



TO: Board of Contracts and Awards
FROM: Michael P. Slevin III, P.E., Director, Environmental Services
Geoffrey M. Smyth, P.E., Division Manager, Science & Engineering
COPY: City Council, City Manager, City Clerk, SBE Coordinator, LEAP Coordinator,
Kristy Beardemphl, P.E., Project Manager, and Jessica Tonka,
Finance/Purchasing
SUBJECT: Jefferson and Hood Street Surface Water Interceptor Project – Geotechnical
Services – Contract No. 4600012612 – April 3, 2018
DATE: March 16, 2018

RECOMMENDATION SUMMARY:

The Environmental Service Department requests approval to increase and extend Contract No. 4600012612 (CW2219698) to GeoEngineers, Inc., Tacoma, WA, by \$183,200, plus applicable taxes, budgeted from the ES Surface Water Fund 4301, for geotechnical consultant services associated with the Jefferson and Hood Street Surface Water Interceptor Project. This increase will bring the contract to a cumulative total of \$373,200, plus applicable taxes.

STRATEGIC POLICY PRIORITY:

- Foster a vibrant and diverse economy with good jobs for all Tacoma residents.
- Assure outstanding stewardship of the natural and built environment.

This project will help provide the surface water capacity necessary to support future growth in the downtown Tacoma area and also help address existing surface water capacity restrictions that can lead to flooding.

BACKGROUND: Early in the planning stage of the project, the City identified that geotechnical engineering services would be required during three phases of the Jefferson and Hood Street Surface Water Interceptor Project. The City entered into a services agreement with GeoEngineers, Inc. (GeoEngineers) on April 10, 2017, in the amount of \$60,000, to compile data from existing geotechnical and environmental reports along the proposed pipe alignment. The data report, along with GeoEngineers’ technical support, was utilized in the development and implementation of the Progressive Design-Build solicitation Request for Proposals ES17-0269F, (Phase 1) for the project.

The data report prepared by GeoEngineers, revealed the potential for contaminated soil and groundwater that could have significant impact on the construction of the pipeline. Therefore, the City executed an amendment to the contract for GeoEngineers, to complete subsurface investigations during the wet season (high seasonal groundwater) to evaluate soil and groundwater conditions in these areas of concern. This amendment was executed on December 6, 2017, in the amount of \$130,000 for a new cumulative total of \$190,000.

The requested increase to this contract will allow GeoEngineers to continue to provide geotechnical consultant services to the City during the upcoming design (Phase II) and construction (Phase III) of the project. Phase II work will include additional subsurface investigation work and review of the Design Builder’s Geotechnical and Contamination Reports.



Phase III work will include providing support and technical assistance to the City during the construction phase of the project as needed.

This project will be substantial in value (estimate is approximately \$13-16 million in project costs) and will encompass a number of unique and challenging risks associated with its design and construction, specifically the presence of contaminated soil and groundwater along the pipe alignment. GeoEngineers has vast experience and local knowledge of these conditions and their technical assistance to date has been very valuable. They are uniquely qualified to continue to provide the necessary geotechnical engineering support to the City through the upcoming design and construction phases of this project.

ISSUE: Currently during intense rain events, flooding can occur in various areas of downtown Tacoma, including along Pacific Avenue. This flooding can result in property damage and disruption to traffic. Providing additional capacity to the City’s surface water system in this area in the form of a new 60-inch diameter interceptor pipe will help address the current capacity limitations and allow for future growth in the downtown area.

ALTERNATIVES: The alternative is to move forward into the design and construction phases of this contract without the skills of an experienced geotechnical engineer on the City’s internal project team. Geotechnical engineering experience with local knowledge of the subsurface conditions in the downtown Tacoma area is vital to helping manage risk on this below ground project.

COMPETITIVE SOLICITATION: The City of Tacoma solicited engineering and architectural services to develop the citywide Architectural and Engineering (A&E) Roster. Three consulting firms were selected from the A&E roster and subsequently evaluated to find the most qualified consultant for this project. This evaluation process resulted in GeoEngineers, Inc. as the most qualified.

<u>Respondent</u>	<u>Location</u> <i>(city and state)</i>	<u>Score or Rank</u>
GeoEngineers, Inc.	Tacoma, WA	1
Landau Associates	Tacoma, WA	2
GeoDesign, Inc.	Seattle, WA	3

CONTRACT HISTORY: This contract was originally awarded from the A&E roster to GeoEngineers, Inc. in April 2017, for services through December 31, 2017, in the amount of \$60,000. The first amendment to the contract was executed on December 6, 2017, extending the contract through December 31, 2018, and increasing maximum compensation to \$190,000.

SUSTAINABILITY: The construction of additional surface water capacity to help avoid future flooding represents the best solution with respect to potential impact on human health and environment.

SBE/LEAP COMPLIANCE: Not applicable.



FISCAL IMPACT:

EXPENDITURES:

FUND NUMBER & FUND NAME *	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4301-ES Surface Water Fund	ENV-03029-02	5330100	\$183,200
TOTAL			\$183,200

*Environmental Services

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4301-ES Surface Water Fund	521900	Various Rates	\$183,200
TOTAL			\$183,200

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$183,200.

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes