Our Firm
Established in 1944, Lochner is an employee owned and operated engineering firm with 32 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 approximately 530 civil and structural engineers, urban planners, environmental scientists, design technicians 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 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
- Rail & Transit
- Construction Management & CEI
- Airport Planning & Design
- Multi-Modal Planning & Design
- Hydraulics & Drainage Design
- Public-Private Partnership (P3) Services
- Design-Build Services
- Public Involvement
- Context Sensitive Solutions
- Planning & Environmental Studies
- Brownfields Services
- Utility Coordination & Relocation
- Traffic Engineering & Transportation Planning
- Parks & Recreation Planning & Design
- Electrical Design
- Federal Services
- Municipal Services
Highway and 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 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.

Our highway and roadway services include:

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

*“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 of Kentucky Department of Highway Nine District

Construction Management and 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.

Construction management and CEI services include:

- Quality assurance and quality control
- Field inspection and engineering
- Safety, Equal Employment Opportunity (EEO) and Disadvantaged Business Enterprise (DBE) compliance
- Claims avoidance
- Materials testing and inspection
- Horizontal directional drilling
Bridge Design Services

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’s structural design services include:

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

Bridge Inspection Services

As a leading provider of bridge inspection services, Lochner offers a full range of inspection capabilities and significant field experience. Lochner currently staffs inspection team leaders and program managers in accordance with National Bridge Inspection Standards (NBIS) certification criteria. Bridge inspection expertise includes:

- Structural inspections of fixed and movable bridges, overhead signs, high-mast light poles and traffic signal mast arms
- Routine NBIS safety inspections
- Fracture critical member inspections
- Post-tensioned box girder inspections
- Special feature/damage inspections
- Major river bridge inspections
- Element level (PONTIS) inspections
- Non-destructive testing
- Special gusset inspections
- Load rating analysis
- Bridge scour evaluations and analysis

"Lochner skillfully develops strong working relationships with project stakeholders including cities and UDOT, which ensures that projects move forward efficiently and hurdles are overcome effectively."

- Shane Marshall, Utah Department of Transportation
Planning and 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.

Lochner’s planning and environmental studies expertise includes:

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

Aviation Engineering, Planning, Environmental and 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 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.

Lochner provides our clients the following aviation services.

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

"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, PE, Utah Department of Transportation

"Lochner did a great job on the complex, multi-phased Kerrville Airport parallel taxiway relocation project."
- Harry Lorton, TxDOT