



# Where Quality and Integrity Meet!



## FIRM INFORMATION

M Engineering Inc., DBA Cochran

## OFFICE LOCATIONS

St. Louis – Union – Wentzville  
Farmington –Osage Beach -  
Ozark

## SERVICES

Civil Engineering	Site Analysis
Architecture	Master Planning
Interior Design	Sustainable Design
Survey	GIS/Mapping
Waste Water	Needs Assessment
Drinking Water	Feasibility Studies
Transportation	Grant Funding
Geotechnical	Needs Assessment
Environmental	Market Analysis
Cost Estimating	Energy Analysis
BIM	LEED Certification
Construction Quality Management	
Construction Testing & Inspections	
Construction Administration	

## STAFFING

Engineers	25
Architects	3
E.I.T.'s	6
Engineering Technicians	13
Construction Testing	14
Geotechnical	2
P.L.S.'s	4
L.S.I.T's	2
Survey Crew	10
Administration	8

## CONTACT US

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## OUR HISTORY

Established in 1959, **Cochran** is an architectural, civil engineering, materials testing, construction & quality inspection, geotechnical, environmental, and surveying firm that excels at complex projects and solving challenges for our clients.

We provide construction management/administration, professional engineering, surveying, architectural, and construction materials testing services to **public, municipal, government, and private clients throughout the state of Missouri with and without federal funding.**

We **provide all consulting 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.

## OUR PEOPLE

Our staff of over 85+ professionals is managed by the following Leadership Team:

**Kurtis J. Daniels, P.E.**

**Chris Boone, P.E**

**Shannon Johanning, P.E.**

**David Christensen, P.E.**

Our commitment to our clients includes principal involvement in all phases of each project. Cochran's four principals take personal and professional responsibility on the success of all projects by giving individual attention each project deserves. In addition, 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 and respectful teamwork with everyone.

## 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.

Cochran approaches every project with sustainability in mind. Our team focuses on immediate impact opportunities by addressing energy efficiency, material selection, sourcing, low impact design, water conservation, durability and other environmental issues.





*"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**



## ENVIRONMENTAL - STORMWATER



Our Services Include:

- Hydraulic Analysis of Drainage systems
- Closed Conduit Systems
- Design of Storm Water Retention and Detention Basins
- Erosion Control Assessments, SWPPP Designs & Systems and Facilities
- Drainage System Evaluations and Studies
- Hydrologic Computer Modeling & Calculations
- Evaluation of Hydraulic Structure Capacities
- Preparation of Drainage Maps & Systems
- Urban Runoff Collection and Management & Permitting
- Water Quality Analysis, Mitigation & Design
- Lake & Dam Design & Permitting
- Watershed Planning & Mitigation Assessments

Cochran engineers have studied, evaluated and designed solutions for storm water issues on every level, from major developments to individual facilities. Our team has 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.

Storm water runoff of 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.

## GEOTECHNICAL ENGINEERING

Experience and a commitment to quality are the key components of our geotechnical and environmental team. Managed by a professional engineers with more than 25 years of experience; our fully equipped soils mechanics laboratory is equipped with modern testing instruments. All testing is conducted in accordance with ASTM procedures to ensure quality results.

Our Services Include:

- Foundation design & material evaluation
- Consolidation & immediate settlement calculations for different soil
- Slope stability analysis
- Concrete & asphalt pavement evaluation
- Soil improvement & stabilization recommendations
- Geotechnical sampling & logging
- Bearing surface observations, shallow foundations, piers & piles



## SITE/CIVIL ENGINEERING

Our Services Include:

- Site Selection and Due Diligence Services
- Site Redevelopment
- Land Surveying Services
- Land and Master Planning
- Preliminary Cost Analysis and Value Engineering
- Zoning and Entitlement Process
- TIFF/CID/TDD Process
- Site and Civil Engineering
- Permits and Approvals
- Construction Administrative Services
- Transportation Engineering
- Water Resource management
- Low Impact
- ADA compliance

Cochran understands the importance of creative and cost effective civil engineering and planning, for the overall success of your project. Rich in experience, our team of professionals have the diverse capabilities and in-depth knowledge to guide your project from site conception, budgeting, programming and construction completion.

Cochran's experience in site development includes a wide variety of applications, ranging from single lot commercial buildings to large-scale industrial complexes. We also conduct site specific evaluations related to grading, drainage, access, and issues. Our extensive knowledge of zoning, utility issues and environmental regulations contribute to a comprehensive suite of services with the flexibility to accommodate projects of any size.

## 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, and ACI certified to provide testing at each stage of pavement and bridge construction.

Our company and laboratory are accredited per **AASHTO** and **CCRL** guidelines. In addition to field services, our accredited laboratory provides a wide range of soil, asphalt, and concrete testing to ensure all materials used meet project specifications. We specialize in testing and inspection of: asphalt pavement placement, pavement coring, foundation construction, reinforced concrete construction, structural masonry construction, and special inspections meeting IBC.

Our Lab Services Include:

- Sieve Analysis
- Asphalt Core Density
- Asphalt Lab Testing
- Swell and CBR
- Atterberg Limits
- Standard and Modified Proctor
- Aggregate Analysis
- Concrete Compression and Flexural Testing
- Shear Strengths
- Unconfined Compressive Strength of Soils

Our Field Services Include:

- Slump and Air Testing
- Foundation Construction Observation
- Structural Masonry Quality Control
- Reinforced Steel Inspection



### Headquarters

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Union, Missouri 63084  
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### Saint Louis

737 Rudder Road  
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### Lake of the Ozarks

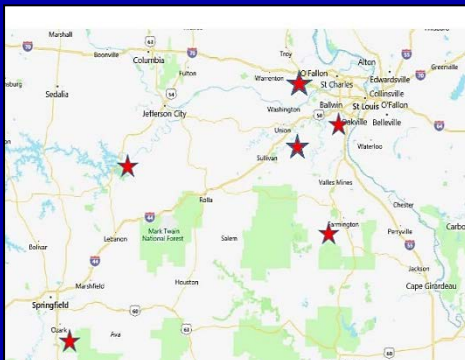
905 Executive Drive  
Osage Beach, Missouri 65065  
Phone: 573.525.0299

### Southeast Missouri

534 Maple Valley Drive  
Farmington, Missouri 63640  
Phone: 573.315.4810

### Ozark Missouri

2804 N. Biagio Street  
Ozark, Missouri 65721  
Phone: 417 595 4108



## ARCHITECTURAL/INTERIOR DESIGN

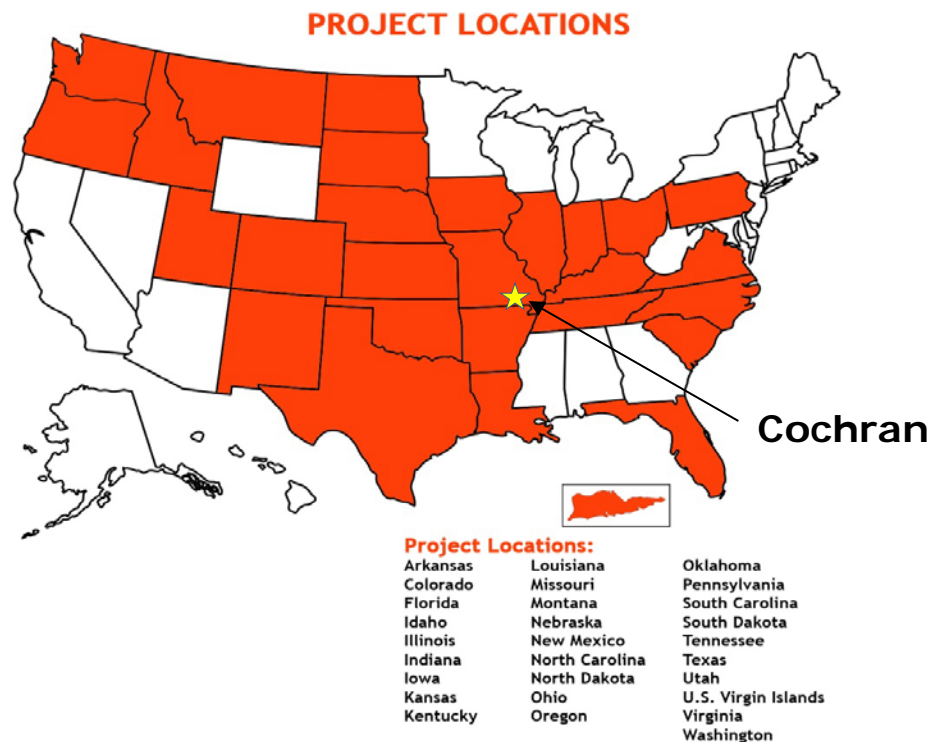
Cochran has been providing quality, full architectural services since 1959. Our approach quite simply is client-focused and design-driven. The success of this approach is rooted in our ability to listen and understand the client's project objectives and to transform those goals into tangible solutions. Our reputation for delivering projects on-budget and on-time has been built on our track-record for honoring our commitments. However, the best testimonial to our performance is our list of clients who have returned time-and-time again to Cochran for their architectural needs.

### Our Services Include:

- Architectural Design
- Sustainable Design / LEED-Certified Projects
- Landscape Architecture
- Interior Design
- Space Planning & Tenant Build-outs
- Move Management
- Revit, BIM & 3-D Rendering
- Historical Restoration

## STATE LICENSES HELD BY COCHRAN

Cochran is registered and performs work in over 28 states.



## 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 our projects that will perform the highest quality work in a timely fashion for our clients.

