Cochran History and Introduction

About Us

Established in 1954, **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 Design
- Municipal Engineering
- Construction Administration & Observation
- Sanitary Sewer Collection Systems
- Storm water - Conveyance Systems, Drainage, & Storm Water Management
- Roadway and Structural Design
- Geotechnical Engineering
- Surveying (including utility location & mapping)
- Construction Inspection & Testing
- Architectural Services

Locations

Wentzville
8 East Main
Wentzville, Missouri
63385
Phone: 636.332.4574
Fax: 636.327.0760

Union
530A East
Independence Drive
Union, Missouri
63084
Phone: 636.584.0540
Fax: 636.584.0512

Camdenton
44 Camden Court SE
Camdenton, Missouri
65020
Phone: 573.525.0299

Saint Louis
737 Rudder Road
Fenton, Missouri
63026
Phone: 314.842.4033
Fax: 314.842.4033

Services for Missouri's Local Program (LPA) will be provided by our Wentzville office.

Our Values					
Creative	**Collaborative**	**Entrepreneurial**	**Dedicated**	**Dependable**	**Responsive**
We use our expertise and experience to find unique and innovative solutions that create value (low cost of ownership) for our clients.	We work as a team to use our collective talents for the betterment of our clients.	Each employee takes the initiative necessary to assure that we serve the customer in a way that creates value.	We believe in building strong relationships with our clients. Knowing our clients personally allows us to provide better service.	We are committed to do what it takes to deliver on schedule.	We fully embrace the need to communicate and respond quickly and effectively to our clients.

Our People

Our staff of over 60 professionals is managed by the following Leadership Team:

Chris Boone, P.E
President

David Christensen, P.E.
Vice President

Shannon Johanning, P.E.
Vice President

Kurt Daniels, P.E.
Vice President

Professional Staff

Engineers -	13
Architects -	3
E.I.T.'s -	5
Engineering Technicians -	10
Construction Testing -	14
Geotechnical -	2
P.L.S.'s -	4
L.S.I.T's -	2
Survey Crew -	10
Total	63+

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.

Credentials and Insurance

Cochran carries the following Professional Liability Insurance:

$3,000,000 aggregate $2,000,000 per occurrence

"After completing a number of complex projects with Cochran over the last several years, I can honestly say that there is no better firm that can serve my company's interests. No matter the complexity of any given problem, Cochran understands what it takes to get things done on time and most importantly, on budget."

Thomas K. Walter

SITE DEVELOPMENT & ROADWAY DESIGN

Cochran provides all civil engineering services needed to develop roadway infrastructure improvements for a project. Our one-stop-shop approach has helped hundreds of clients from planning through successful construction. In addition, our extensive knowledge of preventive pavement maintenance, rehabilitation techniques, complete reconstruction, pavement widening, safety enhancement, etc. 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 to the elected officials, community and in-house staff.

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 SERVICES

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/ACSM 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 TESTING SERVICES:

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. Our technicians are MoDOT certified and have ACI Registrations to provide all facets of pavement and bridge construction quality control. 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