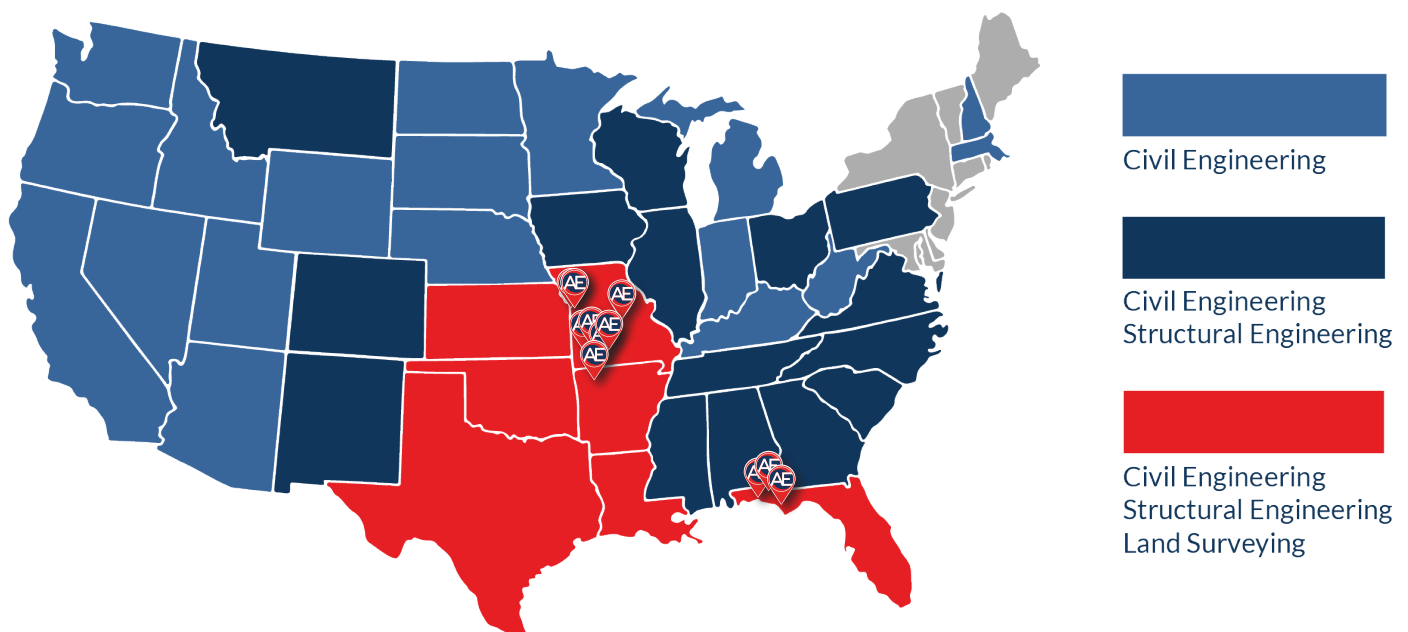


# COMPANY BROCHURE



## LICENSES & LOCATIONS



SPRINGFIELD, MO • JOPLIN, MO • CARTHAGE, MO • MONETT, MO • COLUMBIA, MO  
PENSACOLA, FL • DESTIN, FL • MILTON, FL • KANSAS CITY, MO • ROGERS, AR

WWW.AE-INC.COM | 866 866 2741 | 3213 S. WEST BYPASS SPRINGFIELD, MO 65807



# OUR COMPANY

Anderson Engineering, Inc (AE) began in 1954 as Tri-Lakes Concrete Company. What started as a one-office concrete company, has grown into a multi-million-dollar civil engineering and land surveying firm. Our eleven offices throughout Missouri, Arkansas, and Florida allow us to be centrally located to serve all 40 states in which we are licensed.

AE is 100% employee-owned, providing consulting services through our 200+ team members. Our professional team, alongside our incredible support staff, allows us to be a full service firm for all of your engineering needs.

At AE, our clients are our top priority. We serve public and private clients including architects, engineers, contractors, private developers, institutions, local, state and federal government agencies and individual homeowners. We work diligently to ensure that every dollar is spent strategically, efficiently, and responsibly to ensure a positive investment in our client's future. Our understanding of the area, excellent customer service, and our commitment to exceeding our clients expectations makes AE a great partner for you.



**Springfield • Joplin • Carthage  
Monett • Kansas City • Columbia**

## OUR SERVICES

**Anderson Engineering provides consultant services for survey, roadways, traffic, bridges, geotechnical engineering and construction services.**

### **SURVEY:**

Boundary Surveys  
Topographic Surveys  
ALTA/ACSM Title Surveys  
GIS/Asset Management Services  
Drone Aerial Topography/Photography  
Aerial Construction Progress Observation  
Thermal Imaging  
Mobile LiDAR

### **ROADWAYS:**

Corridor & Conceptual Studies  
Right-of-Way Plans/Land Acquisition Services  
Rural & Urban Highway/Freeway Design  
Pavement Assessment  
Intersection & Roundabout Design  
Traffic Signals  
Traffic Modeling & Impact Analysis  
Access Justification Reports  
Pedestrian/Trail ADA Design  
Public Presentation/Involvement

### **BRIDGES:**

Bridge Inspection  
Bridge Deck Surveys  
Bridge Design (concrete, steel, and timber)  
Hydraulic Modeling  
Pedestrian Bridges  
Bridge Rehabilitation/Redeck

### **CONSTRUCTION MATERIAL TESTING & INSPECTION:**

AASHTO Certified Material Testing Labs  
Concrete, Asphalt, Soil, Rock, Aggregate Testing  
Structural Steel & Weld Inspections  
Triaxial and Consolidation, Permeability Testing  
Contract Administration and Inspection

### **GEOTECHNICAL ENGINEERING SERVICES:**

Exploratory Drilling, Studies & Surveys  
In-Situ Testing & Laboratory Testing  
Foundation Analysis & Design  
Mining and Sinkhole Investigations

### **GENERAL ENGINEERING SERVICES – CIVIL/STRUCTURAL:**

Site Development  
Wastewater Collection & Treatment  
Water Supply, Distribution & Treatment  
Stormwater Collection Management  
Floodplain Analysis  
Vertical Structural Design



**Missouri's  
Local  
Program**  
*for community  
development*

# KEY PERSONNEL



**SEAN MATLOCK, PE | TRANSPORTATION PROJECT MANAGER** Sean brings 28 years of experience with MoDOT to AE. A recent MoDOT retiree, Sean spent his last 19 years at MoDOT as a Project Manager. He was responsible for many projects including high-profile projects in MoDOT's Southwest District such as the I-49 Corridor that added over 180 miles to the Interstate Highway System and also the Project Director for Rogersville Project Freeway. Rogersville Project Freeway was the first Design-Build project in the Southwest District and the first to incorporate right of way acquisition into the Design-Build Process. Project Freeway won regional and national awards for its innovations and community outreach. Since at AE, Sean has been involved with various types of project including Interchange projects on US 65 in Pettis County and I-49 in Carthage; roundabout in Carthage, intersection and street extension in Joplin, a bridge replacement in Greene County and various TAP and ADA transition projects.



**ANDREW ECKHART, PE, PRESIDENT | INFRASTRUCTURE DIVISION LEADER** Andrew has over 18 years of infrastructure engineering and management experience and leads our Infrastructure Division system-wide. He oversees efforts on dozens of Local Public Agency (LPA), MoDOT, and city projects all across the state. Andrew's experience includes assistance with funding applications and design for all types of public agency projects and funding programs including ARPA, CDBG, MDNR, USDA, BRO, SRTS, TAP, TEAP and MoDOT Cost-Share projects. Andrew's projects have included water distribution, wastewater collection, transportation, stormwater analysis, streetscapes and ADA Improvements. In 2018, Andrew was selected by MoDOT Central Office staff to serve on MoDOT's LPA Advisory Committee.



**PATRICK WHITAKER, PE | TRANSPORTATION PROJECT ENGINEER** Patrick has been with AE for over 2 years after a long career at MoDOT with 30 years experience in transportation design. At MoDOT, he spent 20 years as a Transportation Project Designer (TPD) supervising efforts to develop plans for multiple types of transportation projects including scoping and conceptual layouts. He was involved in plans to convert US 71 to I-49 that included interchanges and outer roadways and supervised efforts for the double roundabout interchange at Prigmore Avenue and I-44 to the Joplin Industrial Park. Since his time at AE, Patrick has been involved with the interchange and relocation projects on US 65 in Pettis County and I-49 at Fir Road in Carthage. He has been involved with the ADA projects in the Southwest and Northeast District and the I-70 Diamond Grinding and Pavement Repair in Callaway County in the Central District.



**DARREN JURANAS, PE | TRAFFIC DESIGN ENGINEER** Darren brings 8 years of roadway and active transportation experience and has been with AE for over 4 years. His roadway design experience includes signals, single- and multi-lane roundabouts, grade separated interchanges, and highway relocation projects. His active transportation design experience includes multiple pedestrian facilities, sidewalks, and shared use projects. His experience also includes the 15th Street and Rangeline Road intersection and roadway improvements. Darren is certified in 'Designing Pedestrian Facilities for Accessibility' (DPFA) through FHWA program.



**KEVIN MARTI, PE | CONSTRUCTION ENGINEER** Kevin has been with AE for 2 years and brings over 26 years of experience in design, project management, construction inspection, and administration of transportation, stormwater, and wastewater projects. He has worked with MoDOT and local cities including Carthage and Mount Vernon, Missouri and Miami, Oklahoma. Kevin has lead design teams in the production of roadway designs for all project phases from conceptual reports to contract plans. Kevin managed a team of inspectors as Resident Engineer during his tenure at MoDOT.



**GARY STRACK, PE, F.NSPE, VICE PRESIDENT | BRIDGE DIVISION LEADER, STRUCTURAL ENGINEER** Gary is widely known for his expertise in bridge engineering where he has worked on various aspects of more than 200 structures and roadway projects. Gary has worked on Missouri projects for 37 years and is very familiar with MoDOT and LPA processes and MoDOT staff. He has been with AE for over 5 years.

Our team's approach is to provide our clients a maintained high level of service through staff redundancy, continuity, team collaboration as partner and as an extension of LPA staff.

The table below illustrates our team and their experience.

ADDITIONAL STAFF MEMBERS	ROLE	EXPERIENCE											
			Survey	Roadway Design	CMT & Inspection	Bridge Design & Deck Survey	General Services- Civil	Geotechnical Engineering	LiDAR & Photogrammetry	Traffic Engineering	Traffic Structures	Utility Accom. & Coordination	ROW Acquisition & Relocation
Andrew Novinger, PE	Water/Wastewater Leader	24 Years		•			•			•		•	•
Jerrold Hogan, PLVS	Drone & LiDAR Operation Leader	24 Years	•						•				•
Nikolay Nedkov, PLS	Mobile LiDAR Specialist	22 Years	•			•			•				•
Sam DePriest, PLS	Survey Department Manager	30 Years	•			•							•
John Snider, PE	Construction Inspector	34 Years			•			•					
Cody White, PE	Field Services Division Manager	18 Years			•			•					
Kurt Mester, PE	Transportation Project Engineer	14 Years		•		•	•					•	•
Mark Stanley, PE	Hydraulic Project Engineer	10 Years		•	•	•	•					•	



# PROJECT EXPERIENCE

## J7P3I87I: MO RTE 571 | NEW ROUNDABOUT & SIDEWALKS PROJECT | CARTHAGE, MO - SW DISTRICT



MoDOT selected AE to design a five-leg single-lane roundabout on MO Route 571 eliminating a highly-congested and awkward intersection by providing better traffic operations and improved safety benefits. Design speed, geometrics, and fastest path of the roundabout were fundamental in attaining a good design. The new intersection also includes sidewalk connectivity to another MoDOT ADA transition project and an LPA project on MO Route 571. AE provided topographic and boundary survey, geotechnical investigation, traffic analysis, roadway design, stormwater collection, and photometric design for new lighting. The project is a 50-50 cost share between MoDOT and the City of Carthage. Construction completed in 2021.

**Reference:** Craig Switzer, PE | MoDOT- SW District | (417) 621-6331 | Project Cost: \$1.6M

## CDBG- DR DISASTER RECOVERY: 20TH STREET, RANGE LINE ROAD /I-44 BUS. LOOP TO CONNECTICUT AVENUE ROADWAY/ADA PROJECTS | CITY OF JOPLIN, MO - MODOT SW DISTRICT



The City of Joplin hired AE to administer all CDBG-DR disaster recovery projects in one of four zones in the path of the catastrophic EF5-rated tornado that devastated Joplin. The projects included roadway and intersection realignments, resurfacing and reconstruction of roadways, sidewalks, culverts, and lighting. AE provided all services in-house including surveys, geotechnical investigations, engineering, and construction services including inspection and material testing on asphalt, base rock, subgrade as well as testing concrete approaches for air, slump and compressive strength.

**Reference:** David Hertzberg, PE | Public Works Director | (417) 624-0820 | Project Cost: \$7.4M

## LAMAR ROAD BRIDGE OVER JORDAN BRANCH CREEK | PLATTE COUNTY COMMISSION, MO



AE was selected by Platte County to provide preliminary engineering and construction engineering phase services including material testing for this bridge replacement project on Lamar Road. The scope of work consisted of designing a single-span 82-foot NU35 Prestressed Concrete I Girder Bridge span carrying two lanes and shoulders over Jordan Branch for Platte County, Missouri.

**Reference:** Bob Heim | Platte County Public Works | (816) 858-2223

## J7S3430: I-44 BUS. LOOP/RANGE LINE RD & 15TH ST. | SIGNAL IMPROVEMENTS & STREET EXTENSION | CITY OF JOPLIN, MO - MODOT SW DISTRICT



AE was hired by the City of Joplin to provide intersection improvements, roadway plans to extend 15th Street to Wal-Mart, and traffic analysis at the intersection of Range Line Road and 15th Street in Joplin. The intersection serves Wal-Mart and several major retail stores and has been operating at a level of service of D and posed several safety hazards due to frequent semi-truck off tracking, and little to no access management. Traffic analysis was conducted and included in a MoDOT-Cost Share application, which was awarded funding in September 2019. The project improved the queue, delay, and safety by increasing the turning radius at the northeast and southeast corners of the intersection, added a dedicated right-turn lane for westbound 15th Street to northbound Range Line Road, converted the existing right-turn lane into an additional dedicated through lane, sidewalks and improved access management along both 15th Street and Range Line Road.

**Reference:** Dan Johnson, PE | City of Joplin | (417) 624-0820 | Project Cost: \$900K

## TAP-9900(756), TAP-9900(736), STP-3400(405) MO RTE. 39/BUS LOOP I-44 & HICKORY ST. PED SIGNAL & SIDEWALK/ADA TRANSITION | CITY OF MOUNT VERNON, MO



AE was selected by the City for three phases of this sidewalk, lighting and signalized crosswalk project on Hickory St. , MO Rte Bus. 39 and MO Rte 174 in Mount Vernon. Phase I, was a STP funded project on Hickory St. MO Route 39/Business Loop I-44 south to the Missouri Veterans Home. For Phase II, the project consisted of sidewalk construction including design of new curb and gutter, median improvements, new lighting and a rapid flashing, signalized crosswalk along Hickory Street. AE also successfully supported the City with a TAP funded application and award for Phase III, which included new curb, storm improvements, retaining walls and new sidewalks along MO Bus Rte. 39 and MO Rte. 174 to provide pedestrian access between the schools and downtown square business district.

**Reference:** Max Springer | City Administrator | (417) 466-2122 | Project Cost: 545K

## TAP-9900(749) & TAP 9900 (749) | US ROUTE 54 & PARK STREET NEW SIDEWALK & ADA TRANSITION | CITY OF EL DORADO SPRINGS, MO

AE was selected by the City for two phases of TAP Funded Sidewalk improvement projects on US 54, Park St. and Hospital Rd. in El Dorado Springs. The project included replacing existing sidewalk and adding new sidewalk to provide new safe accessible pedestrian access between the Schools, the business district, and medical services. Phase I, was a TAP funded project from along both sides of US 54. Design included new curb, storm improvements and signalized pedestrian improvements at the intersection of US 54 and Park Street. For Phase II, AE assisted the city in preparing an application for federal funds to complete the project. The application was successful, and TAP funds were awarded. The project consisted of sidewalk construction and storm improvements including new curb and gutter along Park Street and Hospital Road.

**Reference:** Bruce Rogers | City Administrator | (417) 876-7706 | Project cost: \$750K