



ROADWAY AND BRIDGE ENGINEERING  
INSPECTION & MATERIALS TESTING  
LAND SURVEYING

ST. LOUIS OFFICE • 737 RUDDER ROAD • ST. LOUIS, MISSOURI • PHONE: 314.842.4033 • FAX: 314.842.5957 • WWW.COCHRANENG.COM

## Firm Overview

**SC Engineering, LLC dba Cochran** is a civil engineering, surveying, geotechnical, architectural, construction inspection, and materials testing firm. Cochran, as a whole, employs over 80 professionals and has six offices in Missouri [St. Louis, Farmington, Union, Wentzville, Ozark and Osage Beach].

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. Our AASHTO Certified soil, concrete and asphalt laboratory, is equipped with modern testing instrumentation, and tests are conducted in accordance with applicable ASTM procedures. All of these services are administered in accordance with FAST requirements and procedures

Our commitment to our clients includes principal involvement in all phases of each project. Cochran's four principals – Chris Boone PE, Shannon Johanning PE, Dave Christensen PE, and Kurt Daniels PE, take personal as well as professional responsibility on the success of all of our projects, and each project receives the individual attention it deserves. They guide the firm in focusing on core values which include the highest of quality and the best creative engineering effort.

### **STP Project Experience:**

We have performed engineering design services for over 90 STP roadway and bridge projects, including over \$85M in federal funds.

We are listed in MoDOT's Approved Prequalification list.

### **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.

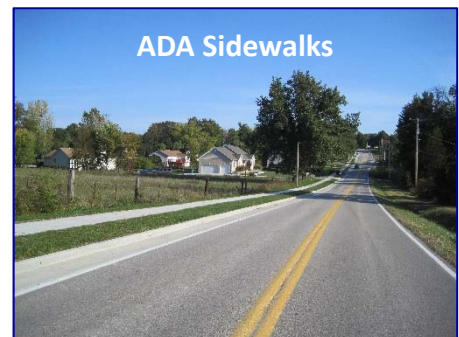
Bridges



Roadways



ADA Sidewalks



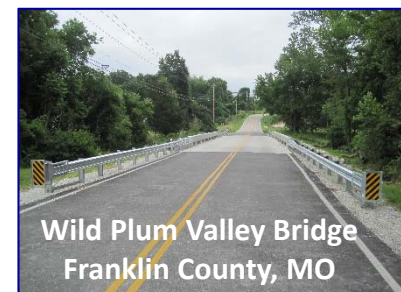


## Bridges

Our engineers have experience in 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.

### Our Bridge & Structural Design Services

- Surveying
- Bridge concept and alignment studies
- Replacement bridge design
- Aesthetic elements for new bridges
- Bridge repair plans
- Bridge and culvert load ratings
- Bridge condition report Inspection
- Cost analysis of repair versus replacement
- Structural design of concrete box culverts
- Cast-in-place concrete retaining walls
- Construction Inspection



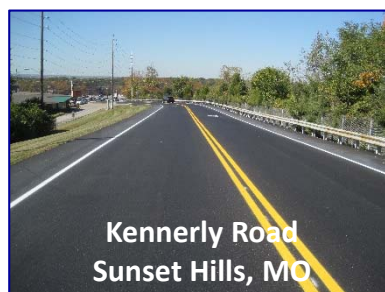
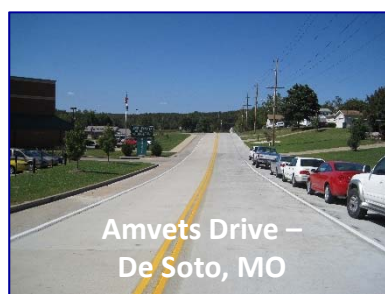
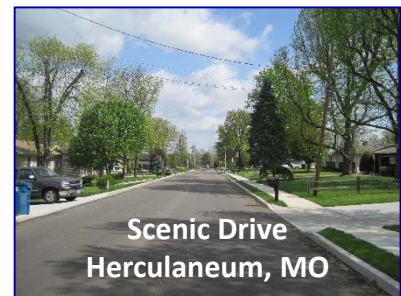


## Roadway Infrastructure

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 client's investments.

### Roadway Design services includes:

- Surveying
- Roadway design
- ADA compliant sidewalk facilities
- Roadway and structural design
- Funding strategy and procurement
- Pavement evaluation and analysis
- Construction phase services
- 3D modeling
- Drainage planning and design
- Cost estimates
- Construction Inspection





## Construction Inspection and Testing

Our construction inspection staff have significant MoDOT and LPA construction inspection experience in accordance with the FAST guidelines. Our Inspectors have the required MoDOT certifications in asphalt, soil density, and concrete; OSHA - 10-hour Training Course in Construction Safety & Health; and 3) Humboldt Scientific Training Course Certification for Radiological Safety and Gauge Use.

### Our construction administration 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 and payment
- Constructability reviews
- DBE-CUF Forms
- Land disturbance forms

