



County of **GREENE** *State of Missouri*

GREENE COUNTY HIGHWAY DEPARTMENT

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BOB CIRTIN
Presiding Commissioner

HAROLD BENGSCHE
Commissioner 1st District

ROSEANN BENTLEY
Commissioner 2nd District

RICK ARTMAN
Administrator

May 14, 2015

Subject: Kansas Expressway Extension Project – Greene County, MO

Dear Consultant:

The Greene County Highway Department is requesting the services of a consulting engineering firm to perform professional services for the Kansas Expressway Extension project, as described in the accompanying Request for Qualifications (RFQ) document. The RFQ and other supporting project data is available to be picked up on a CD for viewing/printing by interested consulting firms from the Greene County Highway Department, 2065 North Clifton, Springfield, MO 65803, telephone (417) 831-3591 upon payment of \$25. Consulting firms may also request a CD to be mailed to them for an additional cost of \$25 to be added for postage and handling, or the bidder may provide a FedEx account number. Purchase and postage amounts are not refundable. The Greene County Highway Department assumes no liability for ensuring that documents mailed or shipped will arrive in time to allow sufficient response to this RFQ.

If your firm wishes to be considered for these described consulting services, you may express your interest by responding to the project submittal requirements, which have been identified in the accompanying RFQ document. It is also required that your firm's Statement of Qualifications (RSMo 8.285 through 8.291) be submitted with your proposal, or be on file with the Greene County Highway Department.

DBE firms must be listed in the MRCC DBE Directory located on MoDOT's website at www.modot.gov, in order to be eligible for participation towards the established **DBE Goal of 14%** for this project. We encourage DBE firms to submit proposals for any project that they feel can be managed by their firm.

It is required that your firm be prequalified by MoDOT and listed in MoDOT's Approved Consultant Prequalification List, or your firm will be considered non-responsive.

We request that all submittals be received by **4:00pm, June 19, 2015** at the Greene County Highway Department, 2065 North Clifton, Springfield, MO 65803.

Sincerely,

Adam Humphrey
Assistant Administrator
Greene County Highway Department

Greene County Highway Department



Kansas Extension Project: Republic Rd to Farm Road 190 Federal No. STP-5909(802)

Request For Qualifications (RFQ):

to perform

Engineering Design Services

1.) Introduction and Background:

The Greene County Highway Department is requesting capable design firms to submit their qualifications and credentials for the preparation of final design plans and documents for the “Kansas Extension” project.

This project will extend the existing Kansas Expressway corridor south of its present termination point at Republic Road by approximately 2.3 miles to a new intersection with Farm Road 190 (the future East/West Arterial), located immediately south of Steinert Road.

In 1984, Greene County and the City of Springfield began developing a conceptual plan for a future north/south corridor on the south side of Springfield that would improve mobility, reduce congestion, and provide future opportunities for new development in the region. Three years later, Greene County approved a formal recommendation to include the extension of Kansas Expressway south of Republic Road as part of the region’s Major Thoroughfare Program.

By 1990, the Springfield Department of Community Development and Greene County Planning Department had joined forces to compile a study that compared several roadway alignment alternatives for the future Kansas Extension corridor. Based on the conclusions and recommendations that were yielded from these transportation planning efforts, the Greene County Commission formally adopted a proposed roadway alignment for the Kansas Extension corridor in July of 1990.

Throughout the mid-90’s, Greene County hosted a series of public meetings with local residents and developers to discuss further refinements of the proposed Kansas Extension roadway alignment. Utilizing the comments and information shared through these public meeting forums, Greene County adopted and mapped a final roadway alignment for the Kansas Extension project in order to protect the viability of this roadway corridor for future construction.

Preliminary survey and engineering design work for this roadway project began back in the mid-90’s as the county was investigating various alignment options for the future roadway. By April of 2003, Greene County had executed a design contract with Scott Consulting Engineers (SCE) to complete the preliminary roadway design for the Kansas Extension corridor from

Republic Road to Farm Road 186 (Steinert Road). In February of 2004, an environmental assessment was also performed by Leigh Environmental LLC of Nixa, MO to investigate potential environmental impacts along the future corridor from Republic Road to south of Steinert Road (Farm Road 186).

To date, Greene County has acquired approximately 90% of the right-of-way that will be needed to construct the proposed Kansas Extension project between Republic Road and Farm Road 190. A map showing Greene County's acquired right-of-way has been included in Appendix A for informational purposes.

It is now the county's intent to select a design consultant to assist in developing the necessary final design documents and plans required to begin the phased construction of this roadway project.

2.) Purpose and Intent:

The Greene County Highway Department desires to develop a set of final engineering design plans to be used for the construction of the new Kansas Extension corridor from Republic Road to the intersection of the future East/West Arterial roadway (Farm Road 190) located just south of Steinert Road. The final design plans will include intersection improvements at each of the major intersecting roadways, including the existing intersection of Republic Road at Kansas Expressway. Project design will also include a roadway connection between the new Kansas Extension and FR 141 at the south terminus of the project limits.

The following goals have been established for this roadway design project:

- 1.) Complete a formal Environmental Assessment (EA) for the proposed roadway corridor in compliance with the National Environmental Policy Act (NEPA) in order to maintain eligibility for the use federal funding on this project.
- 2.) Determine a cost-effective approach for phasing and implementing the construction of this new roadway in order to maximize user benefits while allowing consideration for Greene County budgetary constraints.
- 3.) Engage stakeholders and the community in order to successfully develop and deliver the project while minimizing negative impacts.
- 4.) Coordinate project design elements with Greene County, City of Springfield, and MoDOT to ensure that:

- a. Required design criteria is in compliance with FHWA standards and specifications for federal aid projects
 - b. Corridor design provides continuity across any jurisdictional right-of-way boundaries for simplified maintenance operations
 - c. Design elements utilize current MoDOT standards for roadway and structural design features
- 5.) Achieve a Disadvantaged Business Enterprise (DBE) program goal of 14% for this roadway design project.

3.) Project Scope of Services:

The required design services for this project are anticipated to include the following items, but will not necessarily be limited to this prescribed scope.

- a.) Review of existing project data, including September 2003 Preliminary Design Plans developed by SCE (Attachment B)
- b.) Surveying
- c.) ROW / Easements
- d.) Roadway geometry and pavement design work
- e.) Pedestrian accommodation facilities design
- f.) Structural design work
- g.) Geotechnical investigations
- h.) Environmental & cultural resource assessment work (NEPA)
- i.) Hydraulic and hydrologic analysis
- j.) Traffic control engineering
- k.) Utility plans and coordination
- l.) Stormwater drainage design
- m.) Public Involvement planning support
- n.) Engineering design support during construction phase

4.) Desired Project Schedule:

- 1.) National Environmental Policy Act (NEPA) Approval – To be completed within 8 months following engineering contract approval
- 2.) Preliminary & Right of Way Plan Submittal – To be completed within 4 months following NEPA approval
- 3.) Plans, Specifications, and Estimate (PS&E) Approval – To be completed within 10 months following Preliminary & Right of Way Plan Submittal

- 4.) Advertisement for first phase of Construction Letting – To be completed within 2 months following PS&E Approval
- 5.) First phase Construction Contract Award – To be completed within 2 months following advertisement of construction letting

5.) Proposal Submission Requirements:

Each design firm's submittal shall include the following:

- 1.) Cover Letter (1 page maximum)
- 2.) Title Page (1 page maximum)
- 3.) Table of Contents (1 page maximum)
- 4.) Expertise and Technical Competence: Provide a summary of the professional and technical qualifications of personnel expected to be assigned to the project along with a work chart identifying their anticipated responsibilities on this project (4 page maximum).
- 5.) Relevant Project Experience (2 page maximum for each project listed; please limit total submittal to 4 projects or less): Identify specific experience on similar projects related to this type of work. Each project should provide the following information:
 - a.) Name, address, and telephone numbers of contact persons for whom the work was performed
 - b.) Your firm's personnel and their responsibilities on the project
 - c.) Initial cost of design contract and final cost of the design contract. Explain any increase in cost.
 - d.) Original construction cost estimate, construction contract amount, and final cost of construction.
 - e.) A description of the work that your firm completed and how it relates to this proposal. Include any innovative solutions that were utilized to complete the project.
- 6.) Project understanding and proposed design approach (4 pages maximum): Identify the firm's understanding of the project, risks, challenges, and strategy that will be employed to complete the project on time and under budget. Include any innovations which might lead to overall cost savings and/or increased taxpayer value for this project.
- 7.) Project schedule and milestones to be achieved (2 page maximum): Submit a proposed project schedule/timeline which identifies how your firm's work plan will be targeted towards meeting and/or exceeding the

County's desired project schedule (as referenced in Section 4 of this document).

- 8.) Public involvement plan proposal: The firm shall propose a plan that is directed at keeping the public informed and involved throughout the design project (2 page maximum)
- 9.) Availability: The firm shall indicate their level of current and projected workload. List current and projected projects for each staff member that was identified in your work chart - referenced in Item 4 above. (1 page maximum)

NOTE: A page is defined as 8 1/2-inches by 11-inches and printed on one side.

6.) Selection Criteria:

Pursuant to the Brooks Act for Consultant Selection, Greene County will utilize the following scoring criteria in order to select an engineering firm to complete the requested design services:

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| 1.) Expertise and Technical Competence | 20 Max Points |
| 2.) Relevant Project Experience | 30 Max Points |
| 3.) Project Understanding & Proposed Design Approach | 40 Max Points |
| 4.) Project Schedule & Milestones | 15 Max Points |
| 5.) Public Involvement Plan Proposal | 20 Max Points |
| 6.) Availability | 25 Max Points |

Maximum Score = 150 Points

7.) Greene County Contact Information:

Please direct all questions to:

Adam Humphrey, P.E.
Chief Engineer
PHONE: 417-829-6536
EMAIL: ahumphrey@greencountymo.org

Submit four (4) complete proposals and one (1) electronic proposal in pdf format by 4:00pm, June 19, 2015 to:

Adam Humphrey, P.E.
Chief Engineer
Greene County Highway Department
2065 N. Clifton
Springfield, MO 65803