

## REQUEST FOR PROPOSALS FOR PROFESSIONAL ENGINEERING SERVICES

The City of Sioux Falls, South Dakota, is accepting proposals from qualified firms for the following professional engineering design services.

- **SOUTHEASTERN AVENUE: JACKSON STREET (APPROXIMATELY 700 FEET NORTH OF 69<sup>TH</sup> STREET) TO UNNAMED COLLECTOR STREET, APPROXIMATELY ¼ MILE SOUTH OF 69<sup>TH</sup> STREET, AND**
- **69<sup>TH</sup> STREET FROM TANNER AVENUE (¼ MILE WEST OF SOUTHEASTERN AVENUE) TO UNNAMED COLLECTOR STREET, APPROXIMATELY ¼ MILE EAST OF SOUTHEASTERN AVENUE, AND**
- **A MULTI-LANE ROUNDABOUT AT 69<sup>TH</sup> STREET AND SOUTHEASTERN AVENUE**

The City of Sioux Falls has received a petition from adjacent property owners to construct Southeastern Avenue from Jackson Street to approximately ¼ mile south of Southeastern Avenue and 69<sup>th</sup> Street from Tanner Avenue, ¼ mile west of Southeastern Avenue, to ¼ mile east of Southeastern Avenue.

The Sioux Falls Capital Improvements Program Committee and the Sioux Falls City Council have recommended this project be designed and constructed in the 2009, pending available funding. In addition, the Metropolitan Planning Area Long Range Transportation Plan (LRTP) is the comprehensive document that strives to preserve the quality of life and economic vitality by providing guidelines for a safe and efficient transportation system. In a Market Research Analysis conducted to support the LRTP, public survey results indicated that preservation of access across the City is a top concern. The 69<sup>th</sup> Street and Southeastern Avenue corridors are two of the most important transportation corridors in the City of Sioux Falls.

The City intends to design and construct a four-lane, asphalt section on both Southeastern Avenue and 69<sup>th</sup> Street. The section will also contain a center median, right turn lanes, and a multi-lane roundabout. Both streets exist today as two-lane rural sections with approximately 1,000 vehicles per day. The 2025 traffic forecasts are approximately 12,000 vehicles per day.

1. Scope of work is as follows, but is not limited to:
  - A. **Water main:** Approximately 3,000 feet of a new 16-inch water main will be installed in Southeastern Avenue and 69<sup>th</sup> Street. Conflicts with the existing Lincoln County Rural Water System should be anticipated on 69<sup>th</sup> Street.

- B. **Sanitary Sewer:** The need for frontage sanitary sewer in Southeastern Avenue, north of 69<sup>th</sup> Street, will need to be evaluated. There will be an 8-inch sanitary sewer crossing approximately a ¼ mile south of 69<sup>th</sup> Street in Southeastern Avenue. Coordination with the Hayes family is required to determine any additional sanitary sewer needs for this project.
- C. **Storm Sewer:** The street drainage system in Southeastern Avenue and 69<sup>th</sup> Street will be installed with the project. The selected consultant should expect to investigate if BMP treatment is needed for this project. The selected consultant will be required to work with all the necessary agencies to receive approvals associated with the project.
- D. **Lights:** Install new streetlights, wire, conduit, and footings along the corridor.
- E. **Traffic and Transportation Planning:** Install 2-inch traffic signal innerduct with 18-inch junction boxes along corridor. The traffic sign locations will be designed by the selected consultant using the guidelines set in the new City of Sioux Falls Supplemental Specifications.

This design project will include the built-out lane configurations at the intersections of 69<sup>th</sup> Street and Southeastern Avenue, 69<sup>th</sup> Street and the ¼-mile collector street east of Southeastern Avenue, 69<sup>th</sup> Street, and the ¼-mile collector street south of 69<sup>th</sup> Street on Southeastern Avenue. A Traffic Impact Study for this area is available for review by appointment. Coordination with the 69<sup>th</sup> Street Railroad Overpass project is required with this project.

The consultant must show experience in traffic signals, fiber optics, and associated equipment design. The consultant will be required to show experience with at least three traffic signal installation related projects in the proposal. In addition, experience in transportation planning for access management and intersection capacity should be documented and shown in the proposal.

The design will include a multi-lane roundabout at 69<sup>th</sup> Street and Southeastern Avenue. The consultant must show experience in multi-lane roundabout design, construction, and public education.

- F. **Sidewalk:** Sidewalk will be installed on both sides of the corridor and meet accessibility standards. All sidewalk is to be separated from the street with a boulevard.

- G. **Street Section:** For Southeastern Avenue and 69<sup>th</sup> Street, the design consultant should consider a 6-inch asphalt section over a 12-inch gravel base. A median section is proposed on both sections. Median irrigation and a landscaping plan shall be included in the design. A roundabout landscaping plan shall also be included in the design. The design speed is 45 miles per hour.

Deceleration lanes and right turn lanes should be planned for at the access locations. Right-of-way is to be dedicated by the land owner for these lanes. Development plans and final elevations should be considered during this design.

These sections of 69<sup>th</sup> Street and Southeastern Avenue have the access category Arterial II, as described in Chapter 8 of the Sioux Falls Engineering Design Standards. The full access locations are at Jackson Street, the ¼-mile collector street east of Southeastern Avenue, and the ¼-mile collector street south of 69<sup>th</sup> Street. There is a partial access that may be allowed according to the Traffic Impact Study. The selected consultant will assist in preparing access permits for these access locations.

- H. **Public Involvement:** Two public open houses are expected for this project. The first should occur during March 2009 and the second should occur at 90% plans. The consultant will be expected to reserve a meeting location, prepare exhibits, send out the meeting information, provide meeting minutes, and attend both meetings. The meeting location should be a public facility.

Individual meetings with emergency services providers should be planned to discuss the typical section. In addition, coordination with Sioux Falls Christian, the University of Sioux Falls, Lincoln County, the Springdale Township, and private utility companies is required.

In addition to the normal public involvement, a public education campaign on how to use a multi-lane roundabout is required. Brochures and assistance with scripting a “how to” video will be included in the scope of work. Any ideas the design consultant has from past experiences and projects will be considered.

- I. **H-Plats:** The consultant will be required to prepare H-plats and temporary construction easements and attend right-of-way land owner meetings. There are approximately 10 parcels along this corridor.

- J. **Schedule:** The consultant should assume a notice to proceed on the first phase by December 15, 2008. The consultant should also assume that the project is constructed in 2009.

The consultant should propose a schedule they feel best represents their amount of effort available for the project. Milestones to be considered are: Preliminary plans and cost estimate (30%), 90% plan submittal, and the bid opening.

**Special Note:**

This project has been approved by Sioux Falls City Council to be constructed in 2009. However, due to funding levels and priorities, this project is fifth on the priority list and may not be bid in 2009. As funding is available, projects on the priority list will be bid in the order the design is completed. The consultant should consider this aggressive schedule in their proposal.

The City Engineering Division will give direction on the construction schedule in the first quarter of 2009 when other variables with other projects are known. If construction does not occur in 2009, it is anticipated that construction will occur in 2010.

This project design agreement will occur in two phases. The proposal should be split out into two phases accordingly. The Phase 1 agreement will be executed in 2008 and will include property ownership documentation, surveying, and grade line establishment. There are no deliverables for Phase 1. The Phase 2 agreement will be executed in January of 2009 and will include the remainder of the work.

Phase 1 will be the only agreement that is executed at this time with the selected consultant.

**FIRMS INTERESTED IN PROVIDING TECHNICAL ENGINEERING SERVICES ARE REQUESTED TO SUBMIT THE FOLLOWING INFORMATION.**

- Name of Project Manager and other design team members to be assigned to this project. Please address contingency plans should one of these employees be unavailable during the design phase. The consultant should also include the Construction Administration Team that is expected with this project. No hours should be included for the construction administration phase.
- The firm's approach to the project and related experience in each of the design features required that are listed above. The approach should include, but not be limited to, all items listed above, a task list, and estimated personnel hours per task for Phase 1 and Phase 2. NO COST

ESTIMATE IS NEEDED FOR THIS SUBMITTAL.

- The firm's approach to the public involvement process.
- A proposed schedule for the project, assuming there is available funding for construction in 2009.

Professional liability insurance will be required upon selection.

## **EVALUATION OF PROPOSAL SCHEDULE**

A consultant selection team comprised of Sioux Falls Public Works and Planning staff shall review the proposals and select the firm they feel will supply the City the best and most complete project.

The evaluation of proposal shall proceed on the following schedule:

October 31, 2008	Request for Proposal posted on website
November 21, 2008	Proposals received at City Hall

Please furnish **five** copies of the proposals to Ms. Shannon Ausen, PE, Office of Public Works-Engineering, 224 West Ninth Street, Sioux Falls, SD 57104-6407 by 2:00 p.m. Central Time, **Friday, November 21, 2008**. Submittals received after the stated time will be returned unopened and will not be considered. Interviews may be needed depending on the selection committee's evaluation.

All proposals received by the City will be **confidential**.

**All Questions regarding this proposal are required to be submitted by email or phone** to Shannon Ausen at [sausen@siouxfalls.org](mailto:sausen@siouxfalls.org) or 367-8601. Emails and voicemail will be checked daily for questions and will be answered within 24 hours and posted to the City's website on the Request for Proposals web page. Deadline for questions is 2:00 Central Time, Wednesday, November 19, 2008.

**One hour appointments** to review information can be scheduled by contacting Julie Wilson at 367-8601.