



## Legislation Text

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File #: 22-99, Version: 1

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**STRATEGIC PRIORITY:** Mobility Solutions, Infrastructure, and Sustainability  
**AGENDA DATE:** January 12, 2022  
**COUNCIL DISTRICT(S):** 2, 7, 14  
**DEPARTMENT:** Water Utilities Department  
**EXECUTIVE:** Majed Al-Ghafry

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### **SUBJECT**

Authorize Supplemental Agreement No. 1 to the professional services contract with Black & Veatch Corporation for additional construction management services associated with the construction of the Mill Creek/Peaks Branch/State-Thomas Drainage Relief Tunnel Project - Not to exceed \$6,994,000.00, from \$19,800,000.00 to \$26,794,000.00 - Financing: Flood Protection & Storm Drainage Facilities Fund (2006 General Obligation Bond Funds)

### **BACKGROUND**

On June 15, 2016, City Council authorized a professional services contract with Black & Veatch Corporation for support services associated with construction document updates and construction management services for the Mill Creek/Peaks Branch/State-Thomas Drainage Relief Tunnel Project. The project was awarded for construction on February 14, 2018 and is currently under construction with an anticipated completion in fall 2024. This project includes a deep underground storm drainage tunnel that will provide drainage and flooding relief to the lower areas of the Mill Creek watershed (around Baylor Hospital), Peaks Branch watershed (south of Buckner Park), East Peaks Branch watershed (around Fair Park area), and the Woodall Rodgers and State-Thomas area.

The drainage relief project consists of approximately five miles of 30 and 35-foot diameter storm drainage tunnel that is between 75 and 150 feet deep. It also includes an outfall structure near White Rock Creek and five intake shafts that will connect to existing storm drainage systems and collect overland floodwaters during heavy rain events as well as street and surface drainage improvements at the intake and outfall sites. Construction of the tunnel utilizes a boring machine and requires specialized construction management services due to the complexity and sophistication of tunnel construction. The construction manager and support staff minimize project risks and serve as an extension of City staff to provide professional supervision and experienced inspection of the construction.

This action will authorize Supplemental Agreement No. 1 to the professional services contract with Black & Veatch Corporation for additional construction management, contract administration and construction inspection. The construction management contract was set up based on assumptions for level of effort and completion timeframes prior to award of the construction contract and available details from the contractor on planned shifts and working hours. The construction contractor is typically working two 12-hour shifts per day six days per week during the tunnel excavation and is planning to work the same schedule during the concrete lining of the tunnel. This approach involves more hours and requires more supervision than was included in the original construction management contract. In addition, surface drainage improvements have been added to the construction contract based on existing field conditions which will require more inspection hours.

Black and Veatch Corporation has submitted an acceptable proposal to provide continued supervision, inspection, and construction management services based on the current schedule and shifts employed by the contractor. This supplemental agreement will ensure that these important services are provided throughout the currently scheduled completion of the project.

### **ESTIMATED SCHEDULE OF PROJECT**

Began Services	June 2016
Complete Services	September 2024

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

On June 15, 2016, City Council authorized a professional services contract with Black & Veatch Corporation for support services associated with construction document updates and construction management services for the Mill Creek/Peaks Branch/State-Thomas Drainage Relief Tunnel Project by Resolution No. 16-1033.

### **FISCAL INFORMATION**

Fund	FY 2022	FY 2023	Future Years
Flood Protection & Storm Drainage Facilities Fund (2006 General Obligation Bond Funds)	\$6,994,000.00	\$0.00	\$0.00

Professional Services	\$19,800,000.00
Supplemental Agreement No. 1 (this action)	<u>\$ 6,994,000.00</u>

Project Total	\$26,794,000.00
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<b><u>Council District</u></b>	<b><u>Amount</u></b>
2	\$1,888,415.00
7	\$3,147,130.00
14	<u>\$1,958,455.00</u>
Total	\$6,994,000.00

## **M/WBE INFORMATION**

In accordance with the City's Business Inclusion and Development Policy adopted on September 23, 2020, by Resolution No. 20-1430, as amended, the M/WBE participation on this contract is as follows:

<b>Contract Amount</b>	<b>Procurement Category</b>	<b>M/WBE Goal</b>	<b>M/WBE %</b>	<b>M/WBE \$</b>
\$6,994,000.00	Architecture & Engineering	25.66%*	25.76%	\$1,801,820.00
• *This item reflects previous Business Inclusion and Development Policy M/WBE goal.				
• This contract exceeds the M/WBE goal.				
• Supplemental Agreement No. 1 - 26.61% Overall M/WBE participation				
• Black & Veatch Corporation - Local; Workforce - 28.57% Local				

## **OWNER**

### **Black & Veatch Corporation**

Donnie H. Ginn, Vice President

## **MAP**

Attached