

EFK♦Moen

Civil Engineering Design

EFK♦Moen, LLC is a Civil Engineering Design Consulting Firm founded in 1998

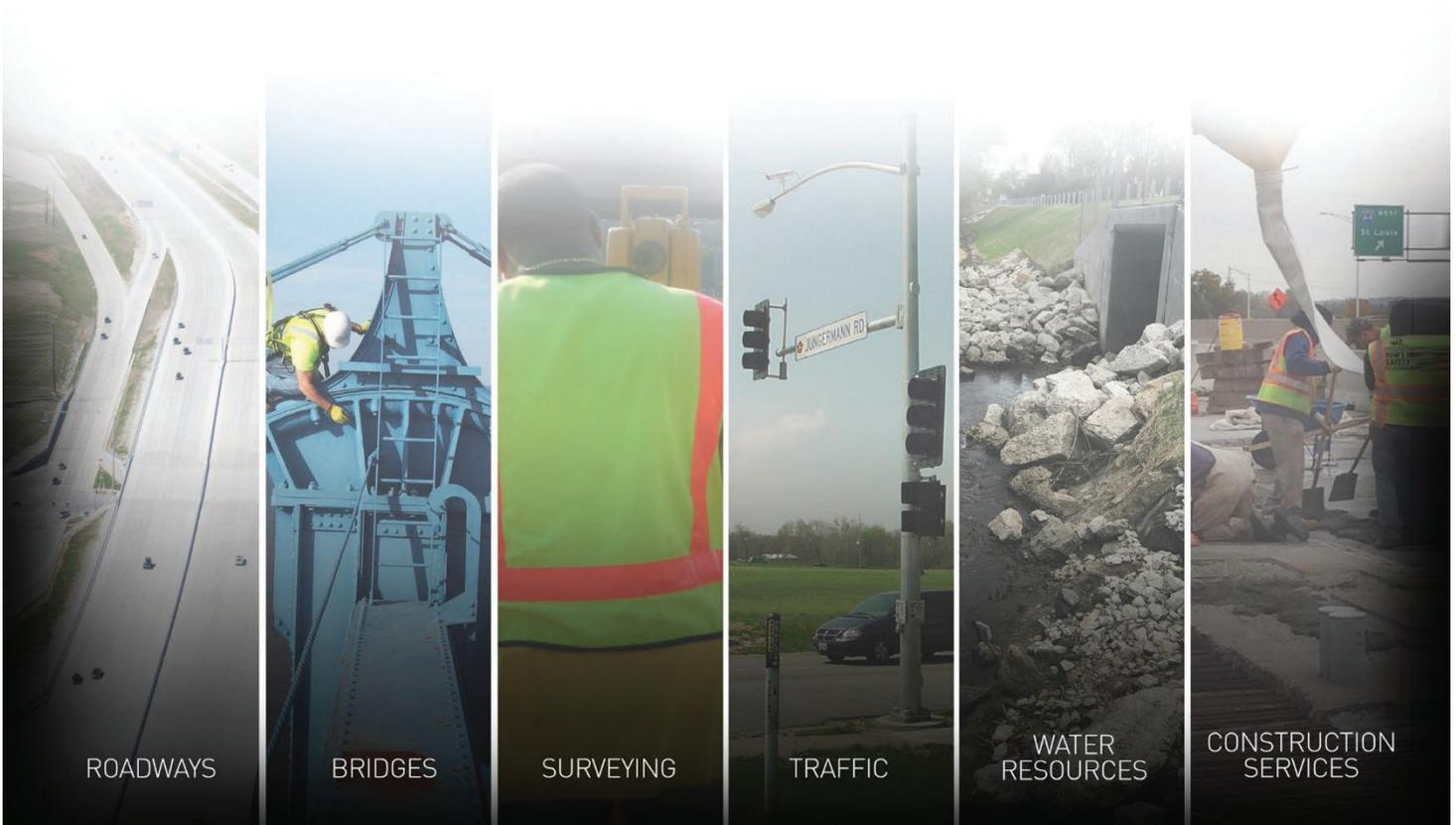
with an emphasis in transportation and bridge engineering and design.

The staff of EFK♦Moen has experience in developing new concepts for roadway and bridge designs from preliminary feasibility studies through final design and construction. Our offices are located in St. Louis, MO; St. Charles, MO; Fairview Heights, IL; Chicago, IL; and Atlanta, GA.

EFK♦Moen's engineers are well respected within the industry and have gained recognition for producing quality design documents. Utilizing the latest technology and diverse experience, we provide innovative and cost-effective designs.

EFK♦Moen's staff of professional engineers has been responsible for many Missouri interstate and marked routes throughout the region.

www.efkmoen.com



ROADWAYS

BRIDGES

SURVEYING

TRAFFIC

WATER
RESOURCES

CONSTRUCTION
SERVICES

EXPERIENCE WITH FEDERAL, STATE & LOCAL GOVERNMENTS

Since EFK♦Moen was formed in 1998 our clientele has primarily been state and local governments. We have extensive experience with MoDOT, federally funded projects, the Local Public Agency (LPA) process, the City of St. Louis Board of Public Service and the St. Louis Metropolitan Sewer District. EFK♦Moen has a good understanding of the most current guidelines and procedures used by federal, state and local governmental agencies, and has several project managers who have earned the Federal Aid/LPA Certification through MoDOT.

SERVICES



Vance Road – St. Louis County

ROADWAY, TRAILS & SIDEWALKS

EFK•Moen's transportation engineering professionals have great depth of experience with all types of roadway/highway design projects.

Our experience includes:

- ◆ Interstates, Highways, Local Roads
- ◆ Roundabouts
- ◆ Interchanges
- ◆ Conceptual/Feasibility Studies
- ◆ Public Involvement
- ◆ ADA Compliant Design
- ◆ Interstate/Highway Signing
- ◆ Construction Staging/Maintenance of Traffic
- ◆ Value Engineering
- ◆ Multi-Use Trails
- ◆ Traffic Calming
- ◆ GIS Technology
- ◆ Grant application and exhibit preparation



Wyncrest Drive over Glaze Creek – St. Louis County

STRUCTURES

EFK•Moen's structural engineering group understands the complexities of bridge, retaining wall and box culverts designs; and is also experienced in maintenance of traffic, construction methods, structure maintenance and inspection, expedited schedules and budget constraints.

We offer services in the following areas:

- ◆ Bridge & Box Culvert Plans
- ◆ Bridge Inspections & Rehabilitations
- ◆ Bridge Hydraulic Studies
- ◆ Bridge Load Rating
- ◆ Seismic Design
- ◆ Sign Truss and Lighting Foundations
- ◆ Retaining Walls
- ◆ Peer Design Review
- ◆ Shop Drawing Review



Eads Bridge – St. Louis County

SURVEYING

Combining the latest technologies with a very experienced group of surveying personnel is what makes EFK•Moen an industry leader producing extremely accurate documentation for our clients.

- ◆ Boundary Surveys
- ◆ ALTA/ACSM Surveys
- ◆ Right of Way and Corridor Surveys
- ◆ Topographic Surveys
- ◆ Aerial Control Surveys for Photogrammetry
- ◆ Construction Staking
- ◆ As-Built Surveys
- ◆ Legal Descriptions/Exhibits/Plats
- ◆ Subdivision Plats
- ◆ Record Research and Compilation
- ◆ Static and Drone Lidar



I-270 and Dougherty Ferry Rd. – St. Louis County

TRAFFIC

EFK•Moen's traffic engineering group provides our clients with traffic demand studies and traffic signal design.

- ◆ Site Traffic Projections
- ◆ ITE Analysis
- ◆ Safety Analysis
- ◆ Intersection Capacity Analysis
- ◆ Traffic Signal Phasing
- ◆ Traffic Signal Design
- ◆ Traffic Studies Reports
- ◆ Maintenance of Construction Traffic
- ◆ SYNCHRO/SimTraffic Software Expertise
- ◆ ADA Compliant Traffic Signal Equipment
- ◆ VISSIM



Bohrer Park - St. Louis County

WATER RESOURCES

EFK•Moen regularly performs the design, modeling and analyses of watersheds, drainage areas, rivers and creeks for both existing conditions and proposed solutions. This includes creek crossings for bridge and culvert replacements, pavement drainage design for roadways and site developments and studies of existing drainage patterns to identify causes and solutions for flooding concerns.

- ◆ Detention Basin Design
- ◆ Water Quality BMP Design
- ◆ Creek Biostabilization
- ◆ FEMA Floodplain/Floodway Studies
- ◆ Stormwater Management
- ◆ 1D and 2D Hydraulic Modeling
- ◆ Stormwater Culvert and Ditch Design



Route A – St. Charles County

CONSTRUCTION SERVICES

EFK•Moen's staff is certified in many aspects of construction documentation, concrete and asphalt testing, soil field testing, stormwater prevention plan monitoring (SWPPP), and erosion control; and our staff has provided construction services on DOT, County, and Municipal projects, with experience in Federal Local Public Agency/Local Road processes and paperwork.

- ◆ Construction Services Documentation
- ◆ SWPPP/Erosion Control Monitoring
- ◆ Concrete-Soil Field Testing
- ◆ Local Road/Local Public Agency Process
- ◆ Construction Services Documentation
- ◆ SWPPP/Erosion Control Monitoring
- ◆ Concrete-Soil Field Testing

EFK•Moen promotes a diverse workforce within the company, and teams with firms that share this same philosophy. EFK•Moen likes to provide opportunities for all parties involved to bring new perspectives to project teams that are as diverse as the locations in which EFK•Moen serves.

KEY STAFF



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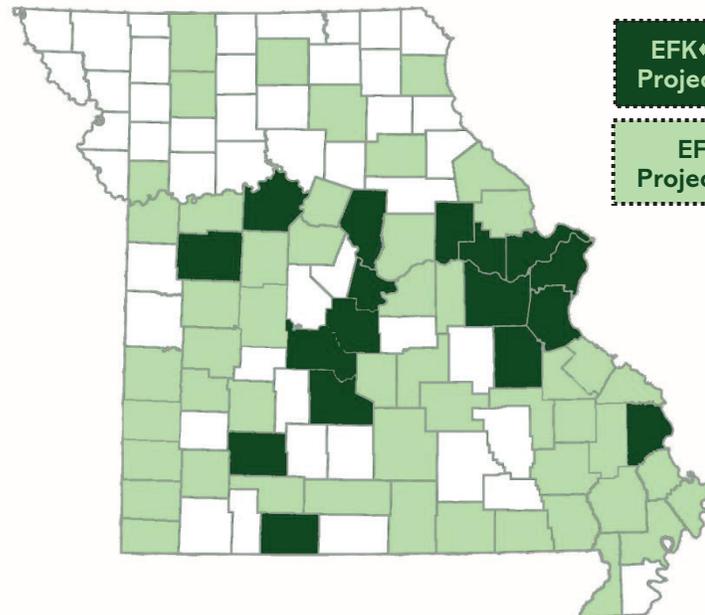
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EFK•Moen Professional Credentials	
Professional Engineers (PE)	29
Professional Surveyors	4
Eng & Surveying Techs	8
Field Crews	5
EIT's	10
Structural Engineers	4
PTOE	2
LEED Accredited	1
Administrative	5

EFK•Moen regularly works on multiple federally funded LPA projects, allowing our project managers and engineers to stay up to date on the latest rules and policies.



LOCAL OFFICES

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ST. CHARLES, MO

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