



Item: Engineering Professional Services Agreement Award: 18th Street South Storm Drain Improvements, O.F. 1462

From: Engineering Division

Initiated By: Public Works Department

Presented By: Jim Rearden, Public Works Director

Action Requested: Consider proposal and approve contract.

Suggested Motion:

1. Commissioner moves:

“I move the City Commission award a contract in the amount of \$556,000.00 to Thomas Dean & Hoskins, Inc. (TD&H) for Engineering Services associated with the 18th Street South Storm Drain Improvements, O. F. 1462, and authorize the City Manager to execute the construction contract documents.”

2. Mayor calls for a second, discussion, public comment, and calls the vote.

Staff Recommendation: Approve Engineering Professional Services Agreement.

Background:

Significant Impacts

Engineering services provided by TD&H will analyze deficiencies in the storm water drainage system at the intersection of 15th Avenue South and 23rd Street South and at 11th Alley South between 18th Street South and 19th Street South. A storm water model of the approximately 1,500 acre drainage basin will be created to evaluate runoff sources and quantities and to determine methods of conveying the storm water to the existing large piping located at the intersection of 18th Street South and Central Avenue. A conveyance alignment will be selected and TD&H will provide plans and specifications for the upsizing of existing storm mains plus the installation of new storm mains.

Citizen Participation

Inadequate drainage has negatively impacted residences and commercial properties in this basin and has prompted an accelerated schedule for an engineering analysis and project design. The surveying efforts and storm drain data collection will have minimal impacts on traffic and access to residences and business in the study area.

Workload Impacts

Engineering analysis, design phase engineering and plans and specifications will be completed by TD&H with direction from City engineering staff. City staff will provide infrastructure information, plan review, and inspection and administration during the construction phases of the project.

Purpose

Deficiencies in the existing storm water drainage system in areas surrounding the University of Great Falls, south of 10th Avenue South, have prompted the City to evaluate potential solutions. A large diameter segment of main exists under 10th Avenue, though storm drain pipe to the north and south of 10th Avenue is undersized. Larger main is also in place at the intersection of 18th Street and Central Avenue. This existing infrastructure can be incorporated into the design of an upsized storm drain system to better convey storm water runoff from the southern areas of this basin. The engineering analysis provided in this contract will identify the design parameters for an improved storm water collection system.

Project Work Scope

TD&H will assist the City of Great Falls by analyzing storm water runoff and storm drain system capacity for the approximately 1,500 acre basin serving the south side of Great Falls, south of Central Avenue. Following the storm water modeling and storm infrastructure sizing confirmation, TD&H will complete two phases of preliminary design, final design, bidding and record drawing preparation.

Evaluation and Selection Process

TD&H was selected for the engineering study and improvements design in accordance with the City's Architect, Engineer and Surveyor Selection Policy.

Conclusion

City staff recommends awarding the Professional Services Agreement to TD&H in the amount of \$556,000.00

Fiscal Impact:

Results from the engineering survey will provide designs to improve the storm drainage such that damage to private property is much less likely and thus reduce the risk of insurance claims.

City storm drain funding is programmed to fund the project cost. The attached Professional Services Agreement summarizes the project costs.

Alternatives:

The City Commission could vote to disapprove of the Professional Services Agreement.

Attachments/Exhibits:

1. Professional Services Agreement (Not Available Online - Available in the Clerk's Office)