

THE SAM DIFFERENCE

Redefining how infrastructure is delivered by combining geospatial intelligence, engineering expertise, and advanced technology within a single, streamlined service model.



Surveying And Mapping, LLC (SAM) is the leading geospatial professional services firm, trusted to deliver innovative and customized solutions for projects of any scale. Our teams integrate advanced technologies, deep domain expertise, and flexible delivery models to support infrastructure and capital programs with speed, precision, and confidence.

SAM delivers a comprehensive suite of services for collecting, managing, and analyzing complex spatial data across diverse markets and infrastructure programs. Our capabilities include:

- Professional Land Surveying
- Aerial Mapping
- Subsurface Utility Engineering (SUE)
- Utility Coordination (UC)
- Construction Engineering and Inspection (CEI)
- Geographic Information Systems (GIS)
- Building Information Modeling (BIM)
- Digital Data Services

This broad range of expertise provides critical data, insight, and oversight needed to support successful project delivery from concept through completion.

With more than 31 years of experience and 51 offices nationwide, SAM has the expertise, processes, plans, tools, and technology to develop efficient and tailored solutions for projects of any scale.

MISSOURI RESOURCES

3 Offices
100+ Personnel
12 PLS
5 PEs
9 Survey Field Crews
4 SUE Field Techs
30 CADD Techs

MIDWEST RESOURCES

12 Offices
280+ Personnel
38 PLS
14 PEs
30 Survey Field Crews
34 SUE Field Techs
80 CADD Techs

NATIONWIDE RESOURCES

51 Offices
1,600+ Personnel
112 PLS
36 PEs
200+ Survey Field Crews
122 SUE Field Techs
474 CADD Techs

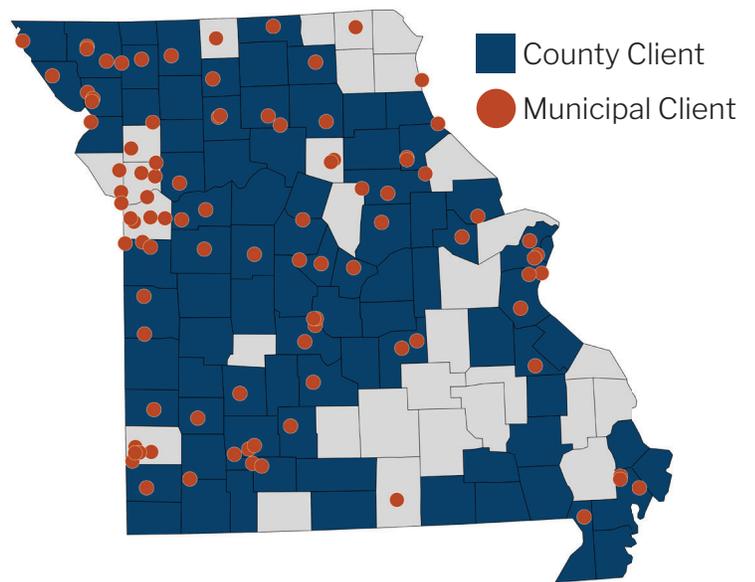
MODOT, MISSOURI, AND TRANSPORTATION EXPERIENCE

MoDOT Experience Since 2012

SAM is proud to have been selected by MoDOT for various technical and professional services for many projects, on-call assignments, and as subconsultants. As a national leader in geospatial services, SAM has supported MoDOT in addressing challenges across multiple service lines since 2012. This performance is driven by effective project management, industry-leading technology, and proven processes. In recent years, SAM has become one of the premier SUE firms in the St. Louis region and now provides CEI services for MoDOT. Historically, our work in LiDAR and surveying has helped address statewide photogrammetry needs for guardrail inventory, corridor planning, and topography and boundary surveying. SAM has also led and supported various GIS services for the Department and local public agencies. To help deliver these important services, SAM brings several former MoDOT employees that have diverse experience and expertise in the Department's program delivery and operations.

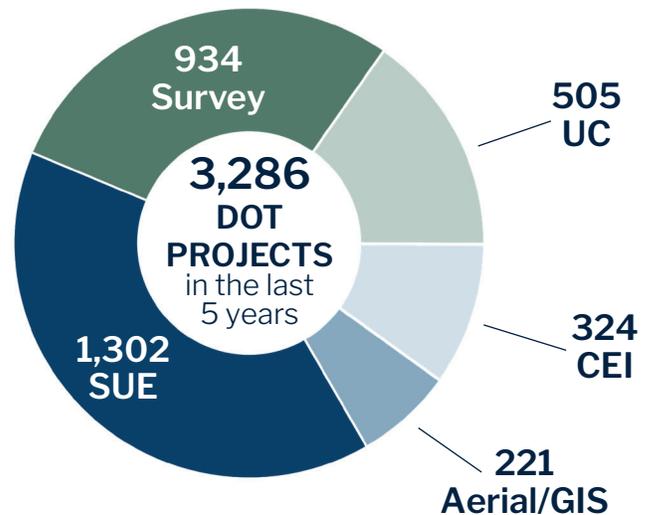
Missouri Experience

With more than 24 years of experience across Missouri, SAM's support for state organizations, counties, municipalities, and utility companies is unrivaled. This includes projects in both the private and public sectors, notably in utilities, transportation, and other government agencies. **In the last five years alone, SAM delivered more than 1,200 projects throughout Missouri.** SAM completed the largest GIS project in the State for the Missouri Department of Conservation (MDC) and has provided statewide survey and data acquisition services for MoDOT for more than a decade. With three Missouri offices and over 100 highly trained staff, SAM's local knowledge has led to consistent selections to deliver surveying, LiDAR, photogrammetry, GIS, SUE, UC, and CEI throughout the state for clients at every level.



Nationwide DOT Experience

Since our founding in 1994, SAM has supported DOT projects that require us to meet and uphold state and federal regulations. Successful work in the DOT sector is part of what allowed our firm to expand and grow into what we are today, a nationwide provider of geospatial and construction solutions. To date, SAM has worked with 24 DOTs, successfully providing aerial mapping, surveying, SUE, UC, CEI, GIS, and many other services.



LAND SURVEYING

SAM's industry-leading land surveying solutions capture data in even the most difficult-to-access locations. Our capabilities are supported by the industry's most advanced technology, including high-density terrestrial, mobile, and airborne LiDAR solutions, 3D scanners, and leading edge sensors that collect detailed data and as-visible imagery.

Our field crews mobilize with the best data collection and communication tools. Trimble robotic total stations and dual-frequency GPS survey equipment meet the needs for the most demanding surveying projects. Survey tablets with integrated laptops, data collection, navigation systems, and digital cameras provide real-time data exchange between field and office operations, increasing speed and productivity in data collection and management. In addition, we own and operate several different leading high-definition scanners (HDS) for ultra-high-speed terrestrial LiDAR scanning.



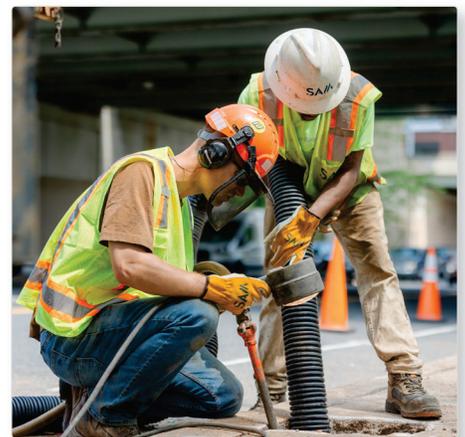
AERIAL MAPPING

SAM provides high-density, high-resolution remote sensing datasets that achieve survey grade accuracies utilized for engineering design and as-built documentation. Our tools include manned and unmanned aerial systems (UAS), fixed-wing and rotary aircraft, and mobile mapping for highway, off-road, or marine environments. All of our LiDAR and scanning platforms are tightly coupled with high-definition image sensors where data can be acquired in both the visible and non-visible electromagnetic spectrum. Multiple sensors can be configured for acquisition during a single flight or drive that yields high value, multi-purpose products in an efficient manner.



SUBSURFACE UTILITY ENGINEERING

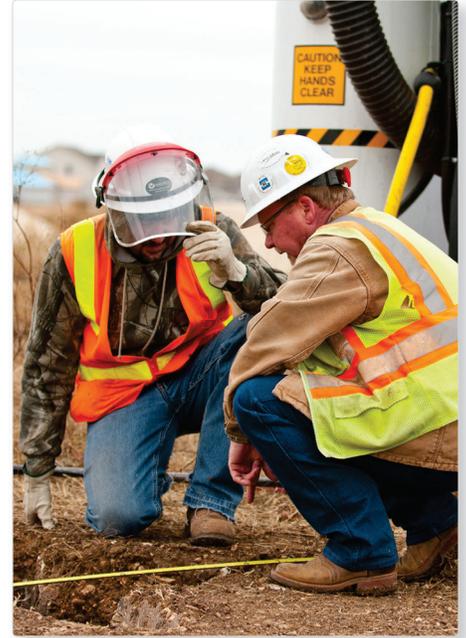
SAM's SUE team provides high-quality information on the existence and location of underground utilities using state-of-the-art geophysical sensing equipment to identify, designate, locate, and map existing and abandoned utility infrastructure. We recognize every site is different, so we bring a suite of equipment including magnetic, sonic, and acoustic technologies; ground penetrating radar; and radio frequency detection. SAM provides SUE Quality Levels "D" through "A" under the oversight and direction of an experienced registered Professional Engineer or Professional Land Surveyor in strict accordance with CI/ASCE 38-22.



UTILITY COORDINATION

At SAM, our comprehensive utility coordination services blend expert knowledge, cutting-edge tools, and extensive experience to solve complex utility challenges before they become roadblocks. By integrating early communication, strategic planning, and proactive conflict resolution, we streamline the utility coordination process, enabling projects to move forward efficiently and cost-effectively.

Our experienced team works hand-in-hand with utility owners, designers, contractors, and municipal agencies to navigate regulations and optimize project timelines. With a tailored approach incorporating advanced SUE services, detailed site inspections, and robust project tracking, we provide the essential data and insights to make informed decisions, reduce risk, and accelerate project delivery. For transportation and infrastructure projects, it's effective utility coordination that drives success — ensuring projects are completed on time, on budget, and with minimal disruption.



CONSTRUCTION ENGINEERING AND INSPECTION

Engineering inspection services are a critical link between design and execution. SAM provides material testing to validate as-built to engineering design criteria, with expertise in program management for transportation infrastructure. Our engineering team provides quality assurance to ensure compliance with state and federal requirements, providing our clients with the trusted confidence that their program is being executed on time, within budget, and with the highest quality engineering standards.

SAM has embedded advanced technology and modern scientific instruments, digital sensors, and software solutions to enhance our inspection services. These innovative tools enable engineers and program managers to rapidly obtain insights that enhance the outcomes we deliver to our clients. SAM swiftly mitigates stakeholder risks, enabling focused actions that align with the strategic objectives and positively impact the financial performance of infrastructure projects.



BRIDGE DECK SURVEYS

SAM's bridge inspection teams combine LiDAR, remote vehicles, and advanced sensor technologies to perform accurate, efficient, and safe evaluations of bridge deck conditions. We partner directly with DOTs to deliver comprehensive inspection data, even in the most difficult-to-access locations.

