles of bikeways that make up the trail system in Madison County, Illinois. TWM designed the extension of this trail from Fruit Road in Edwardsville to U.S. Route 140 in Alhambra. The 8.3-mile asphalt and limestone extension increased the Nickel Plate Trail's total length to approximately 22 miles and in doing so connected the Village of Alhambra and its residents to the county's full network of trails. As part of the project, TWM reused an existing 270 foot bridge by retaining the basic structure but retrofitting the decking and railing for use by cyclists.

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:
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 both an elementary and middle school, and a park within the project limits. Intersections at either end of the project were updated creating a new east-west collector from Sullivan Drive to IL Route 159.

OWNER:
Village of Swansea, IL

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

COMPLETION DATE:
2010

CONSTRUCTION COST:
\$634,000

TWM RESPONSIBILITIES:
Civil Engineering

TWM CONTACT:
Sheila J. Kimlinger, P.E., S.E.

STATE ROUTE 159 PEDESTRIAN IMPROVEMENTS

TWM designed new concrete sidewalks, curb and gutter, drainage structures, and retaining walls along 1.1 miles of IL Route 159 in Swansea, Illinois, to provide a continuous connection between existing pedestrian ways. The project improves access for nearly 500 households, more than 70 commercial businesses, and those using Swansea's mass transit station. Over 50 ADA ramps and two MSE retaining walls were included in the design. The project also entailed preparing a Plat of Highways for roughly 30 parcels.

