



## Legislation Text

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**File #:** 20-379, **Version:** 1

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**STRATEGIC PRIORITY:** Mobility Solutions, Infrastructure, and Sustainability  
**AGENDA DATE:** March 25, 2020  
**COUNCIL DISTRICT(S):** 2, 6, 13  
**DEPARTMENT:** Water Utilities Department  
**EXECUTIVE:** Majed Al-Ghafry

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### **SUBJECT**

Authorize Supplemental Agreement No. 2 to the professional services contract with Stantec Consulting Services, Inc. f/k/a Kellogg Brown & Root Services, Inc. for additional engineering services associated with the Bachman Dam and Spillway improvements and the dredging of Bachman Lake - Not to exceed \$1,597,688.00, from \$3,338,324.00 to \$4,936,012.00 - Financing: Water Capital Improvement E Fund

### **BACKGROUND**

The Bachman Dam and Spillway was built in 1901 and is located adjacent to the Bachman Lake Park northwest of Love Field Airport. The area is a highly utilized park with features such as a hike and bike trail, recreation center and newly planned improvements including an aquatics center, skate park and connections to adjacent green belt style recreation areas. A contract was initially awarded by Dallas Water Utilities to address structural and stability recommendations identified as part of a five-year cycle dam inspection. The contract was amended in 2011 to address additional study and design work associated with compliance with the Dam Safety Act and to design the relocation of a wastewater pipeline located in the area and crossing under the Bachman Dam. The design of the dam and spillway improvements was completed as directed at that time to meet only the existing hydraulic flows, but construction was put on-hold until the best future use of the lake could be evaluated. The pipeline relocation work continued, and construction was completed in 2015.

In 2016, the City Council authorized a Love Field / Bachman Lake Feasibility Study to investigate alternatives which could reduce flooding issues upstream and on the airport property as well as consider the needs of other departments in and around Bachman Lake. The study yielded three alternatives, and a Task Force made up of City staff and council district appointed representatives evaluated the issues and alternatives and recommended to "Maintain the Lake." This recommendation was briefed to the Mobility Solutions, Infrastructure and Sustainability Committee on April 8, 2019, who voted to approve the recommendation.

This action will authorize Supplemental Agreement No. 2 to the professional services contract with Stantec Consulting Services, Inc. f/k/a Kellogg Brown & Root Services, Inc. to update and further develop the hydrology and hydraulics of the Bachman Dam and Spillway and associated drainage areas prior to completing the final dam rehabilitation and improvement design to meet regulatory required design flood capacity. In addition, this action also includes engineering services associated with the planning, design and construction bidding for the dredging of Bachman Lake. This work will include environmental studies, Texas Commission of Environmental Quality consultation, United States Army Corps of Engineers permitting services, public relations and stakeholder engagement as well as sediment management alternatives evaluation and design.

An additional supplemental agreement to this contract is planned for later this year based on data developed from the hydrology and hydraulic updates. The future supplemental agreement will include engineering services to complete the final dam and spillway design documents, provide bid phase services, and provide additional public relations, stakeholder engagement, and permitting services associated with the construction of the dam and spillway improvements.

### **ESTIMATED SCHEDULE OF PROJECT**

Begin Services                April 2020  
Complete Services        February 2021

### **PRIOR ACTION/REVIEW (COUNCIL, BOARDS, COMMISSIONS)**

On June 28, 2006, City Council authorized a professional services contract with Kellogg Brown & Root Services, Inc. to provide engineering services, analysis, and design of the Bachman Dam and Spillway by Resolution No. 06-1688.

On December 14, 2011, City Council authorized Supplemental Agreement No. 1 to the professional services contract with Kellogg Brown & Root Services, Inc. for additional engineering and design services associated with the Bachman Dam and Spillway project by Resolution No. 11-3291.

On September 14, 2016, City Council authorized a professional services contract with CDM Smith, Inc. to provide an engineering feasibility study of the stormwater drainage at Dallas Love Field Airport as it relates to Bachman Lake by Resolution No. 16-1469.

### **FISCAL INFORMATION**

Fund	FY 2020	FY 2021	Future Years
Water Capital Improvement E Fund	\$1,597,688.00	\$0.00	\$0.00

Evaluation/Study	\$1,065,772.00
Supplemental Agreement No. 1	\$2,272,552.00
Supplemental Agreement No. 2 (this action)	<u>\$1,597,688.00</u>
 Project Total	 \$4,936,012.00

<u>Council District</u>	<u>Amount</u>
2	\$ 159,700.00
6	\$1,278,288.00
13	\$ 159,700.00
Total	\$1,597,688.00

### **M/WBE INFORMATION**

In accordance with the City's Business Inclusion and Development Plan adopted on October 22, 2008, by Resolution No. 08-2826, as amended, the M/WBE participation on this contract is as follows:

<b>Contract Amount</b>	<b>Category</b>	<b>M/WBE Goal</b>	<b>M/WBE %</b>	<b>M/WBE \$</b>
\$1,597,688.00	Architectural & Engineering	25.66%	27.85%	\$445,003.00
• This contract exceeds the M/WBE goal.				
• Supplemental Agreement No. 2 - 26.56% Overall M/WBE participation				

### **OWNER**

**Stantec Consulting Services, Inc. f/k/a Kellogg Brown & Root Services, Inc.**

David Irvine, Senior Vice President

### **MAP**

Attached