

May 16, 2016

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT

Resolution No. 9100, authorizing execution of a professional services agreement with CHS Engineers, LLC for engineering services for the Storm Trenchless Repairs 2016 – Design, Surveying, Permitting and Assistance during Construction Services, in the amount of \$339,221 (CIP Plan No. D-64).

FISCAL IMPACT

This contract obligates the City to an amount up to \$339,221. This work is included in the 2015-2021 Utility CIP Plan. Sufficient budget exists within the Storm Water System Conveyance Infrastructure Rehabilitation (CIP Plan No. D-64), to fully fund this contract.

STAFF CONTACT

Nav Otal, Director, 452-2041

Paul Bucich, Assistant Director of Engineering, 452-4596

Utilities Department

POLICY CONSIDERATION

Utilities Department policies:

- The Utility shall identify drainage capital projects that prevent or reduce flooding or property damage, protect or improve water quality, and maintain or improve the reliability and integrity of the drainage system.

Utilities Department practice:

- Rehabilitate or replace deteriorated elements of the Storm and surface water system. CIP Plan No. D-64 has been designated to do this.

City contracting policies:

- Bellevue City Code 4.28.030: The City's procurement policy, updated January 1, 2015, supports open, fair, and transparent procurement of services in accordance with the City Code and state law. Because of the amount of this contract, Council approval is required.

BACKGROUND

As the City's utility infrastructure ages, pipelines, catch basins and other system components have deteriorated to the point that some components are at risk of failing. Repair of these critical facilities is needed to prevent failures that could result in increased flooding, sewer backup and water quality complaints, as well as to reduce maintenance costs.

Locations for system repairs or rehabilitation are identified by the City's condition assessment program. Based on the recent data and increased budget for video inspection programs, on an average approximately 35-45 repair sites per year are found through video inspection of pipelines, or through investigations made by staff when flooding or backup conditions reported by citizens or observed by staff in the field. The consultant under this agreement will perform engineering services required to complete the design and prepare plans and specifications for repair work to be constructed using trenchless methods by contractors selected through public works contracts. These services will include

trenchless evaluation, surveying, design, permit acquisition, and technical services during bidding and construction. In some cases additional services such as assistance with easement acquisition and geotechnical investigations may be needed. Examples of repair work to be designed in 2016 includes relining of a 42-inch diameter and 100 linear-foot pipe across SE 41st place and several other spot lining and full length lining at various locations.

A selection team identified five consultants from the City's Shared Procurement Roster Statements of Qualifications (SOQs). The qualification standard was project and personnel expertise in the following criteria:

- Experience in design and preparation of utility trenchless repair contracts.
- Experience working with municipal and regulatory agencies.
- Ability to meet required deadlines.
- Ability to assign a consistent project team through each project completion.
- Experience working with private property owners to minimize impacts to private property.
- Experience in analysis, design and specification of trenchless technologies.
- Experience in obtaining temporary construction and permanent easements.
- Experience in obtaining permits for construction of sanitary sewer and storm drainage infrastructure.

The five consultants listed below were asked to submit additional qualification for Utilities Trenchless Repair Design:

- CHS Engineers, LLC
- AECOM
- Tetra Tech, Inc.
- Jacobs Associates
- Harris and Associates.

Three out of the five firms, CHS Engineers, AECOM and Tetra Tech, submitted SOQs. CHS Engineers was selected based on the firm's extensive experience in design and contract preparation of trenchless utility repair contracts, use of creative repair solutions using trenchless technologies, and excellent references from their clients.

As required by state law relating to contracts for architectural and engineering services, the City selects the consultant deemed to be the most highly qualified for a given project. State law precludes using cost as a basis for selection of engineering firms.

EFFECTIVE DATE

If adopted, this Resolution will become effective immediately.

OPTIONS

1. Adopt the Resolution authorizing execution of a professional services agreement with CHS Engineers, LLC for engineering services for the Storm Trenchless Repairs 2016 – Design, Surveying, Permitting and Assistance during Construction Services, in the amount of \$339,221 (CIP Plan No. D-64).
2. Do not adopt the proposed Resolution and provide alternative direction to staff.

RECOMMENDATION

Option No. 1.

MOTION

Move to adopt Resolution No. 9100, authorizing execution of a professional services agreement with CHS Engineers, LLC for engineering services for the Storm Trenchless Repairs 2016 – Design, Surveying, Permitting and Assistance during Construction Services, in the amount of \$339,221 (CIP Plan No. D-64).

ATTACHMENTS

A: CIP Project Description

B: Proposed Resolution No. 9100

AVAILABLE IN COUNCIL DOCUMENT LIBRARY

Consultant Contract