

## OUR FIRM

Established in 1944, Lochner is a client-focused, performance-driven and community-minded engineering firm with 48 offices nationwide. We are listed among ENR's top 500 firms, and have a rich history as an innovator in transportation and infrastructure. Lochner employs more than 1,200 civil and structural engineers, urban planners, environmental scientists, design technicians, constructional personnel, and support professionals. Our talented team of specialists includes some of the most respected experts in the industry.

## OUR PEOPLE

Our civil and structural engineers, planners, environmental specialists, and inspectors bring the state-of-the-art expertise and skills to deliver the valuable services our clients need.

## OUR OFFICES

Headquartered in Chicago, Lochner has 48 offices located across the nation. Our Missouri clients are served from our Kansas City Metro office.



## OUR COMMITMENT TO OUR CLIENTS

At Lochner, we offer more than just design, planning, construction and inspection services—we become a partner in achieving goals. Working with our team, our clients receive discerning attention to the details that matter most. We work consistently to provide professional services and technical solutions to meet project needs, on schedule and within budget.

## OUR SERVICES

Our professionals bring creative, cost-effective solutions to our public and private sector clients through every phase of a project—from planning and design to construction and inspection services. Our professional services include:

- Highway & Roadway Design
- Construction Management & CEI
- Bridge Design & Inspection
- ITS Management, Design, & Operations
- Airport Planning & Design
- Planning & Environmental Studies
- Rail & Transit
- Multi-Modal Planning & Design
- Hydraulics & Drainage Design
- Public-Private Partnership (P3) Services
- Design-Build Services
- Public Involvement
- Utility Coordination & Relocation
- Traffic Engineering & Transportation
- Water & Wastewater

## CONSTRUCTION MANAGEMENT & CEI SERVICES

Lochner offers highly qualified construction experts in contract administration, traffic maintenance, safety and construction engineering and inspection troubleshooting. As our clients' lead representative on the project site, we know that it is our job to ensure approved design satisfaction and the availability of solid field engineering to contractors and construction crews throughout the building process.

**"I want to thank you for taking care of this for us. I have dealt with many engineers on many projects and those that take care of the reimbursements and things are wonderful. It takes so much off my plate and I don't worry about any of it. So thank you for all of your assistance with this. It's been a pleasure working with you."**

*- Jackie Pangborn, City Administrator, Monroe City, MO*



## HIGHWAY & ROADWAY DESIGN

Highway and roadway design—and the planning and construction administration of these projects—make up the backbone of Lochner. As a firm, Lochner has developed the original expressway and bypass plans for more than 30 major cities in the United States. Today, Lochner continues as a well-respected innovator on roadway projects.

**"Having worked on projects that involve Lochner's Right-of-Way and Environmental Assessments work, they have performed with the utmost professionalism and integrity while successfully bringing projects to completion."**

*- Bart Bryant, Chief District Engineer, Kentucky Department of Highway*



## BRIDGE DESIGN & INSPECTION

Lochner's nationally integrated staff includes engineers and specialists who offer top-notch structural design expertise, from simple to complex structures, including extensive experience on mega-projects. Our proactive approach, responsiveness to the needs of our clients, and construction engineering experience allow us to bring value-added elements to our projects. Lochner provides innovative design solutions utilizing new construction techniques, materials and delivery methods to develop efficient, cost effective structural designs. With experience providing services for state and municipal government agencies, railroads, contractors and private developers.

**"Lochner has been a consultant for the City of Independence for many years. The City has always been pleased with the quality of services and professionalism received from Lochner and their team."**

*- Mike Conway, City Engineer, Independence, KS*

# TECHNOLOGY

Lochner leverages advanced technologies and proven methodologies to optimize efficiency, safety, and decision-making across every phase of infrastructure projects—from planning and design to operations and maintenance. Our expertise spans asset management, communication systems, drone technology, electrical and control systems, ITS, and 3D visualizations. From capturing and analyzing asset data to deploying intelligent transportation solutions and leveraging aerial and digital tools, we help clients reduce costs, extend asset life, and ensure reliability—delivering smarter, future-ready infrastructure.



## PLANNING & ENVIRONMENTAL STUDIES

Lochner covers the entire planning and environmental spectrum, from long-range planning to concept plans, feasibility studies, as well as National Environmental Policy Act (NEPA) compliance and support for post-NEPA activities during final design and beyond.

## AVIATION ENGINEERING, PLANNING, ENVIRONMENTAL, & CONSTRUCTION

Lochner's knowledgeable aviation staff has a full understanding of airport functions and operations. We have the ability to phase projects and construction services with minimal impact to day-to-day operations. Our work in aviation spans over 40 years. We hold engineering and planning experience covering more than 1,000 projects involving nearly every aspect of airport development, including general aviation, basic transport, reliever, commuter, small air carrier and major hubs.

**"While their technical skills are evident, what sets Lochner designers apart is their commitment to do the right thing for the department, the environment and the public."**

- Rob Wight, Utah Department of Transportation



Below is a specified breakdown list of each subcategory of services and expertise that Lochner offers.

## HIGHWAY & ROADWAY DESIGN

- Design studies
- Context sensitive approach
- Traffic modeling & forecasting
- Traffic signal design
- Design-build services
- Innovative design & technology
- Environmental analysis & documentation
- Public & agency involvement programs
- Alternative analysis
- Multi-phased maintenance of traffic plans
- Construction plans
- Street & pedestrian lighting
- Right-of-way acquisition services
- Trails & Sidewalks

## AVIATION ENGINEERING, PLANNING, ENVIRONMENTAL, & CONSTRUCTION

- Airport master plans/layout plans
- Airport design
- Construction services
- Environmental services
- Land acquisition
- Fuel facilities
- Maintenance vehicle acquisition
- Navigational aid design
- Hangars & administrative facilities
- Wildlife assessments
- Municipal, state, federal coordination & funding compliance
- Pavement management/maintenance plans
- Landside design

## TECHNOLOGY

- Asset management
- Communication systems
- Drone technology
- Electrical/instrumentation & control systems
- Intelligent Transportation Systems (ITS)
- Visualizations

## PLANNING & ENVIRONMENTAL STUDIES

- Community planning
- Public involvement
- Natural systems analysis
- Physical impact analysis
- Human environment analysis
- Database management & documentation preparation
- Development of permit applications
- Context sensitive solutions & design
- NEPA documentation for FHWA, FTA, & FRA
- Program management & oversight
- Rail planning
- Sustainability

## BRIDGE DESIGN & INSPECTION

- New, rehabilitated & widened highway, railroad & pedestrian bridges, with complex geometry & staging
- Superstructures (steel box & I-girders, steel & concrete arches & prestressed concrete girders)
- Substructures (cantilever & integral abutments, hammerhead & multi-column piers)
- Temporary construction works (shoring, support of excavation & cofferdams)
- Foundations (spread footings, piles & drilled shafts)
- Retaining walls & noise walls
- Culverts & pedestrian underpasses
- Seismic analysis & design
- Accelerated bridge construction techniques
- Load rating of existing bridges
- Overhead sign & signal support structures
- On-call & emergency structural support services
- Routine & special bridge inspections

## CONSTRUCTION MANAGEMENT & CEI SERVICES

- Quality assurance & quality control
- Field inspection & engineering
- Safety, Equal Employment Opportunity (EEO) & Disadvantaged Business Enterprise (DBE) compliance
- Claims analysis
- Materials testing & inspection