



**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:

Thouvenot, Wade & Moerchen, Inc.

Firm Contact Name:

Jeff Reis, PE, PTOE

Contact Email  
Address:

jreis@twm-inc.com

Firm's Mailing Address:

3701 S. Lindbergh Boulevard, Suite 100

St. Louis, MO 63127

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**



CONSULTING ENGINEERING  
GEOSPATIAL SERVICES

THOUVENOT, WADE, & MOERCHEN, INC.  
St. Louis Branch Office  
3701 S. LINDBERGH BLVD., SUITE 100  
St. Louis, MO 63127  
314.241.6300  
TWM-INC.COM

December 12, 2025

Missouri's Local Program  
LPAoncall@modot.mo.gov

**Re: Letter of Interest for 2026–2029 On-Call Professional Services, Roadway Design**

Dear Members of the Selection Committee:

We enthusiastically submit our interest in pre-qualification with Missouri's Local Program and to be considered for the LPA on-call list. TWM has extensive transportation design experience for local agencies and municipalities, a record of exceptional performance, familiarity with all phases of federal projects, and an established responsiveness to client needs. At TWM, we offer the capabilities and experience of an industry leader and the personable service of a small, local firm.

**GENERAL EXPERIENCE OF FIRM**

For over 79 years, TWM has provided **Exceptional Service. Nothing Less.** Our transportation group offers extensive experience in roadway design, roadway structures, right-of-way plans, surveying, plan preparation, permitting, and construction observation. Supported by our in-house geospatial team, we perform topographic, boundary, and right-of-way surveys that provide precise data to guide design decisions. Over the past decade, TWM has designed more than 40 miles of state highways, 40 miles of local roadways, and over 1,100 ADA-compliant curb ramps, delivering safe, efficient, and cost-effective designs.

Our approach emphasizes clear communication, practical problem-solving, and designs informed by real-world field conditions. By integrating accurate survey data early in the process, we streamline coordination and reduce construction conflicts. TWM consistently provides reliable, high-quality support that moves projects smoothly from concept to construction.

**PAST PERFORMANCE**



**J6S1718/B/C Route 100 (Manchester Road) Rehabilitation**

Key design included pedestrian facility analysis and improvements, and safety elements such as pedestrian scale lighting and installation of pedestrian actuated rapid rectangular flashing beacons for safe pedestrian crossing. Streetscape elements included wayfinding signs.

**Funding** | Federal (STP-S, Grant)  
**Owner** | MoDOT STL District/City of Brentwood, MO/City of Kirkwood, MO  
**Reference** | Stuart McNeil, PE, MoDOT Project Manager, 314.453.5042; Chris Krueger, PE, City Engineer, Kirkwood, 314.822.5820  
**Cost** | \$30,573,000 (bid); \$31,296,000 (act)  
**Timeline** | 2021 (design); 2023 (constr)  
**Team** | Kevin Ostermiller, PE; Sheila Kimlinger, PE, SE; Jeff Reis, PE, PTOE; Josh Saunders, PLS



**J6P3288 Route 21 Pavement Improvements & Bridge Rehabilitation**

Included pavement resurfacing, ADA improvements, pavement design, drainage, pedestrian facilities layout, signing, traffic signals, striping, guardrail, temporary traffic control, and ADA curb ramp and sidewalk design. The traffic signals along the corridor were also included, with six traffic signals being fully replaced and modifications made to another eight signalized intersections.

**Funding** | State  
**Owner** | MoDOT St. Louis District  
**Reference** | Stuart McNeil, PE Project Manager | 314.453.5042  
**Cost** | \$33.4 million (est)  
**Timeline** | 2022 (design); 2023 (constr)  
**Team** | Sheila Kimlinger, PE, SE; Josh Saunders, PLS



**J6S3416 Route 115 (Natural Bridge Road) Pavement Improvements & ADA**

This project involved pavement resurfacing and ADA improvements from Route U to the St. Louis City limits. Scope included pavement design, drainage, pedestrian midblock crossing layout, signing, striping, and ADA curb ramp and sidewalk design. Scope also encompassed public involvement and coordination with local municipalities and transportation stakeholders.

**Funding** | State  
**Owner** | MoDOT St. Louis District  
**Reference** | Alvin Nieves-Rosario, PE, Project Manager, 314.453.1839  
**Cost** | \$3.7 million (est)  
**Timeline** | 2022 (design); 2023 (constr)  
**Team** | Josh Stein, PE; Sheila Kimlinger, PE, SE; Josh Saunders, PLS



**J6P3436 U.S. 50 Pavement Improvements, Guardrail, & ADA**

TWM provided project surveying (mobile LiDAR), developed the right-of-way model, analyzed existing guardrail and designed upgrades of guardrail to MASH Standards, reviewed sight distance, prepared sight distance exhibits for the design exception form, designed right-of-way plans, and wrote legal descriptions for easement acquisitions.

**Funding** | Local, State, Federal  
**Owner** | MoDOT St. Louis District  
**Reference** | Alvin Nieves-Rosario, PE, Project Manager, 314.453.1839  
**Cost** | \$5.3 million (est)  
**Timeline** | 2022 (design); 2023 (constr)  
**Team** | Kevin Ostermiller, PE; Michelle Schwierjohn, PE, PTOE; Josh Saunders, PLS



**J6S3375 Route 30 Slide Repair**

Scope included repair of a failing fill slope along the eastbound lanes of Route 30. Services were needed after two nearby slide locations began to move. TWM's team (with Millennia Professional Services as the geotechnical firm) performed a geotechnical assessment and produced a design to excavate the failed material and construct a rock wedge slope repair as well as under drain installation to mitigate the slope failure. Guardrails were replaced along Route 30 at the top of the slope.

**Funding** | State, Federal Grants  
**Owner** | MoDOT St. Louis District  
**Reference** | Chris Kelly, PE, Transportation Project Manager, 314.453.5034  
**Cost** | \$960,200 (bid); \$978,200 (actual)  
**Timeline** | 2019  
**Team** | Kevin Ostermiller, PE



**JSE0140 Route 67 Butler County Bridge Replacements**

TWM is providing transportation, structural, and surveying services for this multi-bridge project. Our team is developing preliminary and final bridge and roadway plans, coordinating utilities and right-of-way, and integrating topographic and boundary survey data. Due to high traffic volume on this route, the bridges will remain open during construction. TWM is designing temporary roadway by-pass's and providing a temporary intersection design to maintain traffic.

**Funding** | State, Federal  
**Owner** | MoDOT Southeast District  
**Reference** | Christopher Crocker, PE, Project Manager, 573.380.1658  
**Cost** | \$4 million (est)  
**Timeline** | 2025 (design)  
**Team** | Josh Stein, PE; Josh Saunders, PLS

**QUALIFICATIONS OF PERSONNEL**

We propose that **Josh Stein, PE**, serve as Project Manager. His experience in designing and managing transportation projects throughout Missouri means you get the expertise needed to guide your project from concept to final design. He will be supported by a dedicated team of local TWM transportation engineers and technical staff with specialized experience in roadway design, traffic control, drainage, ADA compliance, permitting, and right-of-way plan preparation. The depth of experience among our key staff are shown below.



**Josh Stein, PE | Project Manager**  
**19 Years Experience**

Josh has experience designing transportation projects, including roads, bridges, bike trails, and sidewalks. He currently manages numerous projects where he is responsible for the design of horizontal/vertical alignments, cross section elements, roadside safety elements, and roadway drainage systems, including pipe culverts and storm sewer systems.



**Chris Kuester, PE, CFM | Lead Engineer – Water Resources**  
**12 Years Experience**

Chris has experience working in regulatory floodways and floodplains, as well as hydrologic and hydraulic analysis for bridge and culvert replacement projects. Chris also designs storm sewer systems, stormwater detention, lake and dam design, and low-impact development in residential subdivisions and commercial sites.



**Kevin Ostermiller, PE | Lead Engineer**  
**17 Years Experience**

Kevin designs a wide range of transportation projects, including roads, bridges, bike trails, sidewalks, storm sewer, and traffic studies. Specific design elements for which Kevin is responsible include alignments, cross section elements, corridor modeling, intersection design, roadway drainage design, hydrologic and hydraulic analysis, ADA/PROWAG compliance, and utility coordination.



**Josh Saunders, PLS | Lead Surveyor**  
**16 Years Experience**

Josh has experience in general construction, topographic surveying, boundary calculations, 3D high-definition laser scanning, and record research. His responsibilities include estimating, coordinating, data reduction, record research, preparation of legal descriptions, QA/QC of client deliverables, and reviewing title work associated with ALTA/NSPS Land Title Surveys.



**Sheila Kimlinger, PE, SE | QA/QC Reviewer  
34 Years Experience**

Sheila oversees TWM's Transportation group, leading the firm's quality assurance and quality control efforts across roadway and bridge projects. She has managed hundreds of projects from start to finish, ensuring that every deliverable meets federal, state, and client standards. Sheila performs QA/QC reviews at all stages of design and she coordinates her project teams and sub-consultants to uphold TWM's high standards for quality and reliability.



**Jeff Reis, PE, PTOE | Technical Advisor  
20 Years Experience**

Jeff's experience in civil engineering includes a focus on the design and management of municipal transportation projects. He has assembled maintenance contracts and evaluated pavement for various municipalities to help them plan their budgetary needs for future maintenance. He is skilled in the analysis of drawings, hydrological characteristics, and topographical data to plan and design municipal street and rural roadway projects to DOT standards including MoDOT's EPG.

**FAMILIARITY & CAPABILITY**

TWM has extensive experience delivering federally funded transportation projects for Missouri LPAs in accordance with FHWA and MoDOT requirements. Our team has successfully completed roadway and bridge repair, rehabilitation, and replacement projects for counties and municipalities across central and eastern Missouri. These include corridor improvements, safety enhancements, ADA upgrades, and intersection reconfigurations for both rural and urban settings. Supported by our in-house geospatial group, we perform topographic, boundary, and right-of-way surveys that provide the accurate base data needed to guide design decisions from the start.

Our engineers, technicians, and surveyors are well-versed in local agency procedures and documentation standards, including preparation of plan sets, cost estimates, right-of-way plans, and design exception requests. We work closely with local agencies and staff during plan development and review phases to ensure projects meet all applicable EDS, AASHTO, and MUTCD requirements. This familiarity enables us to produce complete, compliant deliverables that require minimal oversight and move efficiently through approvals.

TWM's transportation staff combines technical knowledge with practical field experience, allowing us to anticipate challenges and provide solutions that improve safety, mobility, and long-term performance. Our team's understanding of construction methods, permitting processes, and funding documentation requirements helps LPAs deliver projects on schedule, within budget, and fully aligned with federal and state standards.

**ACCESSIBILITY**

TWM has a strong track record, as both prime and sub-consultant, of responsive, reliable service to our clients. Our team structure ensures that experienced staff are available to address questions, resolve issues, and keep work moving. We emphasize open and timely communication through direct access to project engineers and via virtual meeting platforms such as Zoom and Teams. This commitment to accessibility allows us to work closely and collaboratively with MoDOT staff, adapting to project needs and providing dependable support throughout each phase of the assignment.

**WHY CHOOSE TWM?**



**Experienced Staff & Technical Competence** | With 14 licensed Professional Engineers and two Professional Traffic Operations Engineers, supported by more than 70 survey crews and licensed geospatial professionals, our team has the technical depth to support complex transportation projects and on-call assignments.



**Extensive MoDOT & Local Experience** | Proven success delivering projects across multiple MoDOT Districts and local municipalities. Our understanding of agency procedures and documentation standards ensures efficient coordination and timely approvals.



**Safety & Long-Term Performance** | Every design emphasizes public safety, durability, and maintainability. Our engineers apply MoDOT and FHWA standards to deliver infrastructure that performs reliably over time.



**Public Engagement & Communication** | TWM supports transportation projects through clear public outreach, stakeholder coordination, and visual exhibits that foster understanding and community support.

We're committed to delivering quality projects, and it's our mission to always provide **Exceptional Service. Nothing Less.**

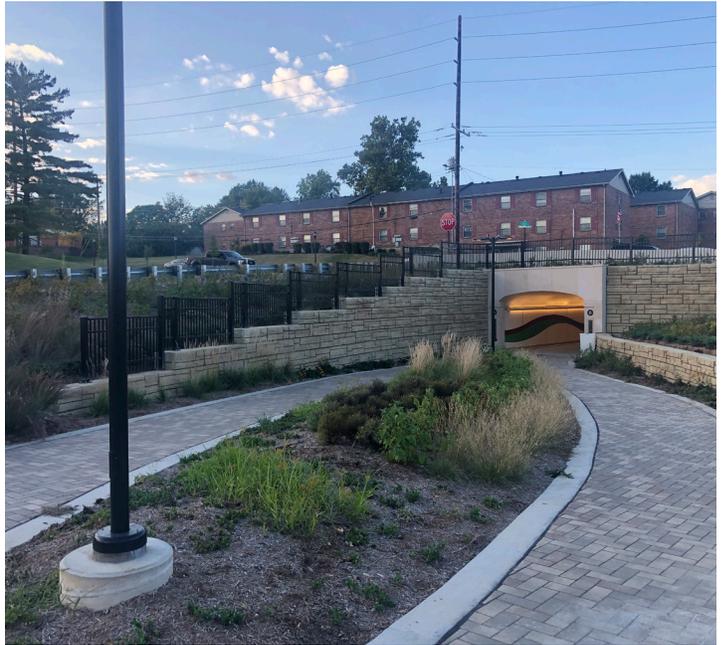
Respectfully,

**TWM, Inc.**

Josh Stein, PE | Project Manager  
618.624.4488 | jstein@twm-inc.com



Transportation • Structural • Survey/Geospatial • Land Development • Water Infrastructure



**our core competencies:** TWM, Inc. is a 100% employee-owned firm that specializes in civil and structural engineering and geospatial services. Over the last 79 years, we have successfully completed projects for government agencies throughout Missouri, Illinois, the Midwest and beyond, including:

DOTs | Municipalities | Counties | Federal | Military | Transit Districts  
St. Louis Metropolitan Sewer District | Parks & Recreation Departments

As a full-service engineering consultant, TWM prides itself on being able to provide a broad range of design projects and related services. TWM has diversified into five primary disciplines:

- Transportation
- Structural
- Survey/Geospatial
- Land Development
- Water Infrastructure

We have a long history of serving both private and public sector clients. Those clients and the communities we have served can attest to our focus on the details, our commitment to project schedules, and our passion in solving problems. We care about being a trusted partner on your projects and getting the job done right.

**EXCEPTIONAL SERVICE. NOTHING LESS**

**TWM-INC.COM**



## range of capabilities

At TWM, we have the resources of a larger firm and the personalized customer service of a small, family-oriented firm working for local communities. With 9 office locations in 3 states, our firm is an ideal size—large enough to take on major projects but small enough to respond to your needs quickly.

We're capable of providing a **broad range of design projects** and related services for nearly any type of project, including:

- Trails, sidewalks, multi-modal and pedestrian facilities
- Roadways, highways, and streetscapes
- Traffic engineering analysis, traffic studies, and signal design
- Bridges, retaining walls, large structures, and buildings
- Construction inspection services
- Land surveying, GIS, mapping, reality capture data collection, and engineered layout
- Recreational, commercial, industrial, institutional, and residential sites
- Municipal engineering/consulting
- Water distribution, water systems, and treatment
- Wastewater collection and treatment systems
- Stormwater management
- Video inspection of pipes and culverts and air testing

## by the numbers

160+ total employees, including:

- 40 licensed PEs
- 7 licensed SEs
- 2 PTOEs
- 15 engineers in training
- 5 construction inspectors
- 16 licensed land surveyors
- 7 surveyors in training
- 37 simultaneous survey crews
- 8 FAA Part 107 Certified Remote Pilots
- 7 terrestrial LiDAR scanners
- 5 UAVs (drones)
- 1 mobile LiDAR unit
- 1 NavVis wearable mobile mapping unit



## EXCEPTIONAL SERVICE. NOTHING LESS.

That's our mission statement and our promise to you. Our success is built upon a solid reputation for getting the job done right. We are particularly proud that we retain approximately 95% of our customers' business. Our resolution of challenges is what sets us apart, and based on our level of repeat business, we think our clients agree.

### company data

- Self-Certified Small Business
- 100% ESOP-owned
- 11 states in which TWM & TWM engineers hold licenses: MO, IL, TN, KY, AR, IN, GA, FL, TX, MN, MT
- 11 states in which TWM and TWM licensed land surveyors hold licenses: MO, IL, TN, KY, AR, IN, GA, FL, WI, OR, CA

### corporate headquarters

4940 Old Collinsville Road  
Swansea, IL 62226  
618.624.4488

### office locations

#### MO:

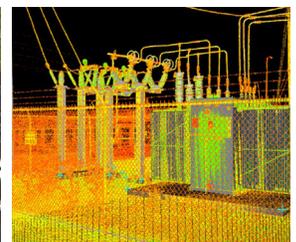
St. Louis  
Columbia

#### IL:

Swansea (HQ)  
Peoria  
Decatur  
Glen Carbon  
Columbia

#### TN:

Franklin  
Chattanooga



**roadway design**

Our transportation group focuses on the movement of people and goods—providing safe, convenient, and economical solutions. Our designs bring innovative solutions to reduce congestion and minimize future maintenance costs. We have the staff, tools, and resources to solve a myriad of transportation engineering problems you face. Our roadway expertise includes:

- New alignments
- Reconstruction and widening projects on interstates
- Rural and urban highways
- Local streets and bridges
- Bike trails and sidewalks
- Multi-modal enhancements

Cognizant that our clients always have budgets to meet, we strive for solutions that not only work, but also work smart.

**J6S1718/B/C Route 100 (Manchester Road) Rehabilitation**

TWM completed a detailed conceptual design in under three months, and then designed preliminary plans, right-of-way plans, and final plans, specifications, and estimate. Key elements included access management improvements, new pavement and resurfacing, ADA-compliant pedestrian facilities, and drainage/traffic signal upgrades.



**J6P3242/B Route 21 Roadway Modifications & Intersection Improvements**

In an effort to increase overall safety by reducing left turn lane conflicts, TWM designed southbound left-turn lanes at three intersections. Scope included roadway widening for new left turn lane, full depth shoulders, traffic control, right-of-way plans, guardrail analysis, AutoTURN analysis, entrance design, public involvement, hydraulic analysis, and drainage structures.



**J6S3375 Route 30 Slide Repair**

Scope included repair of a failing fill slope along the eastbound lanes, west of Ottomeyer Road. Services were needed after two slide locations began to move. TWM’s team performed a geotechnical assessment and produced a design to excavate the failed material and construct a rock wedge slope repair and under drain installation to mitigate the slope failure. Guardrail calculations were completed for replacement of the guardrail at the top of the slope.



**trails & sidewalks**

TWM’s engineers have unique expertise in bike trails, shared-use paths, and shared-use structures as well as ADA-compliant sidewalks and curb ramps. Our firm is considered one of the top pedestrian and bikeway trail planning and design firms serving southern Illinois and Missouri. Whether it’s for work or play, our trails are designed with aesthetics, functionality, and cost-effectiveness in mind.

**Grant’s Trail Pedestrian Bridge Replacement**

TWM repaired and replaced three box culvert structures and two pedestrian bridges that were failing. Five locations were analyzed for repairs, and plans, specifications, and estimates were developed. Designs included replacement at one location with dual 24” culverts, three locations with large box culverts and one location of a new pedestrian bridge and trail realignment. Slope stabilization was implemented to reduce erosion of the creek sides.



**Pardee Road & Elmont Lane New Sidewalks**

This project consisted of adding sidewalks to city streets to connect neighborhoods with nearby elementary schools. Our sidewalk design looked at ways to minimize disturbance to adjacent landowners, such as reducing widths of the pedestrian path across a driveway or eliminating the tree lawn for short stretches. Public engagement was conducted early in plan development to guide layout and locations.



## structures

We focus on delivering bridge designs that are cost-effective, safe, easily constructible, and durable. Our typical projects include:

- Repair and rehabilitation
- Box culverts and wingwalls
- Deck and superstructure replacements
- Deck overlays
- Load ratings and bridge condition reports (BCR)
- “Signature” pedestrian bridges
- Rails-to-trails conversion of old bridges
- Foundations for pre-fabricated trusses
- Pedestrian accommodations on roadway bridges
- Inspections

### J553242 Route A over Third Creek (Gasconade County) & Route D over Mistaken Creek (Osage County)

TWM provided preliminary and final bridge design, hydraulics, and plan preparation for conceptual, right-of-way and final PS&E of these bridge replacement projects. Route A was a multiple-span prestressed concrete I-girder bridge that was lengthened 20’ to widen the creek channel and address erosion issues. Route D used prestressed concrete spread box beams, reducing structure depth for improved hydraulics.



### J6P3288 Route 21 Pavement Improvements, ADA, & Bridge Rehabilitation

TWM is developing final bridge rehab plans for 11 bridges along Route 21. TWM performed a site visit with MoDOT to confirm the project scope, which consists of a bridge re-deck, bridge deck overlays, joint replacements, and various other structural repairs.

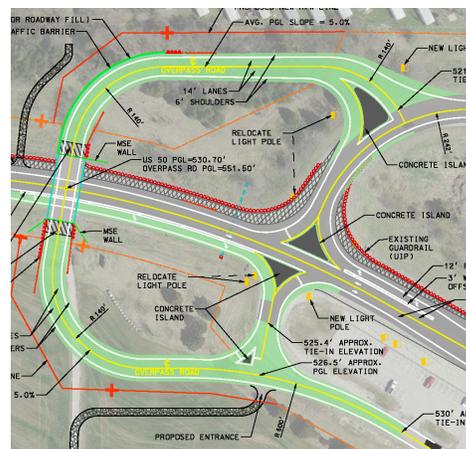


## traffic engineering

With two PTOs on staff, our traffic engineering team brings decades of experience to help communities enhance mobility, improve safety, and support sustainable growth. We combine advanced data analysis, practical design standards, and local expertise to deliver comprehensive traffic solutions—from signal timing and roadway geometry to pedestrian safety and corridor planning.

### J6P2350 Safety Improvements Study at U.S. Route 50/Route AT

As one of the short-listed teams invited to provide safety improvements for the MoDOT “Road to Saving Lives” Design-Build project, TWM conducted a traffic study and reviewed the viability of five intersection configurations. TWM authored a conceptual study report to record the findings and recommend a preferred option. Our team analyzed the geometry of each concept based on traffic modeling, explored the cost and methodology of building each option, and reviewed utility and environmental impacts.



## construction inspection

Our services put experts on-site and include engineered layout, construction observation, utility coordination, 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.

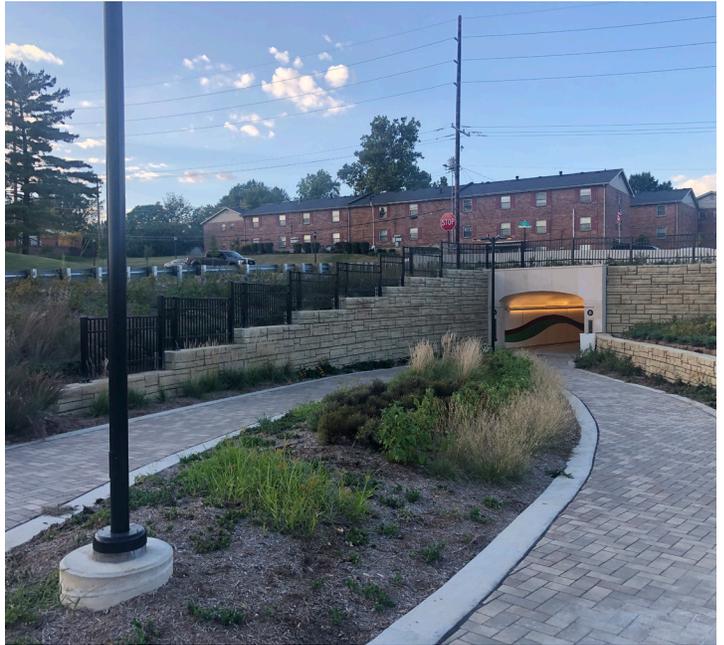
### MetroBikeLink Trail System Extension

TWM has provided on-going design and construction phase services to the St. Clair County Transit District (SCCTD). Under a Master Agreement, TWM has designed 16 miles of the MetroBikeLink Trail from Fairview Heights Station to Scott AFB Station. Services include construction observation of contractor’s work, daily log of progress, coordination with METRO for JHA’s and track allocation meetings, real-time checks on asphalt paving for thickness and proper placement, and staking verification.





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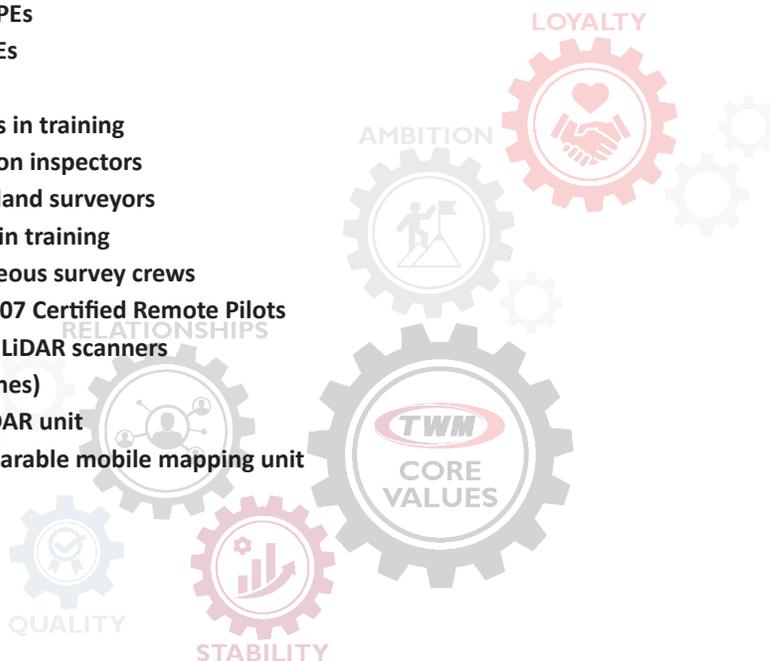
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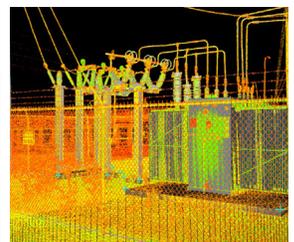
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4.9 MoDOT Performance Rating

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### J6P3288 Route 21 Pavement Improvements, ADA, & Bridge Rehabilitation

TWM is developing final bridge rehab plans for 11 bridges along Route 21. TWM performed a site visit with MoDOT to confirm the project scope, which consists of a bridge re-deck, bridge deck overlays, joint replacements, and various other structural repairs.

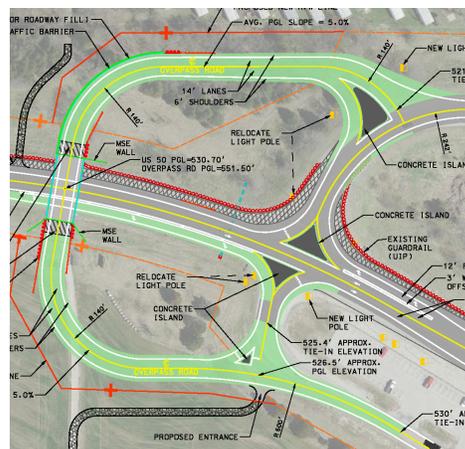


## traffic engineering

With two PTOs on staff, our traffic engineering team brings decades of experience to help communities enhance mobility, improve safety, and support sustainable growth. We combine advanced data analysis, practical design standards, and local expertise to deliver comprehensive traffic solutions—from signal timing and roadway geometry to pedestrian safety and corridor planning.

### J6P2350 Safety Improvements Study at U.S. Route 50/Route AT

As one of the short-listed teams invited to provide safety improvements for the MoDOT “Road to Saving Lives” Design-Build project, TWM conducted a traffic study and reviewed the viability of five intersection configurations. TWM authored a conceptual study report to record the findings and recommend a preferred option. Our team analyzed the geometry of each concept based on traffic modeling, explored the cost and methodology of building each option, and reviewed utility and environmental impacts.



## construction inspection

Our services put experts on-site and include engineered layout, construction observation, utility coordination, 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.

### MetroBikeLink Trail System Extension

TWM has provided on-going design and construction phase services to the St. Clair County Transit District (SCCTD). Under a Master Agreement, TWM has designed 16 miles of the MetroBikeLink Trail from Fairview Heights Station to Scott AFB Station. Services include construction observation of contractor’s work, daily log of progress, coordination with METRO for JHA’s and track allocation meetings, real-time checks on asphalt paving for thickness and proper placement, and staking verification.

