Problem Solved.

Firm Profile
Cole is a multi-disciplined design and engineering firm providing civil engineering, surveying, planning, landscape architecture, and ADA self-evaluation & transition plan services. Since our inception in 1990, Cole has expanded its Midwest presence and has grown from a single office headquartered in St. Louis, Missouri, to multiple offices throughout the country. Our multiple locations and extensive local experience allowed the firm to develop into a nimble and knowledgeable organization, capable of providing quality and responsive services nationwide.

Multi-Disciplined Approach
Cole’s strength is grounded in our multi-disciplined approach, allowing us to provide the traditional planning services in complete integration with our engineering, survey, and landscape architecture groups. Our ability to provide multiple services housed under one roof saves our clients time and money and has a direct impact on multiple aspects of a project. Decisions made early in the design process have a direct impact on a project’s feasibility, and Cole’s multi-disciplined approach and experienced team ensure a seamless project execution, from kick-off to delivery.

Partnerships
Cole’s unique project approach extends to our outlook on teaming with our partners in architecture and construction, resulting in a direct impact on authenticity of design, constructability, and sustainability. Grounded in the belief that collaborative relationships result in a greater competitive advantage, we develop an understanding of our client’s needs and ensure that our team’s individual strengths are utilized. Through our attention to detail and responsive approach to project management, Cole has earned a reputation for doing the job right the first time.

Cole is a unique firm composed of many disciplines committed to one common goal: solving any problem, anywhere.
Civil Engineering

Cole’s engineering group consists of a strong network of talented professionals, combining real world experience and a solid background touching a wide variety of project types.

Since 1990, we developed a reputation on our ability to complete projects right the first time—often under budget and ahead of schedule. With a quality control process that yields outstanding results on every project, we monitor the design concept goals as well as the technical details of the project, ensuring compliance with goals, objectives, and specific directives.

Cole’s strong ethics combined with unmatched engineering experience and relentless attention to detail provides clients with the unique ability to break ground ahead of schedule, thus reducing time wasted and money spent.

Surveying

Merging the latest technologies with some of the most experienced personnel in the industry, Cole’s surveying group sets the standard for the industry. We produce highly accurate results for our clients utilizing the latest innovations, such as:

- GPS
- Total Stations
- Robotic Stations
- Static Surveys
- Real-time Kinematics
- Automatic + Electronic Levels
- Digital Surface Modeling

Offering a full range of land surveying services to clients in the residential, commercial, and municipal sectors, Cole specializes in jobs that require a fast turn-around. Our skill and expertise keep you on schedule, and provides all plans, information, and expertise necessary to finish your project.
Disciplines of Expertise

Landscape Architecture

At Cole, we take pride in creating and implementing landscape architectural designs that are sustainable, easily accessible, and seamlessly integrated into the surrounding context and communities. Our landscape architecture specialists can solve your specific landscaping challenge, or work as a team with our surveyors and civil engineers to prepare an entire site for construction. We work closely with commercial/custom builders for new construction as well as owners of established residences and buildings.

Our goal is to create an image through professional landscape design and construction that goes beyond typical materials and landscape elements—we’ll collaborate with you to create an atmosphere that’s a direct reflection or your company and your mission.

Unmanned Aircraft Systems

Cole uses both fixed wing and rotary UAS platforms to professionally design the right solution for our customer’s needs. Both UAS collect images with high-resolution and accurate products which provide rich data that can be disseminated into specific solutions. The rotary systems utilize a highly accurate global navigation satellite system (GNSS) and inertial measuring device (IMU) to accurately locate the camera’s position and greatly reduce the need for ground control point, significantly saving time, and thus money, without a loss of accuracy.

Traditional survey and mapping products, such as orthomosaics and digital terrain models, can be created from the UAS imagery by utilizing high image overlap. Additionally 3D models can be created of terrain, infrastructure, buildings, and landscapes, as well as other man-made structures or natural features that can be used throughout the planning, design, construction, and maintenance lifecycle.
Disciplines of Expertise

**ADA Compliance & Design**

At Cole, we are proficient in understanding the Americans with Disabilities Act (the ADA), and all the regulations, standards and guidelines that interpret federal requirements of public and private agencies relating to their built environment. This includes a highly specialized discipline in providing services for ADA Self Evaluation & Transition Planning, as well as design interpretations for alterations, upgrades and new construction of facilities. Cole is an expert in areas of public Rights-of-Way and facility standards, including:

- Public Rights-of-Way Guidelines (PROWAG)
- Americans with Disabilities Act Accessibility Guidelines (ADAAG)
- 2010 ADA Standards
- Manual on Uniform Traffic Control Devices (MUTCD)

Cole works with clients to make accessibility improvement a practical part of the planning process. Our efficient and effective methods assist public agencies and private organizations in avoiding the common mistakes in interpretation of the law and assessment practices. With Cole’s expert guidance and streamlined approaches, our clients mitigate transition-planning overwhelm and design pitfall risks.

**Geographic Information System (GIS)**

Cole combines mapping grade GPS units with GIS to more accurately gather, store, process, and deliver geographic information. GIS technology provides the tools for creating, visualizing, and interpreting the data associated with developing and managing utility and infrastructure projects. The use of GIS streamlines the collection, tracking, and real-time analysis of geographic project data. We have the ability to create electronic maps that can be leveraged to identify priority areas, reveal patterns, track maintenance or construction schedules, and conduct what-if scenarios which will drive the most informed decisions in land use and development.

With this GIS database, Cole can assist you with spatial analysis, overlay data, real estate and professional property data, as well as the integration of other systems and solutions. In turn, Cole can now combine the geographic datasets with spatial software to conduct advanced analysis, saving our clients time, effort, and money.