About Us

Established in 1959, Cochran is an architectural, civil engineering, materials testing, construction inspection, geotechnical, environmental, and surveying firm that excels at complex projects and solving challenges for our clients. The firm is not only defined by 60 years of engineering and surveying experience, but several years of construction project bidding, project management, and construction personnel and equipment scheduling. We provide construction management/administration, professional engineering, surveying, architectural, and construction materials testing services to public, municipal, government, and private clients throughout the Midwest.

We provide all services in-house and are dedicated to building long-lasting relationships with our clients. Our experienced and skilled team of professionals understands each client and project has a unique set of needs and constraints. Therefore, we evaluate existing conditions, recommend practical solutions, and anticipate design/construction conflicts, cost concerns, and present alternatives based on expert architectural and engineering judgment.

Customer Service Philosophy - We believe teamwork, excellence, quality and trust are the four necessary components to providing outstanding customer service for our clients. The combination of our commitment to these fundamental beliefs, our strong work ethic and track record to meet or beat schedule deadlines has resulted in a 95% return clientele.

Core Competencies

- Civil Engineering and Site Design
- Municipal Engineering
- Roadway and Structural Design
- Surveying (including utility location & mapping)
- Construction Administration & Observation
- Sanitary Sewer Collection Systems
- Storm water - Conveyance Systems, Drainage, & Storm Water Management
- Geotechnical Engineering
- Construction Inspection & Material Testing
- Architectural Services
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<th>Creative</th>
<th>Collaborative</th>
<th>Entrepreneurial</th>
<th>Dedicated</th>
<th>Dependable</th>
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<td>We use our expertise and experience to find unique and innovative solutions that create value (low cost of ownership) for our clients.</td>
<td>We work as a team to use our collective talents for the betterment of our clients.</td>
<td>Each employee takes the initiative necessary to assure that we serve the customer in a way that creates value.</td>
<td>We believe in building strong relationships with our clients. Knowing our clients personally allows us to provide better service.</td>
<td>We are committed to do what it takes to deliver on schedule.</td>
<td>We fully embrace the need to communicate and respond quickly and effectively to our clients.</td>
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**Our People**

Our staff of over 75 professionals is managed by the following Leadership Team:

**Chris Boone, P.E.**  
*President*

**Kurt Daniels, P.E.**  
*Vice President*

**David Christensen, P.E.**  
*Vice President*

**Shannon Johanning, P.E.**  
*Vice President*

**Richard Tuttle P.E.**  
*Vice President*

Our commitment to our clients includes principal involvement in all phases of each project. Cochran’s five principals take personal and professional responsibility for the success of all projects by giving the individual attention each project deserves. They guide the firm in focusing on core values which include the highest of quality and the best creative effort to all design, collaboration and communication with our clients, and ethical/respectful teamwork with everyone.

**Professional Staff**

- Engineers 17
- Architects 3
- E.I.T.’s 5
- Engineering Technicians 15
- Construction Testing 14
- Geotechnical 2
- P.L.S.’s 4
- L.S.I.T.’s 2
- Survey Crew 10
- Administration 8

**Workforce Diversity**

In addition to diversity among our Cochran team, we make the commitment to increasing our diverse project partnerships. Cochran is working proactively to develop and maintain strong relationships with diverse contractors across the country. Our objective is to develop a diverse and inclusive team on all project that will perform the highest quality of work in a timely fashion for our clients.

**Sustainability**

**Sustainable design** seeks to reduce negative impacts on the environment, and the health and comfort of the human component, thereby improving overall performance. We understand the basic objectives of sustainable design are to reduce consumption of non-renewable resources, minimize waste, and create healthy, productive environments.

Cochran approaches every project with sustainability in mind. In order to be successful in meeting a client’s goals for sustainability, it is important to establish and understand the sustainability goals from the onset of the project. Once we understand the target, our team begins by focusing on opportunities to make an immediate impact by addressing energy efficiency, material selection and sourcing, water conservation, durability and many other environmental issues.
SITE DEVELOPMENT & ROADWAY DESIGN

Cochran specializes in providing full service site development and civil engineering services needed to develop a multitude of projects to include commercial, residential, and roadway infrastructure improvements. Our one-stop-shop approach has helped hundreds of clients from planning through successful construction. In addition, our extensive knowledge of land surveying, geotechnical, site grading design, trail and sidewalk design, parking lot design, preliminary site planning, water system design and structural design components allow us to provide services to accommodate road projects of any size.

We have a uniquely qualified team of engineers, land surveyors, designers, inspectors, and administrative personnel, who possess the technical knowledge to perform the services listed below. In addition, we provide a "customer service" attitude for all projects, communities, and clients.

Our Services Include:

- Capital Improvements Programming, Coordination and Implementation
- Concrete Pavements
- Full Depth and Asphalt Overlay Projects
- Microsurfacing Projects
- Road and Bridge Design
- Federal Funding Assistance
- CDBG Funding Assistance
- Civil Engineering and Design
- Geotechnical Engineering
- Preventive Pavement Management Plans
- Storm Sewer Design
- Geographic Information Systems (GIS)
- Public Presentations and Meetings
- Engineering Review
- Surveying/Mapping
- Construction Administration, Testing and Inspection

LAND SURVEYING

We specialize in all facets of land surveying and data collection. Our land surveying department is an integral component of our firm. This department functions as both an autonomous group and as a support service to our engineering services. Our in-house land surveying equipment and technology provide quick and accurate data for cost-effective and successful projects.

The value of accurate and comprehensive land surveys cannot be overestimated. Numerous public agencies, utilities, land developers, engineers, architects, and others make constant use of our state-of-the-art professional land surveying services. Types of land surveying services we provide include:

- Design Surveys (horizontal/vertical control, cross sections, profiles, property corners)
- Topographical Surveys
- Property Boundary Surveys
- Right-Of-Way Surveys
- ALTA/NSPS Land Title Survey
- Subdivision Surveys/Platting
- Easement Survey/Exhibits
- Construction Surveys/Layout/Staking
- Property Research and Ownership Information
- As-Built Surveys
- Horizontal and Vertical Control Surveys
- Utility Surveys
- FEMA Elevation Certificates
- Floodway Surveys
- Missouri East 1983 State Plane Coordinate Surveys
- North America Vertical Datum 1988 Surveys
- Professional and Expert Witness Services

All field data, drawings, notes, etc. are certified by a Professional Land Surveyor, registered and licensed in the State of Missouri. Drawings are AutoCAD 2012 compatible, and all data collection points are recorded in an ASCII format.
CONSTRUCTION MATERIALS TESTING & INSPECTION

Cochran's technicians are highly trained in conducting field testing and inspections to ensure project specifications are being met. Our technicians are MoDOT, NICET certified and have ACI Registrations to provide all facets of pavement, concrete, soils, and bridge construction quality control.

AASHTO Certified Lab - Cochran also maintains a soils mechanics laboratory equipped with modern testing instrumentation. Tests are conducted in accordance with applicable ASTM procedures. We conduct field inspection/testing and lab analysis/testing services to ensure that project specifications are met. Services include:

Lab:
• Sieve Analysis
• Asphalt Core Density
• Asphalt Lab Testing
• Soil Testing
• Atterberg Limits
• Standard and Modified Proctor
• Aggregate Analysis
• Concrete Compression Testing

Field:
• Pavement Coring
• Nuclear Density Compaction Testing
  – Asphalt, Soil, and Rock
• Asphalt Placement Quality Control
• Portland Cement Concrete Quality Control – Cylinders, Slump, and Air Testing
• Foundation Construction
• Structural Masonry Quality Control

STORM SEWER DESIGN

Storm water runoff on any drainage area is a function of climate and the physical characteristics of the area. Factors that may be pertinent in precipitation-runoff relationships include precipitation type, rainfall intensity, duration, and distribution; initial soil moisture conditions; soil type; evaporation; transpiration; and the size, shape, slope, elevation, directional orientation, and land-use characteristics of the drainage area.

Our experts at Cochran Engineering have studied, evaluated and designed solutions for storm water issues on every level, from major developments to individual facilities. Our experts have performed storm water engineering services for municipalities, which have included immediate and long-term planning solutions. We have extensive experience with regulatory agencies, specifically the acquisition of permits and approvals. Services provided include:

• Hydraulic Analysis Drainage systems
• Swales and Drainage Channels
• Design of Retention and Detention Basins
• Erosion Control Assessments and Facilities
• Drainage System Evaluations and Studies

• Hydrologic Computer Modeling and Calculations
• Evaluation of Hydraulic Structure Capacities
• Preparation of Site Maps
• Urban Runoff Collection and Management
• Water Quality Analysis and Mitigation