



**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 Blvd., 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**



December 12, 2025

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

Re: Letter of Interest for 2026–2029 On-Call Professional Services, Trails & Sidewalks

Dear Members of the Selection Committee:

We enthusiastically submit our interest to provide on-call professional services for the Missouri Highways and Transportation Commission. TWM has extensive trail and sidewalk experience design experience for DOTs, municipalities, and other entities throughout Missouri, 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 team has extensive experience in the planning and design of trails, sidewalks, and shared-use paths that enhance safety, accessibility, and community connectivity. TWM’s expertise includes the design and implementation of concrete, asphalt, and crushed stone paths; on- and off-road facilities; trailheads; pedestrian bridges; boardwalks; and associated wayfinding, signage, and amenities. Our multidisciplinary staff supports every phase of project delivery, from surveying and right-of-way coordination to permitting, cost estimation, and construction observation. Over the past decade, TWM has designed more than 40 miles of pedestrian and bicycle infrastructure and over 1,100 ADA-compliant curb ramps throughout Missouri and Illinois.

Our approach emphasizes collaboration, responsiveness, and constructability. Whether developing alignment alternatives, addressing field-driven challenges, or advancing plans on accelerated schedules, TWM delivers practical, high-quality designs that help communities bring their trail and sidewalk projects to life.

PAST PERFORMANCE



Route 100 (Manchester Road) & Pedestrian Underpass

Improvements included raising Route 100 to accommodate a pedestrian underpass, 5’-wide ADA-compliant pedestrian facilities on the north side of Route 100 and 10’-wide shared-use path on the south side, streetscape elements, upgrades to drainage, addition of flashing beacons, and 1,000 linear feet of 12’-wide shared-use path to connect Rogers Parkway to GRG’s Deer Creek Greenway.

Funding | Federal (STP-S, Grant)
Owner | City of Brentwood, MO
Reference | Dan Gummersheimer, PE, Director of Public Works, 314.963.8642
Cost | \$6.1 million (bid)
Timeline | 2021 (design); 2023 (constr)
Team | Josh Stein, PE; Kevin Ostermiller, PE; Ryan Cerniglia, PE



Colinear Trail—Katy Trail State Park

TWM designed a 1.4 mile colinear trail to relocate a segment of the Boonville to Clinton section of the Katy Trail for Missouri State Parks. The new 12-ft. wide trail is an offset from the former trail segment and will allow the Union Pacific Railroad to resume use of their railbed for a short line railroad. Design also includes one pedestrian/service vehicle bridge crossing to span over Cedar Creek.

Funding | State, Private, Federal Grants
Owner | Missouri State Parks
Reference | Jonathan Fitch, Program Director, Missouri State Parks 573.522.6390
Cost | \$33.4 million (est)
Timeline | 2018 (design); 2019 (constr)
Team | Sheila Kimlinger, PE, SE; Ryan Cerniglia, PE; Chris Kuester, PE, CFM



Russell Avenue Shared-Use Path

This 8’ wide shared-use path was part of a larger improvement project connecting two City Parks. To maximize the grant funds and expedite construction, our team combined the Russell Avenue Shared-Use Path bid package with the Deer Creek Greenway Connector bid package to MoDOT LPA standards, allowing the improvements for both to be built in tandem.

Funding | Federal
Owner | City of Brentwood, MO
Reference | Dan Gummersheimer, PE, Director of Public Works, 314.963.8643
Cost | \$2.04 million (est)
Timeline | 2023 (design); 2024 (constr)
Team | Ryan Cerniglia, PE; Sheila Kimlinger, PE, SE



Longview Boulevard Improvements

This project consisted of pavement resurfacing, addition of sidewalks, and inclusion of traffic calming measures (speed humps and geometric changes). Public was engaged by the design team early in the project development to provide comments that helped steer the layout of the sidewalk and traffic calming types and locations. Two public meetings were held to solicit public comment and one-on-one meetings were held with residents on the sidewalk. TWM reduced the size and number of easements and minimized tree removal.

Funding | Local

Owner | City of Kirkwood, MO

Reference | Chris Krueger, PE, City Engineer, 314.822.5820

Cost | \$844,338 (low bid)

Timeline | 2022 (design); 2024 (constr)

Team | Ryan Cerniglia, PE



St. Charles County Bike-Walk—Phase 1 Improvements

This project enhances over 18 miles of multi-use paths and bike lanes with new wayfinding, pavement markings, and signage to unify the County's active transportation network. The project adds 1.6 miles of new trail, upgrades intersections and mid-block crossings with RRFBs for ADA accessibility, and follows MoDOT standards under TAP grant funding. TWM provided full engineering design, cost estimates, and community engagement support.

Funding | Local, State, Federal Grant

Owner | St. Charles County Roads & Traffic Dept.

Reference | Sara Nelson, PE, PTOE, Project Manager, 636.949.7900

Cost | \$2.35 million (est)

Timeline | 2024 (design)

Team | Ryan Cerniglia, PE; Jeff Reis, PE, PTOE;



Old Collinsville Road Trail Corridor

TWM designed a 10'-wide shared-use path from Lebanon Road to Ashland Avenue (3.5 miles). Trail includes connections to Clinton Hill Park Loop Trail, Richland Creek Trail, and St. Ellen Trail. Project included a pedestrian truss structure over Richland Creek, upgrades to two existing traffic signal locations to include pedestrian push buttons, and a flashing beacon at the road crossing near Clinton Hill Park. Land acquisition and grant support services were also provided.

Funding | Local, State

Owner | St. Clair County Transit District

Reference | Ken Sharkey, Managing Director, 618.628.8090

Cost | \$1,857,842 (Phase IV low bid)

Timeline | 4 different phases: 2021, 2022, 2023, and 2025

Team | Josh Stein, PE; Chris Kuester, PE, CFM; Kevin Ostermiller, PE; Sheila Kimlinger, PE, SE

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.



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.



Ryan Cerniglia, PE | Project Engineer 21 Years Experience

Ryan is an accomplished civil engineer in transportation design and site development. He prepares detailed drawings, specifications, and bid documents and designs trail and sidewalks, roadway improvements, stormwater management systems, utility design, and ADA accessibility. His excellent communication and organizational skills result in a detail-oriented approach to engineering design and management.



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.



**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 using MoDOT's EPG.

FAMILIARITY & CAPABILITY

TWM has extensive experience delivering federally funded trail and sidewalk projects in accordance with FHWA and MoDOT requirements. Our team has successfully completed pedestrian and bicycle infrastructure improvements across multiple MoDOT Districts and local agencies throughout central and eastern Missouri. These projects include shared-use paths, sidewalk infill, ADA upgrades, and intersection improvements designed to enhance connectivity, safety, and accessibility for all users.

Our engineers and technicians are well-versed in MoDOT's policies, procedures, and documentation standards, including plan preparation, cost estimates, right-of-way coordination, and environmental compliance. We routinely coordinate with MoDOT and local agency staff throughout design and review phases to ensure adherence to EDS, AASHTO, and MUTCD requirements.

TWM's transportation and site development staff combine technical expertise with practical field experience to deliver trail and sidewalk projects that are functional, durable, and context-sensitive. Our team's familiarity with federal funding documentation, environmental permitting, and local approval processes helps ensure projects are delivered efficiently, on schedule, and within budget.

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 | Our engineers bring specialized expertise in trail and sidewalk design, ADA accessibility, and pedestrian safety, creating functional, user-friendly, and compliant facilities.



Extensive Local & Regional Experience | Proven success delivering trail and sidewalk projects for cities, counties, and park districts throughout the region, with efficient coordination and responsive project management.



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 | Experienced in public outreach and stakeholder coordination, with clear exhibits and visuals 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.**

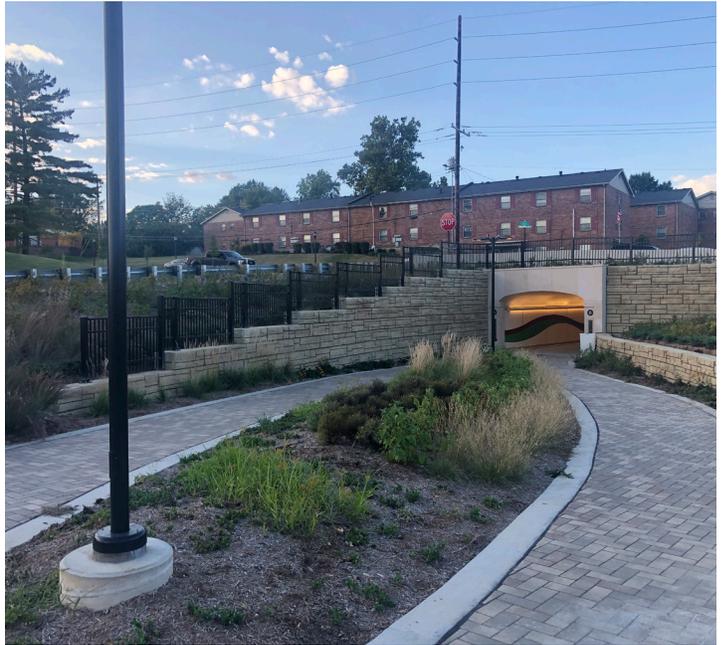
Respectfully,

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:

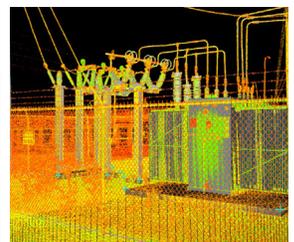
St. Louis
Columbia

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.



4.9 MoDOT Performance Rating

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

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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.

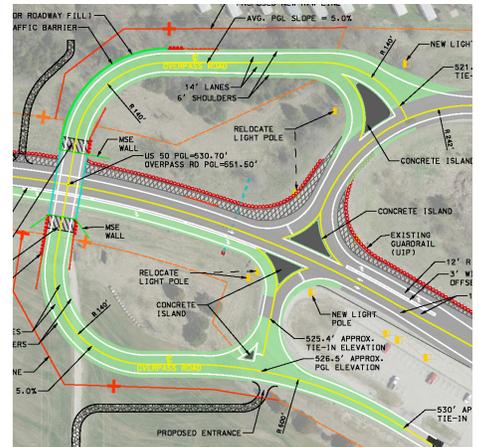


traffic engineering

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

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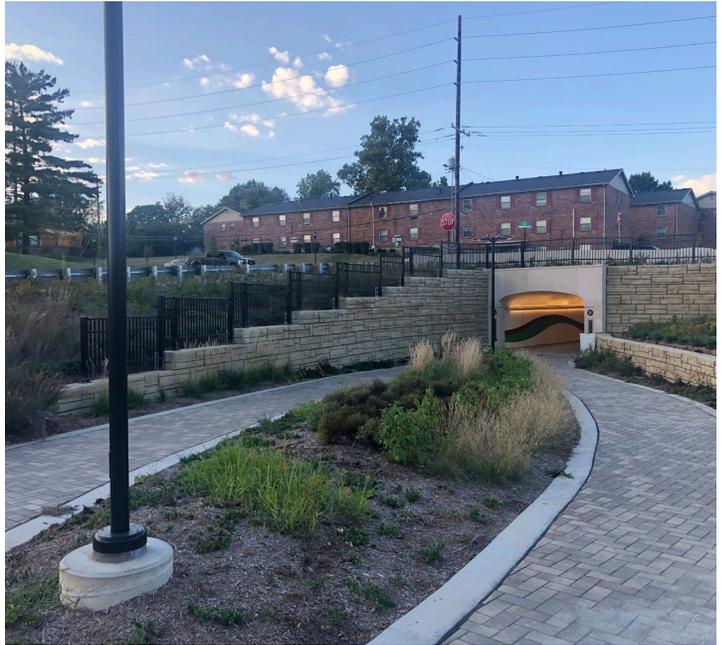
MetroBikeLink Trail System Extension

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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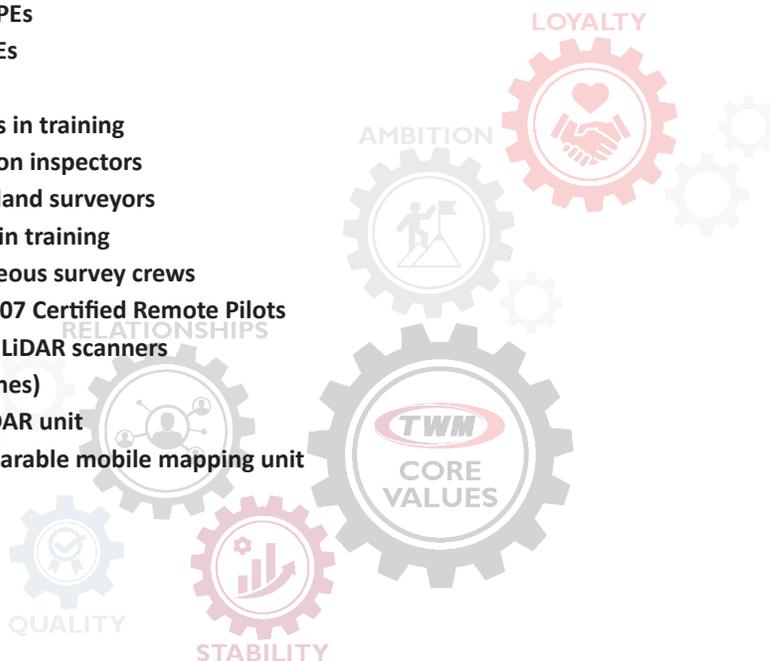
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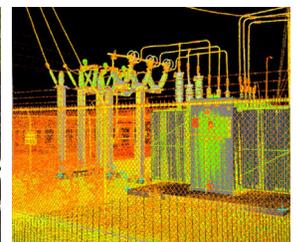
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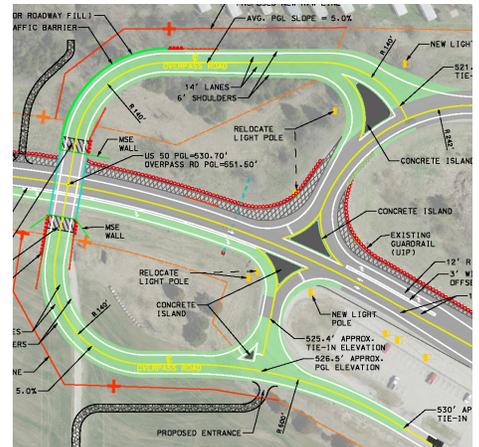


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