



**Action Requested/Required:**

- Vote/Action Requested
  - Discussion or Presentation Only
  - Public Hearing
- Report Date: \_\_\_\_\_  
Hearing Date: \_\_\_\_\_  
Voting Date: \_\_\_\_\_

**Department:** Community Development      **Presenter(s) & Title:** Bethany Watson  
City Engineer

**Agenda Item Title:**

Discussion on the Award of the Task Order 9 Addendum 1 for Supplemental Services for SR 20/I-575 Water Main Replacement to Black & Veatch in the amount of \$27,103.00

**Summary:**

In 2023, the City tasked Black & Veatch (B&V) to design a water main replacement project for the crossing of I-575 along State Route (SR) 20 located east of the City center. This project was identified in the Water System Master Plan from 2018 as a recommended near-term improvement to help improve the City’s water system capacity and eliminate a bottleneck in the 1292 Pressure Zone. As part of this project, B&V has been providing the following professional services: project administration and management, field investigations, permitting, and detailed design. B&V scope of work also includes providing bidding assistance. B&V is requesting approval of various supplementary services related to the design and permitting of the project that were not anticipated in the original scope of services, which includes additional GDOT meetings, denial of original planned design which led to redesign and revisions.

**Budget Implications:**

Budgeted?  Yes  No  N/A

Total Cost of Project:       Check if Estimated

Fund Source: General Fund  Water & Sewer  Sales Tax  Other:

**Staff Recommendations:**

Staff recommends Award of the Task Order 9 Addendum 1 for Supplemental Services for SR 20/I-575 Water Main Replacement to Black & Veatch in the amount of \$27,103.00

**Reviews:**

Has this been reviewed by Management and Legal Counsel, if required?  Yes  No

**Attachments:**

Task Order 7  
Proposal

**THIS SERVES AS A SUPPLEMENTAL AGREEMENT** made as of \_\_\_\_\_, between the **City of Canton, Georgia, (OWNER)** and **Black & Veatch Corporation, (Consultant)**.

**Owner** and **Consultant** have previously executed a Professional Services Agreement dated December 20, 2018 and amended February 3, 2022, that defines general terms under which **Consultant** will furnish General Consulting Engineering Services and Project Engineering Services to **Owner**. **Owner** now wishes to engage **Consultant** to provide services in connection with the Project known as Task Order to. 9 Addendum 1 Supplemental Services for SR 20/I-575 Water Main Replacement. The Scope of Services is defined in Attachment A.

The fee for these services will be a Time and Expense Amount as outlined in Exhibit A of the Professional Services Agreement. Payments will be made monthly in accordance with the number of hours worked by the personnel of **the Consultant**. The amount will not exceed amount of Twenty Seven Thousand One Hundred Three Dollars (\$27,103.00).

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

**Owner:**  
City of Canton

**Consultant:**  
Black & Veatch Corporation

Bill Grant

William J. Wells  
By (Typed Name)

Mayor  
Title

Title

Signature

Signature

Attest:

Attest:

Approved as to form

Robert M. Dyer  
City of Canton  
Attorney

## **ATTACHMENT A**

**PROPOSAL FOR**

**TASK ORDER NO. 9:  
SR 20/I-575 WATER  
MAIN REPLACEMENT  
(ADDENDUM 1)**

PREPARED FOR

**CANTON**

City of Canton

24 MAY 2024



## **Exhibit A**

### **Supplementary Scope of Services**

#### **Project Purpose**

In 2023, the City of Canton (City) tasked Black & Veatch (B&V) to design a water main replacement project for the crossing of I-575 along State Route (SR) 20 located east of the City center. This project was identified in the Water System Master Plan from 2018 as a recommended near-term improvement to help improve the City's water system capacity and eliminate a bottleneck in the 1292 Pressure Zone.

As part of this project, B&V has been providing the following professional services: project administration and management, field investigations, permitting, and detailed design. B&V scope of work also includes providing bidding assistance.

B&V is requesting approval of various supplementary services related to the design and permitting of the project that were not anticipated in the original scope of services.

#### **Supplementary Scope of Services**

B&V has provided the additional supplemental services that were not included in the original scope of work:

##### **1. GDOT Conceptual Design Proposal for 16-inch Main**

Ahead of the Georgia Utilities Permitting System (GUPS) submittal, two additional meetings were held with Georgia Department of Transportation (GDOT) to discuss permitting concerns with the proposed attachment of the 16-inch water main to the underside of the GA-20 eastbound bridge over I-575. In both meetings, GDOT indicated that B&V will need variances on the pipe size, material, vertical offset, and casing requirements. At the request of the City, B&V prepared a technical memo to support this effort in obtaining variances, which required review of GDOT bridge design policies, development of a narrative, production of graphics, and completion of a preliminary attachment design (with calculations).

GDOT subsequently rejected the proposed 16-inch DIP attachment depicted in the initial design effort (on the grounds of the bridge's limited structural capacity) and this concept cannot move forward. B&V is requesting approval of the supplementary services in preparing this memo/design package, and for producing follow-up conceptual designs (8-inch & 12-inch diameter options, other materials, and hanger spacings) in an attempt to arrive at a path forward acceptable to GDOT. The work to develop this initial memo, create follow-up concepts, and additional coordination effort was not included in B&V's scope of services.

##### **2. Revisions to Design/GDOT Permitting Documents for 8-Inch Pipe Configuration**

After the proposed 16-inch pipe attachment was not approved by GDOT, B&V revised the design to include only a proposed 8-inch main attachment and keeping the existing 8-inch main remaining in service. B&V performed a hydraulic analysis of this configuration to confirm it provides acceptable service for the water system. BV will revise the GDOT permitting documentation (memo and graphics) to accompany GUPS submittal, where the outstanding casing exception request can be

reviewed/approved. Additional hydraulics review, revisions to the memo, and revisions to the graphics were not included in BV's original scope of services.

## Exhibit B Estimated Labor Hours and Associated Fee

The following estimate of labor and fee based on billing rates are responsive to the Supplemental Services presented above. The Scope of Services and Associated Fee table shown below are authorized upon execution of this task order. If additional effort is requested, B&V will notify the City and will not proceed without written authorization (email or letter) by the City Representative.

Task Description		Senior Project Manager	Principal Engineer	Senior Engineer	Project Engineer	Staff Engineer	Senior Designer	Engineering Technician	Senior Accountant	Administrative Assistant	Total Hours	Total Subs Cost	Total Task Cost
<b>Billing Rate</b>		\$259	\$220	\$195	\$150	\$115	\$110	\$100	\$105	\$85			
<b>6.0</b>	Supplementary Services	22		7	51	80	19		4	8	191		\$27,103
<b>Project Total</b>		<b>22</b>	<b>0</b>	<b>7</b>	<b>51</b>	<b>80</b>	<b>19</b>	<b>0</b>	<b>4</b>	<b>8</b>	<b>191</b>	<b>\$0</b>	<b>\$27,103</b>

## Exhibit C Project Milestones

The updated Project Milestones are presented in the table below.

\*\* All items contingent on GDOT approval of proposed design

ID	Task Name	Duration (Calendar Days)	Gap	Start	Finish
				<b>Start Date</b>	<b>Tuesday, August 1, 2023</b>
1	<b>Preliminary Design</b>	<b>211</b>		<b>Tuesday, August 1, 2023</b>	<b>Wednesday, February 28, 2024</b>
2	Kick-off Meeting	0		Tuesday, August 1, 2023	Tuesday, August 1, 2023
3	Surveying	38	63	Tuesday, October 3, 2023	Friday, November 10, 2023
4	Prepare GDOT Technical Memorandum	82		Friday, November 10, 2023	Wednesday, January 31, 2024
5	GDOT Review**	24		<b>Wednesday, January 31, 2024</b>	Saturday, February 24, 2024
6	Meeting with GDOT	0	4	Wednesday, February 28, 2024	Wednesday, February 28, 2024
7	<b>Detailed Design</b>	<b>208</b>		<b>Wednesday, February 28, 2024</b>	<b>Monday, September 23, 2024</b>
8	60% Design	65		Wednesday, February 28, 2024	Friday, May 3, 2024
9	60% QC Review	8	3	Monday, May 6, 2024	Tuesday, May 14, 2024
10	Incorporation of 60% QC Comments	7		Tuesday, May 14, 2024	Tuesday, May 21, 2024
11	Owner Review of 60% Design/BV Revisions	14	1	<b>Wednesday, May 22, 2024</b>	Wednesday, June 5, 2024
12	GDOT Review of GUPS Permit	21		Wednesday, June 5, 2024	Wednesday, June 26, 2024
13	90% Design	28	1	Thursday, June 27, 2024	Thursday, July 25, 2024
14	90% QC Review	8	1	Friday, July 26, 2024	Saturday, August 3, 2024
15	Incorporation of 90% QC Comments	7	1	Sunday, August 4, 2024	Sunday, August 11, 2024
16	Owner Review of 90% Design	14	1	<b>Monday, August 12, 2024</b>	Monday, August 26, 2024
17	Completion of 100% & Final OPCC	26	1	Tuesday, August 27, 2024	Sunday, September 22, 2024
18	Final Submittal of Contract Documents	0	1	<b>Monday, September 23, 2024</b>	Monday, September 23, 2024
19	<b>Permitting</b>	<b>21</b>		<b>Tuesday, September 24, 2024</b>	<b>Tuesday, October 15, 2024</b>
20	Land Disturbance Permitting	21	1	Tuesday, September 24, 2024	Tuesday, October 15, 2024
21	Utility Permitting (GUPS) / Bridge**	21	-21	Tuesday, September 24, 2024	Tuesday, October 15, 2024
22	<b>Construction</b>	<b>467</b>		<b>Monday, October 28, 2024</b>	<b>Saturday, February 7, 2026</b>
23	Advertise for Construction	35	13	Monday, October 28, 2024	Monday, December 2, 2024
24	Receive Bids	0		Monday, December 2, 2024	Monday, December 2, 2024
25	Award Project	35		Monday, December 2, 2024	Monday, January 6, 2025
26	Construction NTP	0	32	Friday, February 7, 2025	Friday, February 7, 2025
27	Final Completion	365		Friday, February 7, 2025	Saturday, February 7, 2026