



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



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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:

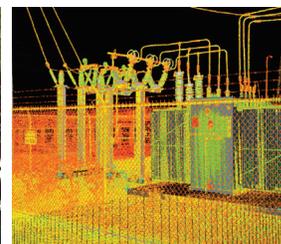
St. Louis
Columbia

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.

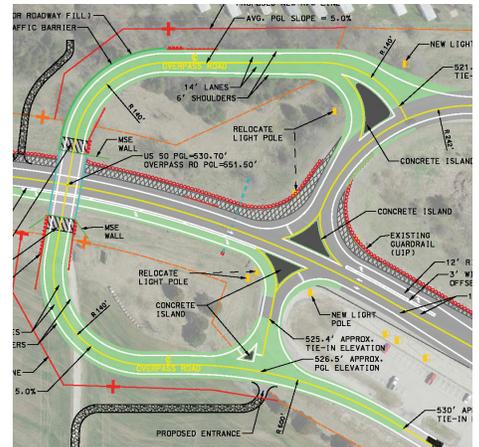


traffic engineering

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.

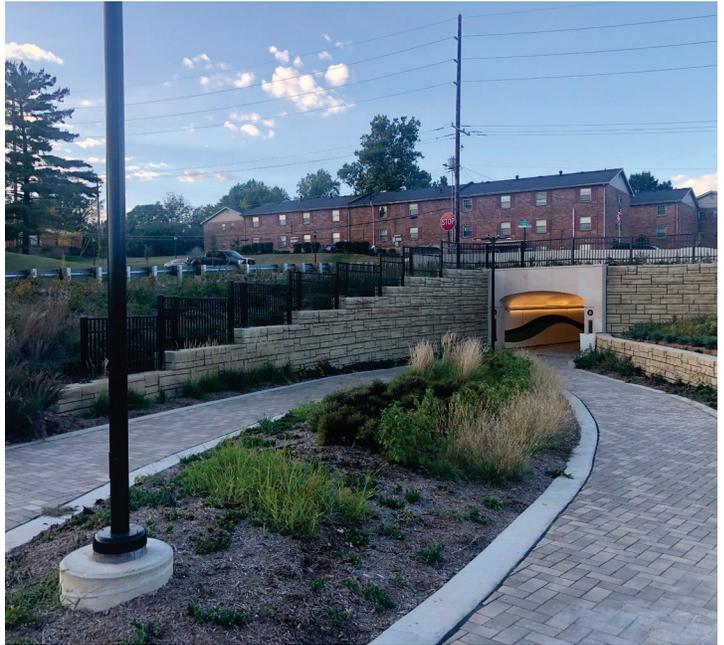
MetroBikeLink Trail System Extension

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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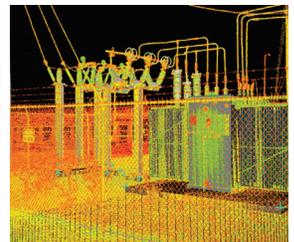
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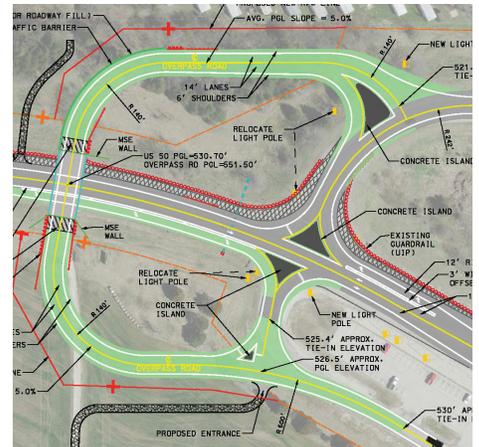


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