



Missouri's Local Program 2026-2029 On-Call Solicitation



COVER SHEET

(This must accompany your firm's letter of interest and does not count in the page limit)

Firm's Full Legal Name: M Engineering, LLC, dba Cochran

Firm Contact Name: Kurtis J. Daniels, PE

Contact Email Address: kurt@cochraneng.com

Firm's Mailing Address: 8 East Main Street
Wentzville, MO 63385

Work Category:

- Roadway Design
- Trails & Sidewalks
- Construction Inspection
- Traffic Engineering & TEAP
- Structures
- Environmental
- Historic Preservation
- Multimodal Planning / Systems and Facilities Design
- Transportation Planning – **NEW CATEGORY**

Dear Ms. Buechter,

M Engineering, LLC, dba Cochran is pleased to present our Letter of Interest to the Missouri Department of Transportation to provide On-Call Professional Services for roadway design. We hope that the enclosed information will demonstrate our qualifications to provide these services to Missouri's Local Public Agencies. Upon review, should you have any questions or need additional information, please contact me directly at (314) 581-0848 or via email at kurt@cochraneng.com.

Prequalification. M Engineering, LLC, dba Cochran is prequalified with MoDOT, listed in MoDOT's Approved Consultant Prequalification List and compliant with all of its financial and on-call requirements.

Sincerely,



Kurtis J. Daniels, PE
Principal | Vice President

GENERAL EXPERIENCE OF FIRM

M Engineering, LLC, dba Cochran is a full-service firm providing civil engineering, land surveying, geotechnical services, architectural support, materials testing and inspection, and construction administration. We specialize in federally funded transportation projects for counties and municipalities across Missouri.

Since 2004, M Engineering, LLC, dba Cochran has provided engineering design services for numerous roadway projects throughout Missouri completed with and without state and/or federal funding. Our team supports projects from early planning through construction by applying a thorough understanding of local design standards, methodologies, and agency requirements. Cochran is also a MoDOT-approved vendor with full qualifications on file.

Our core transportation services include land surveying; geotechnical engineering; preliminary and final design; utility coordination and relocation support; right-of-way (ROW) plans, including deeds and plats; roadway and walking trail/sidewalk design; culvert extension and structural design; stormwater and hydraulic analysis and design; preparation of final Plans, Specifications & Estimates (PS&E); and construction engineering, inspection, and materials testing.

In addition to federal-aid roadway projects, Cochran has prepared design plans and provided construction administration and inspection services for STP, CDBG, EDA, BRO, and TAP-funded road, sidewalk, and streetscape improvements for both large and small communities. The following project summaries highlight recent and current roadway design experience, including work performed in accordance with MoDOT LPA guidelines and procedures.

Foristell Road Improvements

City of New Melle

Cochran is providing engineering design and surveying services for roadway improvements along approximately 4,080 feet of Foristell Road, including pavement widening with new curb and gutter. The project also includes design of a new stormwater collection system to capture and convey runoff throughout the corridor. In addition to the widening work, approximately 1,150 feet of roadway will receive an asphalt overlay. The project, which is being funded through an 80/20 split between St. Charles County and the City of New Melle, is being completed in tandem with a federally funded TAP project to provide a 6,000 LF long 10-foot-wide multi-use path along Foristell Road and Highway Z. Status: In Design. Estimate: \$2,688,454. Contact: Marcia Gay, City Clerk, (636) 448-8012.

Veterans Memorial Parkway / Railroad Crossing / Heartland Drive & Archer Road Roadway Improvements

Warren County Commission

Cochran provided civil engineering on multiple roadways with state and federal funding to improve access to a new state-of-the-art new beef processing plant on a 165-acre site in Warren County, Missouri, including a new at-grade railroad crossing. Cochran provided the CDBG application and preliminary engineering report, field/lab testing and geotechnical services, engineering design, survey, utility, easement deeds, and construction administration. Geotechnical study included borings, field and lab testing, engineering analyses, and summary report.



Veterans Memorial Parkway at Archer Road - JNE0167 – Scope of work for this federally funded STBG project included approximately 2,585 LF of roadway improvements, including

lane widening, addition of turn lanes, new concrete pavement, approaches, shoulders, and driveways, storm sewers, box culvert extension, pavement striping, roadway signage and utility relocations. Completed per MoDOT standards in 2024.

Heartland Drive & Archer Road - CDBG 2021-ED-01 –

Cochran provided engineering design of a new two-lane (Heartland Drive) with turn lanes in and out of the American Foods Group industrial campus and construction of a new at-grade railroad crossing. Archer Road was realigned to connect



to the new Heartland Drive due to poor sight distances at the existing unsignalized rail crossing. Scope of work included approximately 3,677 LF of roadway improvements: new concrete & asphalt pavement, realignment of Archer Road, concrete approaches, concrete shoulders, asphalt & gravel driveways, storm sewers, pavement striping, roadway signage, and utility relocations. Completed in 2024.

Contact: Joe Gildehaus, Presiding Commissioner, (636) 456-3045

**Route DD Improvements J6S3509 | STP-7302(684)
City of O’Fallon**

Design included roadway widening, bridge improvements, sidewalks, a roundabout design, stormwater management systems, and utility expansion to meet current and future demands. Additional design components included roundabout and signal design to improve traffic flow and safety at key intersections, and bridge design to accommodate expanded road capacity and stormwater management. Cochran provided full design services beginning in March 2020, with construction completed in 2022. Improvements were made in coordination with MoDOT and local agencies to accommodate future growth and support ongoing developments in the corridor.



Cochran’s services included utility design and relocation, surveying, geotechnical services, construction materials testing, preliminary design with ADA compliance, right-of-way plans, platting and cost estimates. The design also included installation of high-speed fiber optic cable to meet anticipated business needs. Cochran led coordination with the City and multiple utility companies for the telecommunications expansion and collaborated with electric and sewer providers to support residential and commercial users. This included organizing and leading public meetings about the project to keep area residents informed and gather feedback. Contact: Wade Montgomery, PE, City Engineer, (636) 379-5567.

**Weldon Spring Pkwy, Phase 2- STP-7302(646)
City of Weldon Spring**

Cochran provided survey and engineering design for the extension of Weldon Spring Parkway from its existing terminus to Independence Road. Design included approximately 3,010 LF of three-lane roadway, curb and gutter, 10-foot-wide asphalt trail, storm sewers and the modifications to the existing intersection of Independence Road and Highway 94. Surveying services included topographic/right-of-way surveys, grade limit and lot clearing staking. Cochran also prepared the bidding documents and performed construction administration services. Contact: Don Lickliger, Mayor, (636) 441-2110.

PAST PERFORMANCE

Cochran understands the importance of accurate cost estimates for use in the preparation of City budgets. Cochran utilizes empirical and written cost data to determine costs for a project. Cost estimates are updated at every phase of the project. If the estimate exceeds the budget, either the budget must be adjusted, or the scope of the project has to be reduced. Either way, the client can make an informed, fiscal decision on the scope and cost of the project. The table below shows our ability to meet schedule (Design Time) and budget (Cost Estimate/Actual Cost) on a sampling of roadway improvement projects:

CLIENT	PROJECT DESIGN TIME COST
City of O’Fallon	Route DD, J6S3509/STP-7302(684) Design Est: 12 months Actual: 12 months Cost Est: \$4,006,992 Actual: \$3,328,844
Warren County	Veterans Memorial Pkwy - JNE0167 Design Est: 18 months Actual: 16 months Cost Est: \$1,930,775 Actual: \$1,063,904
Warren County	Heartland Drive & Archer Rd CDBG Design Est: 11 months Actual: 11 months Cost Est: \$690,210 Actual: \$664,687
City of Weldon Spring	Weldon Spring Pkwy Phase 2 STP-7302(646) Design Est: 18 months Actual: 18 months Cost Est: \$769,926 Actual: \$737,964

LOCAL PUBLIC AGENCY (LPA)	LPA RATINGS
City of Warrenton Guy Gevers Public Works Administrator	Timeliness: Excellent Quality: Above Average Overall: Excellent
City of Weldon Spring Michael Padella City Administrator	Timeliness: Above Average Quality: Excellent Overall: Above Average

QUALIFICATIONS OF PERSONNEL

M Engineering, LLC, dba Cochran employs a qualified team of engineers, surveyors, designers, inspectors, material testing technicians, and administrative personnel with 20+ years of experience completing federally funded LPA projects. The following key personnel will be designated for these types of projects:



Principal-In-Charge | Kurtis J. Daniels, PE

Mr. Daniels, PE, is a vice president of Cochran with 30+ years of experience providing engineering design and management of numerous multi-million dollar public works infrastructure projects, including roadways. He brings extensive leadership experience and communication capabilities to advise clients regarding the issues and procedures from concept to completion, to include value engineering. Education: Bachelor of Science, Mining Engineering, University of Missouri - Rolla, 1992.



Engineering Manager | Eric Kirchner, PE

With more than 29 years of civil engineering experience, including more than 100 projects involving roadway design and improvements, Mr. Kirchner provides superior project management and client relationships. He meticulously designs and supervises a broad variety of civil engineering projects including roadway, flood studies, storm water systems and detention, MoDOT city street and sidewalk improvements. Education: BS, Civil Engineering, 1996, University of Missouri - Rolla.



Senior Design Engineer & Geotechnical Manager | Mike Hackmeister, PE

With 14+ years of experience, Mike performs both as a senior project manager providing engineering services on roadway design and improvements, and as a geotechnical manager responsible for providing all geotechnical, environmental and jurisdictional services, as needed. His duties include interfacing with clients; subsurface exploration and drilling operations supervision; laboratory testing assignments; development of geotechnical and environmental reports; providing construction observation and inspection to assure compliance with specifications. Field experience includes liquefaction analyses, underseepage analyses of dams and levees, and settlement analyses & preloading options. Education: BS Civil Engineering, 2011, Joint Program, UM-St. Louis & Washington University.



Design Engineer | Hayden N. Ginsburg, PE

Mr. Ginsburg's 8+ years of civil engineering experience spans transportation and roadway projects for municipal and private clients. He has delivered 15+ projects involving roadway improvements, sidewalks, and stormwater pollution prevention plan (SWPPP) management. His technical background includes

geotechnical engineering, strengths of materials, structural analysis, physical geology, thermodynamics, fluid dynamics, hydrology, civil engineering materials testing and inspection, and infrastructure project development.



Director of Surveying | Nick Coates, PLS

With more than 34 years of experience in field crew management, project data organization, and quality control administration, Mr. Coates has wide ranging knowledge of all types of land surveys. He is an expert in computer technology related to land surveying, existing/proposed topography, and construction layout with over 25 years of experience in AutoCAD/Civil 3D, GIS Software, Trimble, TopCon and Microstation/GeoPak.



Inspection & Materials Testing Manager | Mark Simon, RG

With 20+ years of experience, Mr. Simon is a registered geologist and manages our 1,200 square foot on-site AASHTO certified lab. He is responsible for providing oversight for field materials testing and inspection services for municipal infrastructure, commercial and private client projects. His responsibilities include: timely coordination of technicians, tests and inspections, preparation of reports, review and analyzing test reports, construction administration and erosion control inspections. Mr. Simon is fully MoDOT certified as an inspector and possesses nine years of experience working for MoDOT as district geologist and senior inspector.

FAMILIARITY & CAPABILITY

Cochran is centrally located in the heart of historic downtown Wentzville, St. Charles County. Our close proximity to several major highways and open-door policy allows us to quickly and efficiently respond to MoDOT's needs. Over the past 18 years, we have designed and completed many federal aid STP roadway projects. As a result, we are very familiar with the Federal Aid process and MoDOT's LPA guidelines and procedures. We are committed to providing incomparable resources and responsiveness second-to-none; working with you as part of your team and supplying you the best in service, knowledge and dedication.

ACCESSIBILITY

M Engineering, LLC, dba Cochran's responsiveness to client needs is demonstrated through measurable performance and long-term client relationships. Our responsiveness is reflected in our Local Public Agency (LPA) evaluations, where clients have rated our timeliness, quality of work, and overall services as "Excellent" and "Above Average." These ratings are reinforced by our 95% repeat-client rate – an indicator that we meet expectations for communication, schedule management, and problem resolution.

ENGINEERING EXCELLENCE. LASTING IMPACT.



**Missouri's
Local
Program**
for community
development

**Route DD Improvements -
J6S3509 | STP-7302(684)
City of O'Fallon**



About Us

M Engineering, LLC, dba Cochran is a full-service firm providing civil engineering, land surveying, construction administration, construction inspection, materials testing, geotechnical, and architectural services. We specialize in delivering complex projects and solving challenges with precision and expertise.



We offer comprehensive in-house consulting services for public, municipal, government and private clients across Missouri. Our experience includes managing projects 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 and cost concerns, and present alternatives based on expert architectural and engineering judgment.

PRIMARY CONTACT

Kurtis J. Daniels, PE
Principal | Vice President
8 East Main Street
Wentzville, MO 63385
(636) 332-4574
kurt@cochraneng.com
www.cochraneng.com

COMPREHENSIVE IN-HOUSE SERVICES



SITE | CIVIL ENGINEERING

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 has 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.

Our Services Include:

- Site Selection and Due Diligence Services
- Site Redevelopment
- Land Surveying
- Land | Master Planning
- Preliminary Cost Analysis and Value Engineering
- Zoning | 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



ENVIRONMENTAL - STORMWATER

Cochran engineers have studied, evaluated, and designed solutions for stormwater issues on every level, from major developments to individual facilities.

Our team has performed stormwater 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.

Stormwater 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 the land-use characteristics of the drainage area.

Our Services Include:

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



GEOTECHNICAL ENGINEERING

Experience and a commitment to quality are the key components of our geotechnical and environmental team. Managed by 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 | Materials 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

OVERALL SERVICES

- Civil Engineering
- Land Surveying
- GIS | Mapping
- Architecture | Interior Design
- Geotechnical Engineering
- Transportation
- Site Analysis
- Stormwater
- Construction Administration
- Construction Quality Management
- Construction Inspection & Materials Testing
- Drinking Water
- Wastewater
- Cost Estimating
- Grant | Funding Assistance
- Master Planning
- Needs Assessment
- Feasibility Studies
- Market Analysis
- Energy Analysis
- LEED Certification



CONSTRUCTION MATERIALS TESTING & INSPECTION

Cochran's technicians are highly trained in conducting field testing and inspections to ensure project specifications are met. Our technicians are MoDOT 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 1,200 square foot in-house lab provides a wide-range of soil, asphalt, and concrete testing to ensure all materials used meet project specifications. We also actively participate in the AASHTO Proficiency Sample Program. 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 & CBR
- Atterberg Limits
- Standard & Modified Proctor
- Aggregate Analysis
- Concrete Compression | Flexural Testing
- Shear Strengths
- Unconfined Compressive Strength of Soils

Our Field Services Include:

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



LAND SURVEYING

We specialize in all facets of land surveying and data collection. Our land surveying 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.

Our Services Include:

- Design Surveys
- Topographical Surveys
- Boundary, ALTA, and Utility Surveys
- Right-Of-Way Plats
- Subdivision Platting
- Lot Surveys
- Easement Preparation
- Construction Staking

LOCAL PUBLIC AGENCY (LPA)	LPA RATINGS
City of Warrenton Guy Gevers, Public Works Administrator	Timeliness: Excellent Quality: Above Average Overall: Excellent
City of Weldon Spring Michael Padella, MBA, City Administrator	Timeliness: Above Average Quality: Excellent Overall: Above Average

OUR TEAM

M Engineering, LLC, doing business as Cochran is lead by four principals — **Kurtis J. Daniels, PE, Christopher N. Boone, PE, Shannong Johanning, PE, and David Christensen, PE** — who are committed to delivering exceptional service through hands-on involvement in every phase of each project. They take personal and professional responsibility for project success, ensuring every assignment receives the focused attention it deserves. They also provide firm-wide leadership grounded in Cochran's core values: uncompromising quality, creative and thoughtful design solutions, responsive collaboration and clear communication with our clients, and ethical, respectful teamwork with all partners and stakeholders, including the Missouri Department of Transportation.



Principal | Kurtis J. Daniels, PE

With 30+ years of experience, Mr. Daniels is responsible for a diverse assortment of civil engineering projects, including site development, surveying, construction management, construction inspection and testing, roadway design, flood studies, and storm sewer design. He provides executive leadership and oversight on projects ranging from subdivisions and commercial sites, to municipal infrastructure to roadways.



Geotechnical Manager | Mike Hackmeister, PE

With 13+ years of experience, Mike is responsible for providing all geotechnical, environmental and jurisdictional services as needed. His duties include interfacing with clients; subsurface exploration and drilling operations supervision; laboratory testing assignments; development of geotechnical and environmental reports; providing construction observation and inspection to assure compliance with specifications. Field experience includes liquefaction analyses, underseepage analyses of dams and levees, and settlement analyses & preloading options.



Director of Surveying | Nick Coates, PLS

With more than 34 years of experience in field crew management, project data organization, and quality control administration, Mr. Coates has wide ranging knowledge of all types of land surveys. He is an expert in computer technology related to land surveying, existing/proposed topography, and construction layout with over 25 years of experience in AutoCAD/Civil 3D, GIS Software, Trimble, TopCon and Microstation/GeoPak.



Engineering Manager | Eric Kirchner, PE

Mr. Kirchner has more than 29 years of experience in civil engineering and has built strong client relationships through clear, consistent communication. As an engineering manager and partner, he leads project teams, provides technical oversight, manages quality control and quality assurance, and ensures projects are delivered on time and within budget. He is highly experienced in the design and construction of municipal, commercial, and residential projects, including roadway systems, storm sewer and drainage improvements, water main extensions, and site development. He pairs this technical expertise with a practical, solutions-focused approach that supports successful project delivery from planning through construction.



Materials Testing Field Manager | Mark Simon, RG

With 20+ years of experience, Mr. Simon is a registered geologist and manages our 1,200 square foot on-site AASHTO certified lab. He is responsible for providing oversight for field materials testing and inspection services for municipal infrastructure, commercial and private client projects. His responsibilities include: timely coordination of technicians, tests and inspections, preparation of reports, review and analyzing test reports, construction administration and erosion control inspections. Mr. Simon is fully MoDOT certified as an inspector and possesses nine years of experience working for MoDOT as district geologist and senior inspector.



“The City counts on Cochran to provide the information we need and expertise to deliver quality projects. The City insists upon well thought out and well-designed projects that can be delivered to our residents on time and within budget. Their entire team is great to work with!”

— Mike Lueck | Parks & Recreation Director, City of Wentzville