November 8, 2013

Mr. Kenny Voss, P.E.
Local Program Administrator
Missouri Local Roads Program

RE: **Letter of Interest – Construction Inspection**

Dear Mr. Voss:

This letter is in response to MoDOT's Local Program solicitation letter dated October 1st, requesting Consultants to submit a letter of interest to provide professional services to LPA's for the above referenced on-call services. **Please consider this letter our expression of interest.**

1. GENERAL EXPERIENCE OF FIRM:

We specialize in providing federally funded **roadway design** engineering services to Counties and Municipalities throughout Missouri. Over the past 7 years, SC Engineering, LLC dba **Cochran** has inspected over **45 federal aid STP projects**. Our services included: survey, geotechnical engineering, preliminary plans, utility relocation coordination, ROW plans (including deeds and plats), roadway design, structural design, storm water system design, hydraulics, final PS&E, and construction inspection. The following is a partial list of federal aid roadway projects that we have recently inspected in accordance with MoDOT's LPA guidelines and procedures:

Key personnel on the following projects included: Dave Christensen (Principal), Tary Todd (Project Manager), Mark Huber (Senior Construction Inspector), Mike Spalding (Construction Administration Engineer), and Cochran's Lab conducted the materials testing:

Brown Street – STP-5403(628) – City of Herculaneum
Roadway rehabilitation, pavement widening, full depth repair, removal of improvements, concrete approaches, concrete curb and gutter, ADA ramps, concrete sidewalks, traffic control, storm sewer structures, pavement striping, landscaping, street trees, restoration, and roadway signage. Construction cost $728,995 (Contractor – Spencer Contracting, under construction, completed spring 2013).

Jefferson and Virginia Avenue Improvements – STP-9900(630) – City of Crystal City
Decorative street lighting, grading and excavation, ADA ramps, storm sewer installation, removal of improvements, pavement milling, full depth pavement repair, asphalt pavement, retaining walls, concrete sidewalks, concrete curbs, concrete approaches, street trees, sodding, and striping. Construction cost $933,727 (Contractor – Jokerst Paving, completed summer 2011).

Business 21 Improvements – STP-7205(601) – City of Hillsboro
Asphalt pavement, decorative street lighting, pavement widening, grading and excavation, ADA ramps, storm sewer installation, removal of improvements, pavement fabric, concrete sidewalks, concrete curbs, concrete entrances, street trees, tree grates, traffic control, sodding, and striping. Construction cost $1,006,789 (Contractor – NB West, completed fall 2012).

Business 21 – Hillsboro

Highway N Enhancements – STP-5419(603) – City of Pacific
Pedestrian bridge, grading and excavation, ADA ramps, storm sewer installation, removal of improvements, retaining walls, full depth pavement widening, guard rails, concrete sidewalks, concrete curbs, concrete entrances, street trees, traffic control, sodding, and signage. Construction cost $876,019 (Contractor – JM Marschuetz, completed spring 2012).

Main Street Improvements & Enhancements – STP-6200(603) & STP-6200(606) – City of Union
Roundabout, asphalt pavement, full depth repair, removal of improvements, concrete approaches, concrete curb and gutter, ADA ramps, concrete sidewalks, traffic control, storm sewer structures, pavement striping, landscaping, street trees, tree grates, and roadway signage. Construction cost $2,247,488 (Contractor – Magruder Paving, under construction, completed spring 2013).

Main Street – Union

E. Vine Street Phase 1 Improvements - STP-6000(602) - City of Sullivan
Asphalt pavement, concrete curb and sidewalks, ADA ramp improvements, decorative street lights, landscaping islands, street trees, and sodding. Construction cost: $832,270 (Contractor - NB West, completed spring 2011).

Main Street Enhancement Project - STP-5418(602) - City of St. Clair
Concrete curb and sidewalks with brick accent strip, ADA ramp improvements, decorative street lights, landscaping islands, street trees, and sodding. Construction cost: $666,801, (Contractor - R.V. Wagner, completed fall 2008).

West Miller Street & Donnely Avenue – STP-5403(608) – City of De Soto
ADA ramps, removal of improvements, pavement milling, full depth pavement repair, guardrail, asphalt pavement, retaining walls, concrete sidewalks, concrete curbs, concrete approaches, street trees, sodding, and striping. Construction cost $494,811 (Contractor – NB West, completed summer 2010).

West Miller – De Soto

Old Gravois Road Improvements – STP-5410(607) – City of Sunset Hills
Asphalt pavement, removals, milling, rock excavation, storm sewer, ADA ramps, pavement widening, concrete curbs, concrete sidewalks, street lighting, street trees, full depth pavement repair, signage, and striping. Construction cost $1,129,417 (Contractor – L. Krupp, completed summer 2009).

Miller Street Reconstruction Phase 1 – STP-5401(628) – City of New Haven
Full depth asphalt pavement, removal of improvements, concrete approaches, concrete curb and gutter, ADA ramps, concrete sidewalks, traffic control, water main, gas main, storm sewer, pavement striping, street trees, and roadway signage. Construction cost $683,185 (Contractor – KJU Inc., completed summer 2012).

Springfield Road Improvements – STP-5401(631) – City of St. Clair
Asphalt pavement, water main, pavement widening, grading and excavation, ADA ramps, storm sewer installation, removal of improvements, pavement milling, full depth pavement repair, concrete sidewalks, concrete curbs, concrete approaches, street trees, sodding, and striping. Construction cost $811,578 (Contractor – Lamke Trenching and Excavating, completion fall 2012).

Springfield – St. Clair

2. PAST PERFORMANCE:

Please see our attached Company Reference Forms, which demonstrate our quality of work and customer service responsiveness.

3. QUALIFICATIONS OF PERSONNEL:

SC Engineering, LLC dba **Cochran** employs a qualified team of engineers, inspectors, material testing technicians, and administrative personnel. The following key personnel will be designated for these types of projects:

Principal-In-Charge – **Mr. Dave Christensen, P.E., MPPA,** is the Vice President of Cochran and has over 16 years of experience and has managed numerous multi-million dollar public works infrastructure projects. Mr. Christensen's primary role will be to assign the appropriate levels of resources to meet the project schedule and

budget. Mr. Christensen takes ultimate responsibility to maintain the project budget, project schedule, and project performance. Mr. Christensen served as Principal-In-Charge for all of the projects listed in this submittal. [Education: Master of Science, Public Policy Administration, University of Missouri – St. Louis, 99'; Bachelor of Science, Civil Engineering, University of Missouri - Rolla, 91']

Technical Project Manager - **Mr. Tary Todd, P.E.** is the Director of Road and Bridge Design for Cochran. Mr. Todd will be responsible for the technical work and overall design production. Mr. Todd has over twenty five years of experience designing roadways and bridges located throughout Missouri. Mr. Todd has been involved with the design, management and construction of numerous roadway rehabilitation and bridge replacement projects, specifically: roadway rehabilitation – 30+ projects, Off-System – 33 bridges; On-System – 5 bridges; County/Private – 64 bridges. [Education: Bachelor of Science, Civil Engineering, University of Missouri - Columbia, 85']

Senior Construction Inspector – **Mark Huber** – will serve as the Senior Construction Inspector for this project. Mr. Huber has over 10 years of construction inspection experience and will be in charge of Cochran's inspection staff. He will be responsible for daily inspections, meetings, materials testing, contract administration as required by MoDOT's LPA manual. Mr. Huber served as construction inspector for all of the projects listed in this submittal. [MoDOT Technician Certifications: Bituminous Technician, Soil Density Technician, Concrete Field Technician]

Construction Administration Engineer – **Mike Spalding** is a senior design and construction engineer. Mr. Spalding has over 15 years experience with federal aid projects and ADA code compliance. Mr. Spalding's primary role will be to administer all of the required MoDOT documents for PS&E approval and assure ADA compliance with the design. Federal aid project design and construction experience – 25+ STP projects. [Education: Bachelor of Science, Civil Engineering, University of Missouri – Rolla, 97']

Cochran's Materials Testing Personnel - Testing Laboratory – Cochran has an AASHTO (American Association of State Highway and Transportation Officials) certified materials testing lab. Our field testing equipment includes – air entrainment machine, slump cones, cylinder molds and nuclear density testing devices. Testing Includes: **Asphalt -** Asphalt mix gradation, asphalt mix oil content, in-place asphalt compaction. **Concrete -** Sampling and testing concrete materials, approval of mix design, testing the slump of the concrete, testing the air content, and preparing the concrete specimens for laboratory strength test, and preparing records and reports.

4. FAMILIARITY/CAPABILITY:

Over the past 7 years, SC Engineering, LLC dba **Cochran** has inspected over 45 federal aid STP roadway projects. As a result, we are very familiar with the federal aid process and MoDOT's LPA guidelines and procedures.

5. ACCESSIBILITY:

We are committed to providing incomparable resources and customer service responsiveness. Please contact our Clients on the attached Company Reference Forms regarding our record of responsiveness. After reviewing our credentials, we look forward to meeting with you to discuss our qualifications in further detail. I can be reached at 314-220-7016 or david@cochraneng.com. Thank you.

Yours very truly,

Dave Christensen, P.E.
Vice President

Missouri's Local Program
for community development

COMPANY REFERENCE FORM

Firm's Name: Cochran

Local Agency Name: Franklin County

Local Agency Phone Number: 636-583-6361

Name & Title of Rater: Joe Feldmann/Co. Engineer

General Project Description/Type:

Construction inspection/administration/testing for Labadie Multi-Use Path and the Wild Plum Valley Bridge.

Work Category:

- ☐ Roadway Design
- ☐ Trails & Sidewalks
- ☒ Construction Inspection
- ☐ Traffic Engineering & TEAP
- ☐ Structures

Timeliness:

- ☐ Below Average
- ☐ Average
- ☐ Above Average
- ☒ Excellent

Work Quality:

- ☐ Below Average
- ☐ Average
- ☐ Above Average
- ☒ Excellent

Overall Rating:

- ☐ Below Average
- ☐ Average
- ☐ Above Average
- ☒ Excellent

General Remarks/Comments:

Cochran has done consulting engineering on numerous projects for Franklin County. Their work is exceptional and I would recommend them for this type of work.

Missouri's Local Program
for community development

COMPANY REFERENCE FORM

Firm's Name: Cochran

Local Agency Name: City of Hillsboro

Local Agency Phone Number: 636-797-3334 Ext. 3

Name & Title of Rater: Gery Marmaduke, City Administrator

General Project Description/Type:

Street improvements to include new concrete sidewalks, street lighting, new storm sewer, pavement milling and asphalt overlay.

Work Category:

- ☐ Roadway Design
- ☐ Trails & Sidewalks
- ☒ Construction Inspection
- ☐ Traffic Engineering & TEAP
- ☐ Structures

Timeliness:

- ☐ Below Average
- ☐ Average
- ☐ Above Average
- ☒ Excellent

Work Quality:

- ☐ Below Average
- ☐ Average
- ☐ Above Average
- ☒ Excellent

Overall Rating:

- ☐ Below Average
- ☐ Average
- ☐ Above Average
- ☒ Excellent

General Remarks/Comments:

Demonstrated effective allocation of personnel
Maintained accurate documentation
Responsive to citizen's concerns

Missouri's Local Program
for community development

COMPANY REFERENCE FORM

Firm's Name: COCHRAN

Local Agency Name: CITY OF UNIVERSITY CITY, MISSOURI

Local Agency Phone Number: (314) 505-8566

Name & Title of Rater: RICHARD L. WILSON, DIRECTOR

General Project Description/Type:

TWO (2) SHORT (25' & 35') SINGLE SPAN BRIDGES

Work Category:

- ☐ Roadway Design
- ☐ Trails & Sidewalks
- ☒ Construction Inspection
- ☐ Traffic Engineering & TEAP
- ☐ Structures

Timeliness:

- ☐ Below Average
- ☐ Average
- ☒ Above Average
- ☐ Excellent

Work Quality:

- ☐ Below Average
- ☐ Average
- ☒ Above Average
- ☐ Excellent

Overall Rating:

- ☐ Below Average
- ☐ Average
- ☒ Above Average
- ☐ Excellent

General Remarks/Comments:

WORKS WELL WITH THE CONTRACTOR WHILE PROTECTING THE OWNER'S PROJECT TO MAKE SURE BUILT PROPERLY AND WITHIN BUDGET.

COCHRAN COMPANY BROCHURE

The staff at COCHRAN, as a whole and individually, has been involved with consulting solutions for many different and unique engineering and construction problems. The firm is not only defined by nearly 40-years of engineering and surveying experience, but several years of construction project bidding, project management, and construction personnel and equipment scheduling. As you will see in this brochure, we specialize in all facets of Civil Engineering, Road and Bridge Design, Surveying, Geotechnical, Construction Inspection, and Materials Testing.

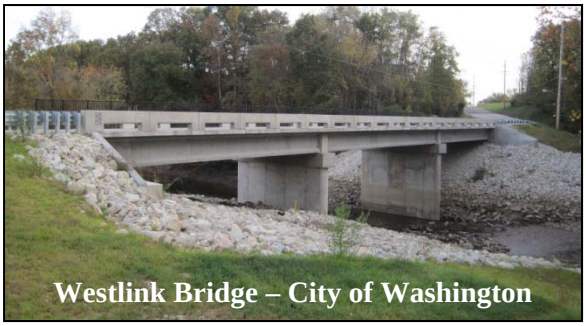
Church Street – City of Union

Manpower – Cochran is a "Full Service" civil engineering and architectural firm, with four offices in Missouri. Our offices are located in Fenton, Union, Wentzville, and our new office in Camdenton. Cochran's offices are currently providing professional services on over one hundred projects throughout Missouri. However, Cochran maintains a manageable workload to meet client expectations. We constantly update our resource and staffing capacity (*50+ staff, including 12 professional engineers, 6 professional land surveyors, and 2 licensed architects*).

We provide civil engineering, surveying and architectural services to public and private clients throughout the Midwest. Specifically, we have provided municipal engineering/surveying services for numerous governmental entities in St. Louis County, Franklin County, Jefferson County, and St. Charles County.

Our Services Include:

- Road and Bridge Design
- Municipal Engineering
- Capital Improvements Programming, Coordination and Implementation
- Federal Funding Assistance
- CDBG Funding Assistance
- Site Development and Design
- Storm Sewer Engineering and Design
- Geotechnical Engineering
- Preventive Pavement Management Plans
- Sanitary Sewer Design
- Geographic Information Systems (GIS)
- Public Presentations and Meetings
- Engineering Review
- Surveying
- Mapping
- Construction Administration
- Construction Testing and Inspection


Westlink Bridge – City of Washington

Bailey Road Streetscape – Crystal City

Cochran - Organizational Chart

Main Office
Union
Chris Boone, P.E. (President)
Shannon Johanning, P.E. (Vice-President)

Personnel:
- Professional Engineers - 6
- Professional Surveyors - 3
- Architects - 2
- Engineering Technicians - 12
- CADD Technicians - 8
- Administrative - 7

Services:
- Site Development
- Water System Design
- Storm Sewer Design
- Sanitary Sewer Design
- CDBG Funding Assistance
- Materials Testing Laboratory
- Geotechnical Engineering
- Land Surveying
- Geographic Info. System (GIS)
- Construction Field Testing

Branch Office
Fenton
Dave Christensen, P.E. (Vice -President)

Personnel:
- Professional Engineers - 3
- Professional Surveyors - 1
- Engineering Technicians - 5
- CADD Technicians - 4

Services:
- STP Project Applications
- Municipal Engineering
- Road Design
- Bridge Design
- Retaining Wall Design
- Federal Funding Assistance
- Land Surveying
- Storm Sewer Design
- Pavement Maintenance
- Construction Inspection

Branch Office
Wentzville
Kurt Daniels, P.E. (Vice -President)

Personnel:
- Professional Engineers - 3
- Professional Surveyors - 2
- Engineering Technicians - 1
- Landscape Architect - 1
- CADD Technicians - 2

Services:
- Site Development
- Road Design
- Water System Design
- Sanitary Sewer Design
- Landscape Architecture
- Land Surveying

Roadway & Bridge 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:

- Roadway Rehabilitation Engineering
- Bridge Design
- Concrete Pavements
- Full Depth and Asphalt Overlay Projects
- Ultra Thin (Nova Chip) Projects
- Road and Bridge Design
- Federal 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

Surveying

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

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 we provide 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

Construction Management

AASHTO Certified Lab - Cochran 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

Municipal References

City of Herculaneum
Jim Kasten, City Administrator, 636-475-4447

City of Pacific
Harold Selby, City Administrator, 636-271-0500

City of Hillsboro
Gery Marmaduke, City Administrator, 636-797-3334

City of Wildwood
Ryan Thomas, P.E., Director of PW, 636-405-2041

City of Ladue
Anne Lamitola, City Engineer, 314-993-5665

City of Crystal City
Debbie Johns, City Clerk, 636-937-4614

Franklin County
Joe Feldman, County Engineer, 636-583-6362

City of New Haven
Steve Roth, City Administrator, 573-237-2349

City of Sullivan
J.T. Harding, City Administrator, 573-468-4612

City of De Soto
Dave Dews, City Manager, 636 586-3326

City of Union
Jonathan Zimmermann, P.E., City Eng., 636 583-3600

City of Washington
Dan Boyce, P.E., City Engineer, 636-390-1010

City of St. Clair
Rick Childers, City Administrator, 636-629-0333