



**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. (TWM, 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 On-Call Professional Services—2026-2029, Traffic Engineering & TEAP

Dear Members of the Selection Committee:

We're pleased to submit our interest in pre-qualification with Missouri's Local Program and to be considered for the LPA on-call list. TWM has extensive traffic engineering design experience for MoDOT, municipalities, and other entities, a stellar record of performance, exceptional personnel, familiarity with all phases of local, state, and federal projects, and an established responsiveness to our client needs. At TWM, we offer the capabilities and expertise 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 has experience in all areas of roadway design, notably traffic engineering services including traffic impact studies, signalization, signing, lighting, pavement markings, corridor safety studies, intersection safety and analysis, speed limit review, pedestrian/bike route analysis and design, parking issues, and traffic modeling. This experience has shaped our engineers into highly skilled specialists adept at developing traffic engineering designs that are safe, efficient, and cost-effective.

Our approach emphasizes clear communication, quick problem-solving, and designs that reflect real-world construction considerations. Whether we're evaluating alternative designs, addressing field-driven challenges, or advancing plans through tight schedules, TWM consistently provides reliable, high-quality support that helps move projects from concept to construction. Some of our recent traffic and transportation-related projects are included below:



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 | Jeff Reis, PE, PTOE, Kevin Ostermiller, PE; Sheila Kimlinger, PE, SE



J6P3288 Route 21 Roadway & Intersection Improvements

Included pavement resurfacing, ADA improvements, 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 | Kevin Ostermiller, PE; Josh Stein, PE; Sheila Kimlinger, PE, SE



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

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



Wentzville Parkway Left-Turn Lane, Phase II

Work included designing enhanced pedestrian facilities with a 10' wide, multi-use trail featuring ADA-compliant curb ramps, upgrading stormwater system, lighting, and associated utility adjustments, replacing 4' sidewalks on both sides of the roadway with a 6' sidewalk and 10' multi-use trail, and replacing a significant number of pavement slabs while maintaining traffic flow.

Funding | CRB & STP

Owner | City of Wentzville, MO

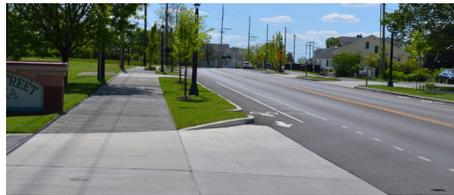
Reference | Anthony Gambaro, Project Manager, 636.639.2053

Cost | \$2,200,000 (est); \$2,129,220 (bid)

Timeline | 2018 (est); 2019* (act)

*Delay in right-of-way acquisition

Team | Kevin Ostermiller, PE



Manchester Road Streetscape, Phase 3

The project incorporated 12' vehicular lanes, 10' bike lanes, and 5' ADA-compliant sidewalks to facilitate movement of a variety of travelers. Designed nearly two miles of pedestrian facilities, comprehensive drainage design, including water quality and permanent BMPs. On-street parking lanes, street lighting, and street trees were included along both sides of Manchester Road.

Funding | Local

Owner | City of Wildwood, MO

Reference | Rick Brown, Director of Public Works, 636.458.0440 ext. 114

Cost | \$3,107,130

Timeline | 2019 (design); 2020 (constr)

Team | Kevin Ostermiller, PE



River Bridge District Traffic Study, Phase II

TWM completed traffic analysis and intersection design studies to detail the construction of a roundabout. Designed roundabout layout/geometrics, new alignment and profile for adjacent roadway modifications, pavement marking, signage, truck turning movements, and SIDRA Intersection Capacity Analysis for determining line of sight of approach and roundabout.

Funding | County, Grants, & Private

Owner | St. Clair County Highway Dept. Roads & Bridges / E. St. Louis / St. Clair County Transit District (SCCTD)

Reference | James Harms, Assistant County Engineer, St. Clair County Dept. Roads & Bridges, 618.233.1392

Cost | \$1 million (est); \$860,000 (act)

Timeline | 2016 (design); 2018 (constr)

Team | Michelle Schwierjohn, PE, PTOE; Josh Stein, PE; Sheila Kimlinger, PE, SE

QUALIFICATIONS OF PERSONNEL

We propose that Jeff Reis, PE, PTOE, serve as Project Manager. His experience in designing and managing transportation projects means you get the expertise needed to guide projects 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 traffic control and studies, drainage, ADA compliance, and pavement management. Key staff members are shown below:



Jeff Reis, PE, PTOE | Project Manager 20 Years Experience

Jeff's experience includes a focus on the design and management of municipal transportation and traffic projects. 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.

- Lincoln Corporate Center Traffic Study & New Intersection
- IL 159 Right-Turn Lanes Intersection Improvements
- Swansea Streetscape Intersection Safety Design



Kevin Ostermiller, PE | Lead Engineer 17 Years Experience

Kevin designs a wide range of transportation projects, including roads, bridges, bike trails, and sidewalks. His expertise covers roadway

design, roadway drainage, hydrologic and hydraulic analysis, ADA/PROWAG compliance, traffic control, utility coordination, and environmental clearances.

- Route 100 (Manchester Road) Rehabilitation
- Safety Improvements Study at U.S. Route 50/Route AT
- West Clay Street, Phase 1 Reconstruction



Michelle Schwierjohn, PE, PTOE | Traffic & Safety Engineer | 20 Years Experience

Michelle designs transportation and traffic projects involving roadway geometry, drainage systems, and intersection design.

Her experience includes traffic analysis, signal design, pavement marking, signage, and traffic impact studies for projects ranging from local streets to complex interchanges.

- Safety Improvements Study at U.S. Route 50/Route AT
- 900 Tucker Traffic Redevelopment
- MoDOT Mid-Missouri ADA Plan



Chris Kuester, PE, CFM | Hydraulics/ Drainage Engineer | 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.

- Grant's Trail Bridge Repair and Rehabilitation
- Latty Road Parking Lot
- University Crossing, St. Louis County



**Josh Stein, PE | Project Engineer
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.

- North Belt West at Frank Scott Parkway Intersection
- MetroBikeLink Trail Safety Study
- SIMPO IL Route 13 Pedestrian Crossing Study



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

Sheila has managed hundreds of projects from start to finish and has also been responsible for the schedule, quality, and budget. Sheila directs and coordinates her entire project team on each project, including sub-consultants, to ensure all work is completed in accordance with Federal and State requirements.

- Route 100 (Manchester Road) Rehabilitation
- Route 21 Roadway & Intersection Improvements
- West Clay Street, Phase 1 Reconstruction

FAMILIARITY & CAPABILITY

TWM is extremely familiar with delivering federally funded projects in accordance with FHWA and MoDOT requirements. Your traffic engineering and TEAP design projects will be compliant with all federal regulations and guidelines. We have an impressive record of keeping projects on schedule and within budget for the clients we serve and will work diligently to meet the needs of LPA clients.

Our team has successfully completed multiple projects with traffic engineering elements. We have a skilled staff of transportation engineers and technicians who routinely coordinate with MoDOT staff and are well-versed in MoDOT's policies, procedures, and documentation standards, including plan design and development, specifications, cost estimates, design reviews, and project management phases. This combination of technical knowledge and practical field experience allows us to anticipate design challenges and provide solutions that improve traffic safety, mobility, and long-term performance.

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 2 Professional Traffic Operations Engineers, our team has the technical depth to support complex transportation and traffic projects and on-call assignments.



Extensive MoDOT & Local Experience | We have proven success delivering transportation 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 traffic design and transportation project is focused on safety, durability, and maintainability.



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

When you partner with TWM, you'll be working with a team of individuals who are dedicated to achieving success. We're committed to delivering quality projects, and it's our mission to consistently provide **Exceptional Service. Nothing Less.**

Respectfully,

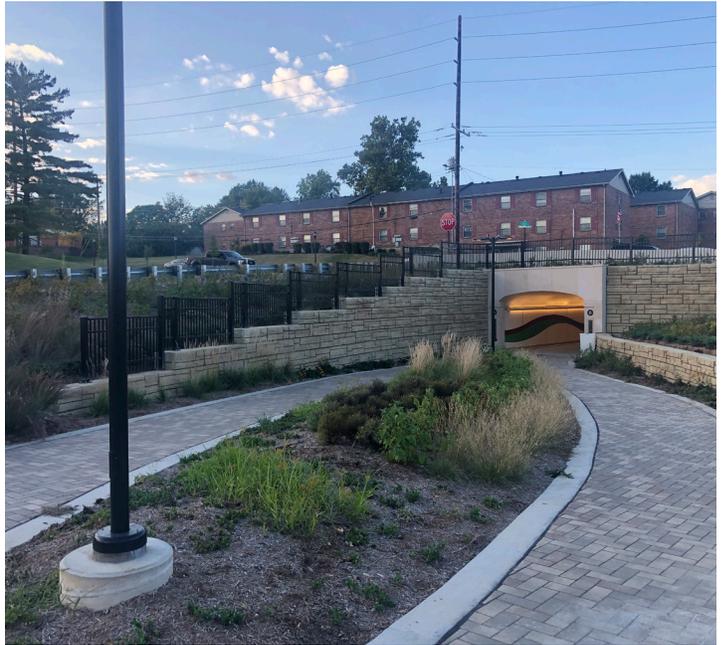
TWM, Inc.



Jeff Reis, PE, PTOE | Project Manager
618.624.4488 | jreis@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.

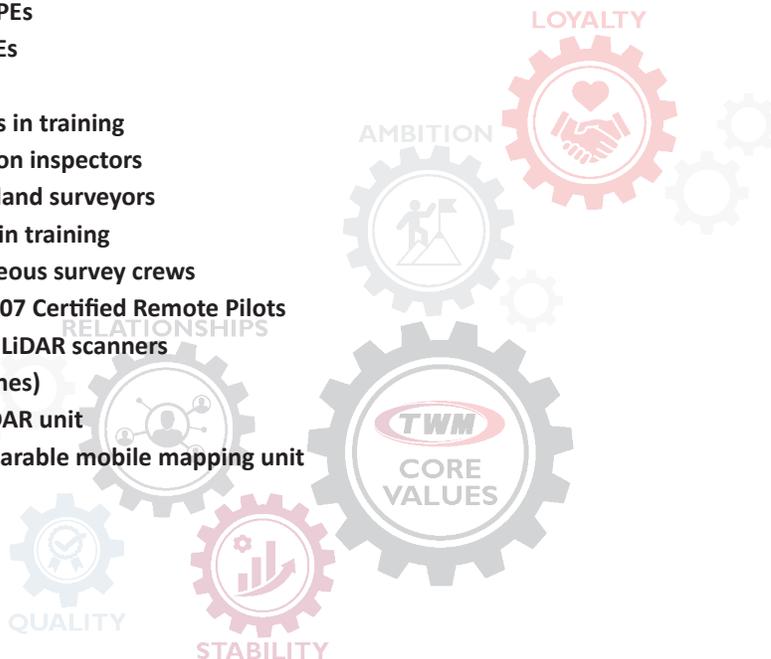
We're capable of providing a **broad range of design projects** and related services for nearly any type of project, including:

- Roadways, highways, and streetscapes
- Trails, sidewalks, multi-modal and pedestrian facilities
- 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:

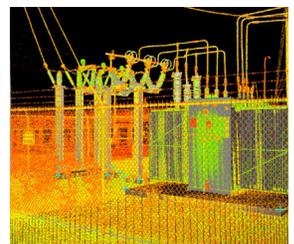
St. Louis
Columbia

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

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.

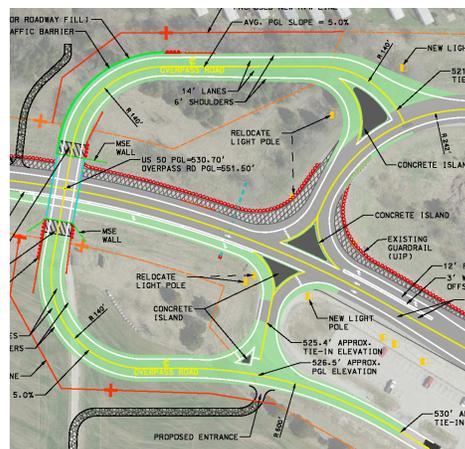


traffic engineering

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.

