



TO: Board of Contracts and Awards
FROM: Michael P. Stevin 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 – Owner’s Advisor
Services – Contract No. 4600012387 – April 3, 2018
DATE: March 16, 2018

RECOMMENDATION SUMMARY:

The Environmental Service Department requests approval to increase Contract No. 4600012387 with Brown and Caldwell, Inc., Tacoma, WA, by \$341,367, plus applicable taxes, budgeted from the ES Surface Water Fund 4301, for engineering Owner’s Advisor Services associated with the Jefferson and Hood Street Surface Water Interceptor Project through 2020. This increase will bring the contract to a cumulative total of \$682,045, plus any 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: The City requires engineering Owner’s Advisory Services to assist City staff during the three project delivery phases of the Jefferson and Hood Street Surface Water Interceptor Project. The City entered into a professional services agreement with Brown and Caldwell, Inc. (Brown and Caldwell) in February 2017 to assist the City in its development and implementation of a Progressive Design-Build solicitation, Request for Proposals ES17-0269F, (Phase I). As a result of this procurement process, the City awarded a Progressive Design-Build contract to James W. Fowler (Design-Builder) to prepare the design (March 2018-June 2019) and construct the project (June 2019-July 2020); phases II and III respectively.

This increase will allow Brown and Caldwell to continue to provide engineering Owner’s Advisory Services to the City during the remaining two phases of the project. Phase II work will include oversight and review of Design Builder’s reports and design documents, cost estimating review support, and assistance with negotiation and preparation of a guaranteed maximum price to construct the project. Phase III work will include advising the City on risk, technical, and contract compliance issues during construction.

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. Brown and Caldwell has specialized experience in acting as the Owner’s



Advisor on large, complex Design-Build projects throughout the nation. The assistance provided to date by Brown and Caldwell in support of the alternative delivery procurement of this project and the preparation of the request for proposal has been indispensable. It is critical to the success of this project to maintain the continuity of the Owner’s Advisory Services supporting this project through the design and construction phases.

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 not having Owner Advisory Services during the design and construction phases of this project. This alternative would result in the City accepting additional project risk that could otherwise be mitigated by having the unique engineering skills provided by an engineering Owner’s Advisor. These unique skills include alternative delivery procurement (Progressive Design-Build), tunnel boring, risk analysis, engineering cost estimating, and geotechnical engineering.

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 Brown and Caldwell, Inc. as the most qualified.

<u>Respondent</u>	<u>Location</u> <i>(city and state)</i>	<u>Score or Rank</u>
Brown and Caldwell, Inc.	Tacoma, WA	1
CH2M Hill, Inc.	Bellevue, WA	2
Carollo Engineers	Seattle, WA	3

CONTRACT HISTORY: This contract was originally awarded from the A&E roster to Brown and Caldwell, Inc. in February 2017, and approved by the City Council February 21, 2017, per Resolution No. 39655, for services through December 31, 2019, in the amount of \$340,678.

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	\$341,367
TOTAL			\$341,367

*Environmental Services

REVENUES:

FUNDING SOURCE	COST OBJECT (CC/WBS/ORDER)	COST ELEMENT	TOTAL AMOUNT
4301-ES Surface Water Fund	521900	Various Rates	\$341,367
TOTAL			\$341,367

FISCAL IMPACT TO CURRENT BIENNIAL BUDGET: \$341,367

ARE THE EXPENDITURES AND REVENUES PLANNED AND BUDGETED? Yes