

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT

Resolution No. 8397 authorizing execution of a professional services agreement for the Valley Creek – NE 21st Street Flood Control Design and Permitting Project with SAIC Energy, Environmental & Infrastructure, LLC., for engineering services, in the amount of \$320,000 (CIP Plan No. D-94).

FISCAL IMPACT

This contract obligates the City to an amount up to \$320,000. This contract will be funded from the Utilities CIP Plan No. D-94, Flood Control Program. This work was included in the 2011-2017 Utilities CIP budget; there is adequate budget remaining to fund this contract.

STAFF CONTACT

Michael Jackman, Interim Deputy Director, 452-6012
Wes Jorgenson, Assistant Director, 452-4887
Utilities Department

POLICY CONSIDERATION

It is the policy of the Utilities Department to identify and implement capital projects via the CIP 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.

The 2011-2017 CIP Plan identifies the need to prevent or reduce flooding and associated property damage. CIP Plan No. D-94 has been designated to do this.

BACKGROUND

Valley Creek, in the vicinity of NE 21st Street and 140th Avenue NE Street, experiences flooding that affects streets and nearby properties. SAIC, Inc. was selected in 2011 to provide analyses, design and permitting services for the Valley Creek – NE 21st Street Flood Control project. The purpose of the project is to implement a solution that will significantly reduce or prevent recurring flooding at this location.

A pre-design study was done to assess the contributing factors and possible alternatives to remedy the flooding. The recommended solution includes a suite of actions:

- Replace the NE 21st Street culvert so that Valley Creek flows are accommodated;

- Restore stream and channel geometry between NE 21st Street and NE 20th Street to improve stream hydraulics and lower normal water surface elevation so that bypass overflow is engaged less frequently;
- Revise the outlet from the Valley Creek regional pond at NE 24th Street to increase low flows and minimize overflows at NE 21st Street;
- Optimize the overflow structures at NE 21st Street to the existing bypass pipeline.

This proposed agreement is for design and permitting of the recommended alternative. Included will be preparation of plans, specifications and a cost estimate for the recommended solution. The City will also be conducting the necessary environmental studies/documentation and preparing City, State and Federal permit submittals. The Valley Creek – NE 21st Street Flood Control Project is scheduled to be constructed in summer 2013. The project is being designed to improve public safety and reduce the risk of property damage from flooding and associated liability. In addition to improving flood control, the project will provide improved habitat for fish and other aquatic wildlife.

The consultant selection process for this contract was consistent with the City’s policies and procedures. All consultants on the Shared Procurement Portal (SPP) with relevant experience were invited to submit a letter indicating their interest in being considered for this project. Based on the letters received and the Statement of Qualifications (SOQs) on the SPP, nine consulting firms were invited to submit targeted Request for Qualifications (RFQs) highlighting their proposed team, approach to the project and relevant project experience. The firms that submitted RFQs were Otak, Inc., Tetra Tech, Inc., Osborn Consulting, Inc., HDR Engineering, Inc., and SAIC Energy, Environment and Infrastructure, LLC. SAIC Energy, Environment and Infrastructure, LLC (formerly R.W. Beck, Inc.) demonstrated to the selection committee a proven record for designing and permitting projects of this type and was considered most qualified to perform this work. In addition, SAIC possessed technical skills, knowledge and expertise which made them the most qualified to accomplish this work and meet project schedule requirements.

As required by state law relating to contracts for architectural and engineering services, the City selects the consultant deemed to be 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 Resolution No. ~~3397~~ authorizing execution of a professional services agreement for the Valley Creek – NE 21st Street Flood Control Design and Permitting Project with SAIC Energy, Environmental & Infrastructure, LLC., for engineering services, in the amount of \$320,000 (CIP Plan No. D-94).
2. Do not adopt the Resolution and provide alternative direction to staff.

RECOMMENDATION

Adopt Resolution No. 8397, authorizing execution of a professional services agreement for the Valley Creek – NE 21st Street Flood Control Design and Permitting Project with SAIC Energy, Environmental & Infrastructure, LLC., for engineering services, in the amount of \$320,000 (CIP Plan No. D-94).

MOTION

Move to adopt Resolution No. 8397, authorizing execution of a professional services agreement for the Valley Creek – NE 21st Street Flood Control Design and Permitting Project with SAIC Energy, Environmental & Infrastructure, LLC., for engineering services, in the amount of \$320,000 (CIP Plan No. D-94).

ATTACHMENTS

CIP Project Description
Proposed Resolution No. 8397

AVAILABLE IN COUNCIL OFFICE

SAIC Energy, Environment & Infrastructure Consultants, LLC. Contract

D-64 Storm Water System Conveyance Infrastructure Rehabilitation

Category: **Storm Drainage**
 Department: **Utilities**

Status: **Ongoing**
 Location: **Various locations throughout the City**

Programmed Funding

Programmed Funding	Appropriated To Date	FY 2011 Budget	FY 2012 Budget	FY 2013 Budget	FY 2014 Budget	FY 2015 Budget	FY 2016 Budget	FY 2017 Budget
13,984,296	7,840,000	777,920	809,037	841,425	875,085	910,092	946,444	984,293

Description and Scope

This ongoing program rehabilitates or replaces defective storm drainage pipelines and ditches identified in the Utility's condition assessment program or other means. Projects are prioritized based on the severity of deterioration, the risk and consequence of failure, and coordination with planned street improvement projects. As the system ages, costs are expected to increase. The Utilities' Asset Management Program is evaluating when system replacement will require significant increases to the budget.

PROJECT NEED: System Renewal & Replacement

Rationale

Much of the storm pipe network was built before pipe material and construction standards were in place, so there is only limited information about when pipes were installed, their size and composition. Bellevue owns almost 400 miles of stormwater conveyance pipe, with limited information available to predict how long it will last. Of particular concern is corrugated metal pipe, which can completely corrode away in as little as 20 years, or if properly maintained last longer than 50 years. Pipe collapse or blockage can result in washed-out roads, flooded homes, environmental damage, and traffic disruption. This program provides for repair or replacement of defective stormwater conveyance pipes, culverts and ditches, to prevent such consequences. It proactively repairs pipes under arterials in advance of street resurfacing, saving costs and minimizing disruption. It also focuses on critical pipes where the consequences of failure would be significant.

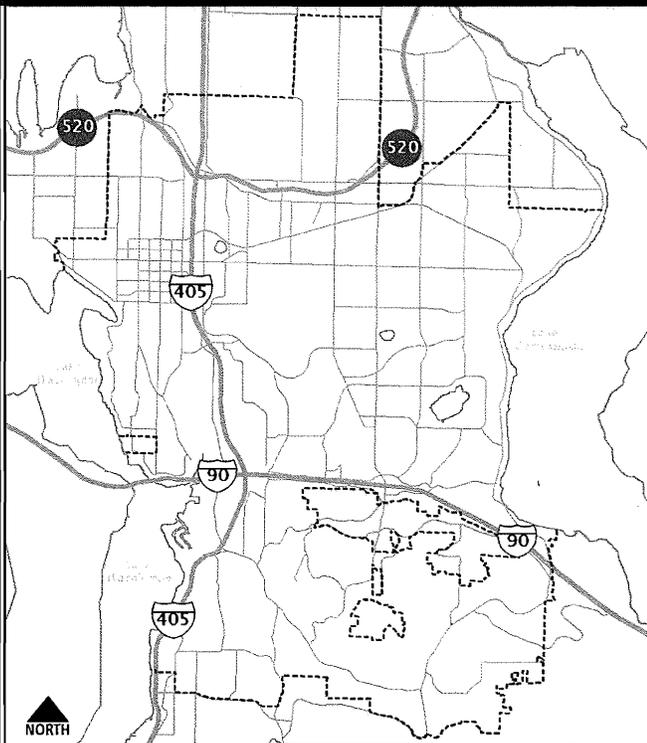
Environmental Impacts

The environmental impacts will be determined for each specific project.

Operating Budget Impacts

This project will have no impact on operating revenues (and/or) expenditures, since it replaces or repairs existing facilities.

Project Map



Schedule of Activities

Project Activities	From - To	Amount
Project Costs	1995 - Ongoing	13,984,296
Total Budgetary Cost Estimate:		13,984,296
Means of Financing		
Funding Source		Amount
Charges for Services		5,000
Judgements/Settlements		33,000
Miscellaneous Revenue		696,036
Utility Rates/Fees		13,250,260
Total Programmed Funding:		13,984,296
Future Funding Requirements:		0

This project will be located throughout the city.

CITY OF BELLEVUE, WASHINGTON

RESOLUTION NO. 8397

A RESOLUTION authorizing the execution of a professional services agreement with SAIC Energy, Environmental & Infrastructure, LLC, in an amount not to exceed \$320,000 (CIP Plan No. D-94) for engineering services for Valley Creek – NE 21st Street Flood Control Design and Permitting Project.

THE CITY COUNCIL OF THE CITY OF BELLEVUE, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The City Manager or his designee is hereby authorized to execute a professional services agreement with SAIC Energy, Environmental & Infrastructure, LLC, in an amount not to exceed \$320,000 (CIP Plan No. D-94), for engineering services for Valley Creek – NE 21st Street Flood Control Design and Permitting Project, for the Small Diameter Water Main Replacement program, a copy of which agreement has been given Clerk's Receiving No. _____.

Passed by the City Council this _____ day of _____, 2012, and signed in authentication of its passage this _____ day of _____, 2012.

(SEAL)

Conrad Lee, Mayor

Attest:

Myrna L. Basich, City Clerk