



About Cochran

SC Engineering, LLC, dba Cochran is a full-service civil engineering, land surveying, construction administration, material testing & inspection, geotechnical, and architectural firm specializing in all aspects of federally funded transportation projects – including roadways, bridges, ADA-compliant sidewalks, trails and multi-use paths.

We provide all surveying, civil engineering, hydraulic analysis, structural design, geotechnical, and construction administration services needed to develop federally funded roadway infrastructure improvements.

Our survey department specializes in all facets of land surveying and right-of-way plan development. We operate four in-house materials testing labs and our technicians carry multiple certifications to ensure all work complies with ASTM, AASHTO and MoDOT specifications, as well as applicable IBC and local jurisdictional standards.



PRIMARY CONTACT
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SC Engineering, LLC, dba Cochran has performed engineering design services for 200+ roadway and bridge projects, including more than \$200M in federal funds

COMPREHENSIVE TRANSPORTATION SERVICES

SAFETY

Safety enhancements are a critical part of transportation project design because they directly reduce the frequency and severity of crashes for drivers, pedestrians, cyclists, and roadway workers. By evaluating the roadway context and crash risk early – then incorporating proven countermeasures such as improved sight distance, safer intersection geometry, access management, traffic calming, enhanced signing and pavement markings, lighting, and compliant pedestrian facilities – our engineers create corridors that are more forgiving and predictable for all users. Prioritizing safety in design also supports long-term system reliability by reducing incident-related delays, lowering maintenance and liability risks, and ensuring projects align with applicable standards and community expectations.



ROADWAYS

Transportation planning must consider federal ADA requirements, environmental impacts, current operations and future needs of any community. Our engineers balance these elements to design infrastructure improvements that preserve our clients' investments.

- Roadway Design
- Roundabout Design
- ADA-Compliant Sidewalk Facilities
- Shared-Use Path & Trails
- Complete Streets
- Funding Strategy & Procurement
- Pavement Evaluation & Analysis
- Construction Phase Services
- 3-D Modeling
- Drainage Planning & Design
- Cost Estimates
- Land Surveying
- Construction 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.

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



BRIDGE & STRUCTURAL DESIGN

Our engineers have experience providing bridge inspection, planning, preliminary engineering design, final design, and construction support and inspection services. We offer a full range of new bridge and bridge rehabilitation design services, including the scope of repairs needed and budgets for estimates of repair costs.

- Bridge & Box Culvert: Design, Replacement, Repair, Rehabilitation and Damage Assessments
- Bridge and Box Culvert Load Rating
- Hydraulic Analysis for Bridges & Box Culverts (HEC-RAS)
- Bridge Concept | Alignment Studies
- Aesthetic Elements
- Bridge Condition Report Inspection
- Cost Analysis: Repair v. Replacement
- Cast-in-place Concrete Retaining Walls
- Land Surveying
- Construction Inspection



CONSTRUCTION ADMINISTRATION

Our construction inspection staff have significant MoDOT & LPA construction inspection experience in accordance with the FAST guidelines. Our inspectors have the required MoDOT certification in asphalt, soil density, and concrete; OSHA-10-hour Training Course in Construction Safety & Health; and the Humboldt Scientific Training Course Certification for Radiological Safety and Gauge Use. Our services include:

- Contract administration
- Construction inspection
- Concrete testing - field and lab
- Nuclear density testing
- Pavement cores after each paving day
- AASHTO lab testing
- Performance records & payment
- Constructability reviews
- DBE-CUF forms
- Land disturbance forms

RECENT PROJECT EXPERIENCE (PARTIAL LIST)



Roadways, Sidewalks, Trails & Shared-Use Paths

- City of Union, E Main St Bridge STBG-6200(619)
- City of Linn Creek, Valley Road TAP-9901(549)
- City of Park Hills, St. Joe Dr Sidewalks TAP-7100(010)
- City of Florissant, Catherine Street STP-5595(619)
- City of Washington, Third Street STBG-6401(603)
- City of Union, Denmark Rd Phase 4 STBG-6200(617)
- City of Pacific, 4th Street STP-5419(616)
- City of Ste. Genevieve, St. Mary's Trail TAP-9900(096)
- City of Bonne Terre, W. School St TAP-9900(097)
- City of University City, Pershing Ave STP-5402(620)
- City of Sullivan, N & S Sidewalks TAP-6000(606)
- City of University City, Ferguson Ave TAP-5402(622)
- City of Fenton, Old Hwy 141 STP-4989(616)
- City of Pacific, Hwy N Phase 4 STP-5419(613)
- City of Festus, North Mill Overlay STP-2608(605)
- City of De Soto, Clark St STP-2201(602)
- City of Fenton, Larkin Williams Improvements STP-4989(615)
- City of Valley Park, St. Louis Ave Phase 3 STP-9901(651)
- City of Valley Park, St. Louis Ave Phase 2 STP-9901(648)
- City of Valley Park, St. Louis Ave Phase 1 STP-9901(641)
- City of Washington, Third St STP-6401(602)
- City of Ballwin, Holloway Rd STP-4939(608)
- City of Ballwin, New Ballwin Rd STP-4939(609)
- City of New Haven, Downtown Phase 1 STP-9901(633) and Phase 2 STP-9901(645)
- City of De Soto, N Main St STP-2200(612)
- City of Hillsboro, Business 21 Phase 4 STP5476(614)
- City of Arnold, Lonedell Rd STP-5445(602)
- City of Edmundson, Edmundson Rd STP-5407(618)



Bridges & Box Culverts

- **Franklin County**
 - » Little Indian Creek Rd LWC at Rye Creek (2025), 44' single span, 42.5' hydraulic opening, pre-stressed concrete box beam bridge deck
 - » Little Boone Creek (2025), 27-Inch pre-stressed concrete spread box beam
 - » Hendricks Rd (2025), 44'-long single span structure
 - » Kiel-Lyon (2025), 56' prestressed box beams on pile cap end bents
 - » Calvey Creek Rd (2025), 48' prestressed box beams on walls on rock
 - » Little Indian Creek (2024), 42' single span I-Beam Bridge
 - » Huff Rd (2024), 42' single span I-Beam Bridge
 - » Hendricks Rd (2023), 45' steel girders on walls on rock
 - » Elmont Rd (2023), 80' PPNUG on pile cap end bents
 - » Ridge Rd (2021), 91' PPNUG on pile cap end bents
- **Iron County**, Bridge 053001151 (2024), 40' single span bridge with 22' deck width
- **City of Pacific**, Denton Rd Bridge Replacement (2023), 100'PPNUG on pile cap end bents
- **Audrain County**, County Rd 525 (2023), 23'x8' box culvert
- **Audrain County**, County Rd 709 (2023), 2' Pressed Box Beams on pile cap end bents
- **City of Union**, Denmark Rd (2022), 123' PPNUG on pile cap end bents
- **City of Wildwood**, Bouquet Rd (2018), 63' PPNUG on pile cap end bents

LOCAL PUBLIC AGENCY (LPA), OFFICIAL, TITLE	ENGINEERING CATEGORY	RATING
Iron County, Ben Young, Former District Commissioner	Bridge Design, Construction Inspection	Outstanding
Audrain County, Alan Winders, Presiding Commissioner	Bridge Design, Construction Inspection	Excellent
Benton Co., Steve Daleski, South District Commissioner	Design - Bridges and Structures	Excellent
Franklin County, Jim Grutsch, Highway Administrator	Bridge Design, Construction Inspection	Excellent
City of Herculaneum, Jim Kasten, City Administrator	Road Design, Sidewalk, Construction Inspection	Excellent
City of Pacific, Steve Roth, City Administrator	Road Design, Sidewalk, Construction Inspection	Above Ave.
City of St. Clair, Travis Dierker, City Administrator	Road Design, Sidewalk, Construction Inspection	Excellent
City of Crystal City, Jason Eisenbies, City Administrator	Road Design, Sidewalk, Construction Inspection	Excellent
City of De Soto, Todd Melkus, City Manager	Road Design, Sidewalk, Construction Inspection	Excellent
City of Desloge, Stephanie Daffron, City Administrator	Road Design, Sidewalk, Construction Inspection	Excellent
City of Hillsboro, Jesse Wallis, City Administrator	Road Design, Sidewalk, Construction Inspection	Excellent
City of New Haven, Kathy Trentmann, City Administrator	Road Design, Sidewalk, Construction Inspection	Excellent

TESTIMONIALS

City of De Soto:

"Cochran is always available, honest, collaborative and brings a high quality of customer service to not only the City staff, Mayor and Council, but our residents, businesses, schools and other stakeholders. Cochran has provided excellent project management and construction administration services and is always professional, even in the toughest circumstances."

City of Union:

"I have worked for the City of Union for 22 years. I have worked with Cochran on multiple projects for 22 years. We return to them for many reasons, including that their work is reliable, on-time and on-budget. We highly recommend Cochran and will continue to use them for many services."

City of Olivette:

"I continue to be impressed by Gary's commitment to our projects. When we had trouble communicating with the awarded contractor, Gary took it upon himself to go to the company and meet with senior management. This extra effort got our project moving. . . . The City administration and I greatly appreciate Gary's and Cochran's commitment to the Olivette community."

OUR TEAM



David Christensen, PE, MPPA Principal | Vice President, Transportation

- 200+ completed road and bridge projects
- Expertise in roadway design, bridges, storm sewers, ADA compliance, and municipal infrastructure
- Secured more than \$200 million in grants and federal loans.
- Background as a MoDOT inspector and municipal engineer for the Cities of Clayton and Chesterfield.



Kevin Wolff, PE | Senior Design Engineer

- 25+ years of stormwater management and flood protection experience.
- Specializes in hydrologic and hydraulic analysis, storm sewer and watershed modeling, and floodplain studies.
- Works closely with cities to resolve localized flooding and improve stormwater systems for roadways, sidewalks, and trails.



Mike Spalding | Senior Design Engineer

- 25+ years roadway improvement experience.
- Manages PS&E preparation, MoDOT approvals, and quality control using a detailed 140-point review process.
- Specializes in ADA-compliant design for trails, sidewalks, and parking facilities.
- Holds MoDOT Local Public Agency Basic Training Certification and serves as an ADA Compliance Specialist.

Gary Scheipeter | Construction Inspector/Utility Manager



- 30+ years of experience in roadway, sidewalk, ADA, and streetscape projects.
- Background includes 25+ years as Public Works Superintendent for the City of Clayton.
- Expert in roadway design, park lighting, photometric analysis, and system maintenance.
- Oversees daily construction operations, resource scheduling, and on-site project management.



Tary Todd, PE | Director of Road, Bridge Design

- 40 years roadway, bridge, stormwater, and ADA sidewalks design experience.
- 100+ transportation projects with expertise in funding and design.
- Oversees feasibility studies, planning, design, cost estimating, and construction administration.
- Delivers efficient, safe, and high-quality infrastructure that strengthens community connections.



Brad Dunagan, PE | Senior Design Engineer

- Over 45 years of experience in bridge, roadway, and project management.
- Completed hundreds of bridge and roadway projects, including 50+ condition assessments.
- Skilled in feasibility studies, planning, design, and construction administration for transportation and water resource projects.



Tim Van Leer, PLS | Director of Surveying

- 25+ years of experience in boundary, topographic, and real property surveying.
- Provides surveying services for transportation including roadways, bridges, ADA-compliant sidewalks and multi-use trail projects.
- Oversees construction stakeout operations from residential to complex utility and highway projects.
- Bridges contractor needs with precise survey layout for seamless project execution.



Anthony Breakfield | Construction Inspector

- 8 years of experience in roadway & ADA-compliant sidewalk construction inspection.
- Extensive background in MoDOT-administered projects and field coordination.
- Certified nuclear hazmat safety, EPA construction, OSHA 10, and MoDOT SD, BT, CF, CS.
- Focused on quality assurance, compliance, and accurate project documentation.