

# MORE THAN ENGINEERING. MAKING LIVES BETTER.



At McClure, we're driven to make lives better. We think like owners, contractors, developers, managers, stakeholders, and leaders. Engineering your vision to reality. We help you navigate opportunities like funding and building public support for a project. We are always adding value and imagining what's possible. Our engineering and planning expertise includes aviation, bridge, community development, construction observation, development, environmental, landscape architecture, stormwater, structural, survey, transportation, traffic, water, and wastewater.

Since 1956, McClure has grown to a firm of over 270 professionals in fourteen offices located in Iowa, Missouri, Kansas, Massachusetts, and New Hampshire. The McClure team is comprised of civil engineers, structural engineers, land surveyors, landscape architects, LEED Accredited Professionals, Certified Envision Sustainability Professionals, a Professional Traffic Operations Engineer, and an AICP Certified Planner.

We are committed to providing outstanding project delivery services, personal communication, and innovative and cost-effective design. If you've got a vision, we've got the team to bring it to life. When you choose McClure, you're choosing a partner with an unmatched depth of experience, all the specialists you need, and a passion for building great communities. [It's time to get to work.](#)

**YOUR VISION. ENGINEERED HERE.**

## TRANSPORTATION

# DRIVING GROWTH IN YOUR COMMUNITY.

Most people look at roads as a means to get from Point A to B. McClure considers transportation as a way to make lives better by connecting people. It's not just about concrete and asphalt. A smart and safe transportation system is an economic lifeline for communities, critical in attracting and retaining talent for businesses. So, while we work like engineers in executing your transportation project—we also think like city managers and developers, looking for ways to increase the impact and return on your investment.

We consider public engagement an essential element of our standard of service on every project. This means we actively listen to comments from our clients, the community, and other stakeholders, so we can understand their questions or concerns. You want to see your community grow and thrive. Our engineers and traffic specialists share your vision, connecting people with prosperity.

### WHERE WE MAKE AN IMPACT:

- ADA Compliance
- Asset Management
- Bridge Design and Inspection
- Capital Improvement Plan (CIP) Preparation
- Construction Administration
- Corridor Analysis/Redevelopment
- Geographic Information Systems (GIS)
- Geotechnical Engineering
- Grant Funding Applications
- Institutional Roadway Design
- Intelligent Transportation System (ITS)
- Multimodal Facilities
- Municipal Roadway Design
- Pavement Management
- Pedestrian Trails
- Primary and Non-Primary Highways
- Rail Design
- Right-of-Way Acquisition
- Special Assessment Assistance
- Streetscape and Downtown Revitalization
- Traffic Incident Management Services
- Traffic Operations
- Transportation Planning

## BRIDGE

# KEEPING PEOPLE CONNECTED AND COMMUNITIES THRIVING.

It's more than a county bridge. It's the road to a better economy. A pathway for kids to get to school. A bond that connects people. With more than 60 years of transportation and bridge engineering expertise, our mission is simple: Keep people connected and communities thriving. We inspect, design, and repair a multitude of bridges, including steel and concrete I-beam, prestressed concrete, metal truss, steel, and concrete culverts, metal arch, and concrete arch structures. Finding the right partner can help you find the right funding in times of limited budgets. That's why we think beyond the specs and the structure. Doing everything we can to keep your community more livable and viable.

### WHERE WE MAKE AN IMPACT:

#### *General Bridge Services*

- Coatings and Corrosion Consultation
- Conceptual and Preliminary Design
- Construction Administration and Observation
- Feasibility Studies
- Final Design (ASD, LFD, and LRFD)
- Fracture Critical Bridge Inspection
- Load Rating (ASR, LFR, and LRFR)
- Routine Inspection and Condition Evaluation

#### *Inspection, Design, and Repair*

- Culverts
- Foundations (Spread and Deep)
- Pre-Stressed Concrete

- Reinforced Concrete
- Retaining Walls
- Seismic Design
- Steel (Plate, Girder, and Wide Flange)
- Truss

#### *Support Services*

- Geotechnical Design
- Hydraulics
- Maintenance of Traffic
- Right-of-Way Acquisition
- Roadway
- Safety
- Survey with LiDAR
- Utility

## AVIATION

# HELPING LOCAL ECONOMIES SOAR.

With five licensed pilots on our team, we not only design and build runways. We pilot them too. McClure has been practicing private aviation since Jon McClure began the firm in 1956. You might say aviation is part of our DNA and culture. And this passion gives us a unique insight into the issues facing airports today. With national and international experience, our team understands various local, state, and federal regulations. We partner with the FAA and state agencies to help you find the funding you need (over the past five years we've obtained over \$80M in grants for our clients). And we'll be there throughout the project, making sure you stay up to date on ever-changing regulations. Our experience in real estate development also allows for a more comprehensive approach to airport expansion or renovation, considering its impact on local property values and opportunities for commercial development. Airports are economic engines; effective development and engineering enhance their role in boosting local tourism and business. Local aviation is vital to business and economies, and essential to moving people, products, and services.

### WHERE WE MAKE AN IMPACT:

#### Airport Planning:

- Statewide System Plans
- Master Planning
- Airport Layout Plans
- Capital Improvement Planning
- Airspace Analysis
- Airport GIS System (AGIS/ADIP)
- Pavement Management

#### Environmental:

- Categorical Exclusions (CATEXs)
- Environmental Assessments
- Public Involvement

#### Land Aquisition:

- Exhibit 'A' Property Maps
- Survey, Plats, Legal Descriptions
- Appraisals / Review Appraisals
- Negotiations / Purchase Agreements

#### FAA and DOT Grant Administration:

- Grant Application Writing
- FAA & DOT Grant Funding Reimbursements
- Financial Reporting
- Independent Fee Estimation

#### Civil Airside Design:

- Runways, Taxiways, and Aprons
- Airfield Lighting and Navigational Aids
- Airfield Drainage / Stormwater Design
- Aircraft Hangars, Terminals, Snow Removal Equipment (SRE) Buildings

#### Civil Landside Design:

- Parking Lots & Entrance Roads
- Parking Garages
- Utility Coordination

#### Airport Construction:

- Construction Management and Administration
- On-site Construction Observation
- Construction Staking
- Materials Testing

#### Miscellaneous:

- Aircraft Fueling, Fuel Farms, Self-Service Card Readers
- Solar Photovoltaic (PV) Array Systems (ground mounted and roof mounted)

## SURVEY

# THE FIRST STEP FOR LASTING SUCCESS.

Before land becomes a shopping center, a school, or a roadway, McClure surveyors are there, gathering critical data that becomes the foundation for achieving your vision.

Our team uses a high-tech approach to surveying. Using state-of-the-art surveying and remote sensing technology, we conduct a wide variety of construction, design, and pipeline surveying projects for clients of all sizes. Not just land surveys, but drone surveys and bathymetric surveys too. We analyze the data and deliver it in traditional, plan-view survey drawings, complex BIM models, and renderings. Even drone animations and time-lapse videos of construction sites. The information you receive at the start informs every decision you make along the way. Trust McClure for surveying expertise that ensures the safety and success of your project.

### WHERE WE MAKE AN IMPACT:

- 3D High-Definition Scanning (HDS) Surveys
- ALTA/ACSM Land Title Surveys
- Bathymetric Surveys
- BIM Modeling
- Boundary Surveys
- Construction Staking
- Drone (Unmanned Aerial Vehicle or UAV) Surveys: Imaging, Videography, and Photogrammetry
- Renewable Energy Development Surveying Support Services Forensic Scanning
- Legal Surveys—Easements, Acquisitions, Boundary Retracements, Platting
- Route, Alignment Design, and Plan Preparation
  - » Preliminary, Routing, Staking, and As-Built
  - » Oil, Gas, and Products Pipelines
  - » Electric Transmission
- Topographic Surveys

# STRUCTURAL

## HELPING BUILDINGS STAND TALL AND STAND OUT.

You want to make buildings that make an impact. We can bring your ideas to life. At McClure, we think beyond concrete and steel, creating innovative structures that wow with design. And functionality. We restore buildings to their former glory. And adapt historical buildings to a modern world.

You can rely on us for speed and responsiveness when fast action is critical to the success of your project. And you'll appreciate our ability to anticipate problems before they occur. We think like owners, partners, and entrepreneurs, always looking for better ways to make your vision even better. You want to create livable spaces where memories are made—or kept alive. Let's build on those ideas together.

### WHERE WE MAKE AN IMPACT:

- Licensed in 49 States plus D.C.
- Engineer of Record Architectural Services
- Full Building Systems Designed with Cold-Formed Steel (CFS)
- Complex CFS Framing with Radiused Surfaces
- Reinforced Concrete including Precast and Prestressed
- Storm Shelters and Hardened Structures
- Specially Designed CFS Roof and Floor Open Web Trusses
- Non-Bearing CFS Cladding and Wall Systems
- Historic Rehab and Repurposing
- Blast and Progressive Collapse Resistant Structures (D.O.D.)
- Industrial and Manufacturing Structural Services
- Value Engineering Solutions including Design-Build Experience
- Special Analysis – Vibration, Instrumentation, Testing, High Seismic, etc.
- Structural Evaluations, Insurance, and Property Assessments
- Peer Reviews and Expert Witness
- Modular and Prefabrication Design
- Building Information Modeling (BIM)
- Apartments and Condos
- Banks
- Dealerships
- Government
- Fast Food and Restaurants
- Hotels
- Retail

## OFFICE LOCATIONS

### IOWA

**ANKENY (HEADQUARTERS)**  
1535 SW Market Street, Suite 200  
Ankeny, Iowa 50023  
P 515.512.1361

### CARROLL

623 North Carroll Street  
Carroll, Iowa 51401  
P 712.220.8121

### CEDAR RAPIDS

615 5th Street  
Cedar Rapids, Iowa 52401  
P 319.626.9090

### CLIVE

1360 NW 121st Street  
Clive, Iowa 50325  
P 515.964.1229

### CORALVILLE

2229 E Grantview Lane  
Coralville, Iowa 52241  
P 319.626.9090

### COUNCIL BLUFFS

3418 W Broadway  
Council Bluffs, Iowa 51501  
P 712.454.7691

### FORT DODGE

705 First Avenue North  
Fort Dodge, Iowa 50501  
P 515.576.7155

### SIOUX CITY

613 Pearl Street  
Sioux City, Iowa 51101  
P 712.224.4613

### MISSOURI

**COLUMBIA**  
1901 Pennsylvania Drive  
Columbia, Missouri 65202  
P 573.814.1568

### MACON

107 Butler Street  
Macon, Missouri 63552  
P 660.385.6441

### NORTH KANSAS CITY

1700 Swift Street, Suite 100  
North Kansas City, Missouri 64116  
P 816.756.0444

### KANSAS

**LENEXA**  
11031 Strang Line Road  
Lenexa, Kansas 66215  
P 913.888.7800

### NEW HAMPSHIRE

**PORTSMOUTH**  
25 New Hampshire Avenue,  
Suite 255  
Portsmouth, NH 03801  
P 603.346.4388

### MASSACHUSETTS

**BOSTON**  
225 Friend Street, Suite 805  
Boston, MA 02114  
P 617.466.6765