

EFK♦Moen

Civil Engineering Design

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

with 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 of the new Illinois and Missouri interstate and marked routes throughout the region.

EFK♦Moen's staff of engineers has been responsible for more than 3 billion dollars of highway design.

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

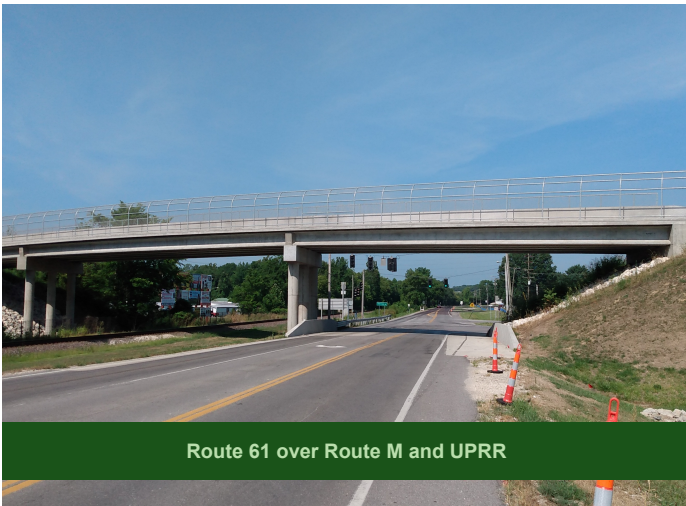


Route 364

ROADWAY

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

- ♦ Interstates
- ♦ Roundabouts
- ♦ Interchanges
- ♦ Conceptual/Feasibility Studies
- ♦ Public Involvement
- ♦ ADA Compliant Design
- ♦ Detention Systems
- ♦ Interstate/Highway Signing
- ♦ Construction Staging/Maintenance of Traffic
- ♦ Value Engineering



Route 61 over Route M and UPRR

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
- ♦ Bridge Hydraulic Studies
- ♦ Bridge Load Rating
- ♦ Seismic Design
- ♦ Sign Truss and Lighting Foundations
- ♦ Retaining Walls
- ♦ Peer Design Review
- ♦ Shop Drawing Review



Eads Bridge

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

SERVICES



I-270 and Dougherty Ferry Rd.

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



Route A

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
- ♦ Local Road/Local Public Agency Process

KEY STAFF

Key Staff

Linda Moen, PE, PTOE
President, Traffic
38 years of experience



PJ Kronlage, PE
Vice President, QA/QC
39 years of experience



Darrell Eilers
Vice President
Business Development
45 years of experience



Chris Linneman, PE, SE
Structures
25 years of experience



Chris Ferrante, PLS
Survey
39 years of experience



Margaret Bruns, PE
Roadway
18 years of experience



John Scheibal, PE
Construction Services
32 years of experience



John Huebbe, PE
Water Resources
19 years of experience



Mark Huebbe, PE
Traffic
20 years of experience



EFK•Moen St. Louis Staff

Professional Engineers	23
Professional Surveyors	5
Eng & Surveying Techs	8
Field Crews	4
EIT's	10
Structural Engineers	6
PTOE	1
LEED Accredited	1
Administrative	5



EFK•Moen is
committed to a
**DIVERSE
WORKFORCE**

EFK•Moen works to provide meaningful minority and women workforce participation.

Our good faith effort/affirmative action plan is updated annually to reflect new and evolving best-practices that help our company promote diversity and inclusion in our workforce and in our business relationships.

EFK•Moen's internal workforce development plan includes recruiting interns with diverse backgrounds to increase the number of locally available and experienced potential employees; and supporting/working within organizations that promote engineering and technical careers in the St. Louis community.

EFK•Moen's external teaming philosophy includes informally mentoring other small woman and minority owned businesses and providing opportunities to team with us on projects that fit their expertise and/or that have opportunities in areas where they would like to expand their capabilities. Our track record is strong in these areas, and we welcome additional strategies that will help our industry improve in this area.

LOCAL OFFICES

ST. LOUIS, MO

13523 Barrett Parkway Dr., Suite 250
St. Louis, MO 63021
314-394-3100

ST. CHARLES, MO

2536 South Old Highway 94, Suite 226
St. Charles, MO 63303
636-244-3747

FAIRVIEW HEIGHTS, IL

16 Executive Drive, Suite 230
Fairview Heights, IL 62208
618-206-4250

EFK•Moen - Providing MoDOT Professional Services Since 1998