

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: 18TH STREET TO 26TH STREET

The Southeastern Avenue Corridor is a main arterial from the connecting the southeast part of the City to the Downtown Area via River Boulevard and 14th Street. This corridor continues to play a vital role in the daily commute for thousands of citizens. This corridor runs parallel to the Burlington Northern Santa Fe Rail Authority and is a link to the Sioux Falls Recreation trail.

In 2009, the City of Sioux Falls intends to reconstruct and widen Southeastern Avenue from 18th Street to 26th Street. On street parking will be removed with the project and traffic signal operations will need to be investigated to assist in improving capacity at the arterial intersections.

Items to be addressed, but not limited to, are listed below:

1. Scope of work is as follows:
 - A. **Water Main:** Replace four non-break away fire hydrants and miscellaneous adjustments. Water main in this area has no significant break history nor does it need to be upsized to increase capacity.
 - B. **Sanitary Sewer:** Remove and replace 10 feet of existing 8 inch sanitary sewer pipe (spot repair). Manholes need to be restored and reconstructed with new frames and covers.
 - C. **Storm Sewer:** New large diameter pipe crossing at 1600 Southeastern Avenue. In addition, railroad ditch clean up will also be needed, which will require obtaining a railroad right-of-way permit and coordination. New inlets and additional piping along the railroad ditch north of major culvert crossing may be required. Wetland permitting may be required if areas are determined to be jurisdictional.

Preliminary engineering has determined the large diameter crossing will be twin 9 feet by 6 feet box culverts and one additional 48 inch pipe to be bored under the railroad tracks. However, consultant should expect to do XPSWMM modeling to confirm and or make changes to this design.

- D. **Lights:** Existing street lights are on wood poles. Therefore new street lights, wire, conduit, and concrete footings will need to be installed along the corridor.
- E. **Traffic/Transportation Planning:** Install 2-inch traffic signal innerduct conduit with 24-inch junction boxes spaced approximately 1000 feet apart from 18th Street to 26th Street. Install 2 fiber optic bundles, one for traffic signals and one for Information Technology.

Modify traffic signal in the northwest corner of 18th Street and Southeastern Avenue. Turning movement counts, traffic counts, and traffic projections will be provided by the City Engineering Division to the consultant upon selection. An on street parking study between 18th Street and 26th Street will be conducted by City Engineering personnel and provided to the consultant.

A traffic operations analysis is required to be completed for the 18th Street and Southeastern Avenue intersection. Preliminary investigation shows the need for a double northbound to westbound left turn lane. Confirmation and exploration of other capacity improvements should be analyzed. The consultant will also be analyzing the traffic signal operations at 26th Street and Southeastern with the assistance of the Traffic Engineering team to see if there are any additional improvements needed at the intersection. Coordination with the Burlington Northern Santa Fe Rail Authority is critical in this evaluation.

A crash analysis needs to be conducted for this corridor which includes the intersections of 26th Street and Southeastern Avenue and 18th Street and Southeastern Avenue. The crash information will be provided by the City Engineering Office and will cover a three year period. A technical memorandum will need to be prepared detailing any recommendations to be incorporated into the design.

- F. **Sidewalk:** Sidewalk is required to be installed along the east side of the street and will be assessed back to the property owner. Consultant will evaluate whether sidewalk on the west side of the street is feasible. Consultant will need to assist project manager on preparing the assessment resolution. All sidewalk installed is required to meet ADA standards.
- G. **Street Section:** Street section will consist of 6 inches of asphalt concrete composite (ACC) over 12 inches of gravel.

Right-of-way widths will need to be researched and verified by the Consultants during design.

- H. **Private Utility Companies:** Early Coordination with private utility companies is needed to allow the companies to plan their work.
- I. **Public Involvement:** The consultant should anticipate three public meetings for this project. The first should occur during the fall of 2007, and the second should occur in summer of 2008, when design is nearing completion. The last meeting should after the contract is awarded and prior to the start of construction. Consultant will be expected to reserve a meeting location, prepare exhibits, send out the meeting information, and attend the meetings.

Coordination with Burlington Northern Santa Fe Rail Authority will also be required for this project.

- J. **H Plats:** Consultant will be required to prepare H-plats and temporary construction easements and attend right-of-way land owner meetings. It is estimated there will be 20 parcels impacted for temporary construction easements. Right-of-way plat needs are unknown however; preliminary analysis shows that additional right-of-way may be required near the intersection of 18th Street and Southeastern Avenue.

Permits will be needed to work in the right-of-ways for the rail authority and the South Dakota Department of Transportation.

- K. **Schedule:** Preliminary cost estimate and preliminary plans to be completed by January 2008 for budgeting purposes. Right-of-way negotiations need to begin by July 2008. Final plans and right-of-way should be completed by November 2008. Plans to be submitted for a bid opening in January 2009.

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 firm's approach to the project. The approach should include, but not limited to, all items listed above, a task list, and estimated personnel hours per task.
- The firm's approach to the public involvement process.

- A proposed schedule for the project.
- Recent innovative projects pertinent to this project and any examples of similar projects in other cities in the United States that the consultant was involved with.

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:

May 4, 2007	Request for Proposal posted on website
May 25, 2007	Proposals received at City Hall
June 6, 2007	Select consultant, prepare agreement, Notice to Proceed

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, May 25, 2007**. Submittals received after the stated time will be returned unopened and will not be considered.

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

Questions regarding the proposal can be directed to City Engineering Representatives at 367-8601.