



# TASK AUTHORIZATION



2024-25 Grade 5 RAA Line Replacement Project - Phase I - Change Order 4

Date: February 11, 2025

VWNA Project #: RE.1660

**Activity Classification**  
(Check applicable)

**Administration**

**Engineering**

    Planning

    Design

    Construction

**Construction**

    Sanitary Sewer

    Storm Sewer

    Sanitary P.S.

    Storm P.S.

**Wastewater**

**Other (specify below)**

Proposed by: Chandrasekar Venkatraman, Veolia Water West Operating Services

Reviewed by: Jeffrey Barish, Authorized City Dept. Rep. (PO verification)

Reviewed by: City of Richmond, Finance Department

Approved by: Daniel Chavarria, City of Richmond, Public Works Director

Approval Date: 3/6/2025

Previously Authorized Amount: \$4,463,231.90

Original Line Item Approved Cost:	\$ 1,755,800.00
Approved Markup/Margin	\$ 289,707.00
Previously authorized change orders	\$ 2,417,724.90
Change Order 4	\$ 673,858.00
Approved Markup/Margin	\$ 60,647.22
<b>Total Authorized Amt.:</b>	<b>\$ 5,197,737.12</b>

### Scope of Services

Four line segments on the 2024-2025 Grade 5 RAA Project have been identified as shallow in depth, lacking sufficient coverage to comply with the City's standard specifications. This situation necessitates the use of a stronger pipe material compared to the originally planned HDPE. To address this changed condition, the use of Ductile Iron Pipe (DIP) with ceramic P401 lining was proposed to the City Engineer.

On January 23, 2025, the City Engineer approved this exception, acknowledging the need for a more robust material in these shallow segments. The increased cost of using DIP will be offset by the original cost of the HDPE which will be credited back to the City. The costs and associated credits for these four line segments are detailed on page 2.

The total additional authority requested is \$734,505.22 which includes a 9% Veolia markup and brings the total project amount authorization to \$5,197,737.12.

2024-25 Grade 5 RAA Line Repl. - Phase I - CO4	Bids/Estim.	SUBTOTAL	Veolia Markup 16.50%	Veolia Markup 9.00%	TOTAL
APB General Engineering	1,690,800	1,690,800	278,982		1,969,782
Change Order 1a	208,608	208,608	34,420		243,028
Change Order 1b	(2,540)	(2,540)	(419)		(2,959)
V.W.Housen	40,000	40,000	6,600		46,600
Questa	25,000	25,000	4,125		29,125
J Majors & Associates (CO 1c)	19,240	19,240	3,175		22,415
Change Order 2	206,296	206,296	34,039		240,335
Change Order 3 (@ 16.5%) see pg. 2	1,552,356	1,552,356	256,139		1,808,495
Change Order 3 (@ 9%)	25,780	25,780		2,320	28,100
Add'l V.W. Housen (ESDC) CO3	40,000	40,000	6,600		46,600
Add'l Questa (testing) CO3	15,000	15,000	2,475		17,475
Add'l J Majors & Assoc. (public outreach)	12,220	12,220	2,016		14,236
<b>Change Order 4 @ 9%</b>	<b>673,858</b>	<b>673,858</b>		<b>60,647</b>	<b>734,505</b>
<b>TOTAL</b>	<b>4,506,618</b>	<b>4,506,618</b>	<b>628,152</b>	<b>62,967</b>	<b>5,197,737</b>

### Attachments

Copy of APB General Engineering Proposals



**TASK  
AUTHORIZATION**  
(PAGE 2 OF 2)



2024-25 Grade 5 RAA Line Replacement Project - Phase I - Change Order 4

Date: February 11, 2025

VWNA Project #: RE:1660

**Scope of Services**

(CONT.)

**2024-25 GRADE 5 RAA LINE REPLACEMENT - CHANGE ORDER REQUEST SUMMARY - Ductile Iron Pipe replacement**

		Approximate length (linear feet)			
PCO #17	F8SF202_F7MH2732	Line Segment #16 - 407 Nevada Ave.		\$	214,246.00
		Credit for the Original Line Item	316 lf	\$	(61,048.00)
PCO #18	G7MH743_F7MH745	Line Segment #18 - Terrace Ave.	476 lf	\$	299,124.00
		Credit for the Original Line Item		\$	(90,928.00)
PCO #19	G7MH2736_G7MH668	Line Segment #23 - Scenic Ave.	221 lf	\$	160,307.00
		Credit for the Original Line Item		\$	(36,610.00)
PCO #20	G7SF234_G7MH2736	Line Segment #24 - Scenic Ave. 2	410 lf	\$	270,972.00
		Credit for the Original Line Item		\$	(82,205.00)
				Subtotal	\$ 673,858.00
				Veolia Markup at 9%	\$60,647.22
				<b>TOTAL</b>	<b>\$ 734,505.22</b>

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.17**

**Date:** February 6th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment F8SF202\_F7MH2732, approximately 316 LF, with 8" Class 50 P401 Lined Ductile Iron Pipe. Proposed cost includes all sheeting/shoring, traffic control, all excavations, off haul of spoils, sewer lateral connections, new end of the line MH, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Response to RFI #009. Due to the lack of pipe coverage, DIP with ceramic P401 lining was required.

**Requested by:** APB General Engineering

**Pricing Data:** \$214,246

**Contract Time:** 5 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.18**

**Date:** February 6th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment G7MH743\_F7MH745, approximately 476 LF, with 8" Class 50 P401 Lined Ductile Iron Pipe. Proposed cost includes all sheeting/shoring, traffic control, all excavations, off haul of spoils, sewer lateral connections, intermediate MH, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Response to RFI #009. Due to the lack of pipe coverage, DIP with ceramic P401 lining was required.

**Requested by:** APB General Engineering

**Pricing Data:** \$299,124

**Contract Time:** 5 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.19**

**Date:** February 6th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment G7MH2736\_G7MH668, approximately 221 LF, with 8" Class 50 P401 Lined Ductile Iron Pipe. Proposed cost includes all sheeting/shoring, traffic control, all excavations, off haul of spoils, sewer lateral connections, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Response to RFI #009. Due to the lack of pipe coverage, DIP with ceramic P401 lining was required.

**Requested by:** APB General Engineering

**Pricing Data:** \$160,307

**Contract Time:** 5 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

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Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.20**

**Date:** February 6th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment G7SF234\_ G7MH2736, approximately 410 LF, with 8" Class 50 P401 Lined Ductile Iron Pipe. Proposed cost includes all sheeting/shoring, traffic control, all excavations, off haul of spoils, sewer lateral connections, intermediate MH, new end of the line MH, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Response to RFI #009. Due to the lack of pipe coverage, DIP with ceramic P401 lining was required.

**Requested by:** APB General Engineering

**Pricing Data:** \$270,972

**Contract Time:** 5 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner



**TASK  
AUTHORIZATION**



2024-25 Grade 5 RAA Line Replacement Project - Phase I - Change Order 3

Date: February 7, 2025

VWNA Project #: RE.1660

**Activity Classification**  
(Check applicable)

**Administration**

**Engineering**

- Planning
- Design
- Construction

**Construction**

- Sanitary Sewer
- Storm Sewer
- Sanitary P.S.
- Storm P.S.

**Wastewater**

**Other (specify below)**

Proposed by: Chandrasekar Venkatraman, Veolia Water West Operating Services

Reviewed by: Jeffrey Barich, Authorized City Dept. Rep. (PO verification)

Reviewed by: City of Richmond, Finance Department

Approved by: Daniel Chavarria  
City of Richmond, Public Works Director

Approval Date: \_\_\_\_\_

Original Line Item Approved Cost:	\$ 1,755,800.00
Approved Markup/Margin	\$ 289,707.00
Previously authorized change orders	\$ 502,818.66
Change Order 3	\$ 1,645,356.00
Approved Markup/Margin	\$ 269,550.24
<b>Total Authorized Amt.:</b>	<b>\$ 4,463,231.90</b>

Previously Authorized Amount: \$2,548,326.00

**Scope of Services**

The original scope for the 2024-25 Grade 5 RAA Replacement Project - Phase I was to replace (24) pipelines with an approximate combined length of 7,191 lineal feet in the City of Richmond. Since Construction began, however, two factors have come into play: (1) changed conditions; and (2) added lines (scope). The project has already seen a TA for Change Order 1 to add I10SF827\_I10MH2277 (476 lf) and Change Order 2 to add I13MH48\_I13SF893 (522 lf). As construction continues, and in order to meet the Baykeeper requirement of completing two (2) miles of pipe each year, additional lines have been added. This TA for Change Order 3 is comprised of thirteen (13) components resulting primarily from either added lines from the City or changed conditions. The thirteen components are summarized on page 2. With the added lines totaling over 3k lf, the total linear feet for the project becomes 11,760 lf, which is 2.23 miles and puts the City is good standing with the Baykeeper requirements. Further, due to the added lines, additional budget and authority for testing, ESDC, and outreach have been requested. The total additional authority requested is \$1,914,906.24 which includes Veolia's markup and brings the total project amount authorization to \$4,463,231.90.

2024-25 Grade 5 RAA Line Repl. - Phase I - CO3	Veolia Markup		
Bids/Estim.	SUBTOTAL	16.50%	9.00% TOTAL
APB General Engineering	1,690,800	1,690,800	1,969,782
Change Order 1a	208,608	208,608	243,028
Change Order 1b	(2,540)	(2,540)	(2,959)
V.W.Housen	40,000	40,000	46,600
Questa	25,000	25,000	29,125
J Majors & Associates (CO 1c)	19,240	19,240	22,415
Change Order 2	206,296	206,296	240,335
Change Order 3 (@ 16.5%) see pg. 2	1,552,356	256,139	1,808,495
Change Order 3 (@ 9%)	25,780	2,320	28,100
Add'l V.W. Housen (ESDC)	40,000	6,600	46,600
Add'l Questa (testing)	15,000	2,475	17,475
Add'l J Majors & Assoc. (public outreach)	12,220	2,016	14,236
<b>TOTAL</b>	<b>3,832,760</b>	<b>3,832,760</b>	<b>4,463,232</b>

**Attachments**

Copy of APB General Engineering Proposals and other backup



**TASK  
AUTHORIZATION**  
(PAGE 2 OF 2)



2024-25 Grade 5 RAA Line Replacement Project - Phase I - Change Order 3

Date: February 7, 2025

VWNA Project #: RE:1660

**Scope of Services**

(CONT.)

Finally, the Substantial Completion date has been moved to 05/01/2025, and Final Completion has been moved to 05/31/2025.

2024-25 GRADE 5 RAA LINE REPLACEMENT - CHANGE ORDER REQUEST SUMMARY					Veolia mark-up %
					(per City's approval)
PCO #3	H12MH263_H12MH268	3400 Nevin Ave - Added Intermediate Manhole	\$	9,600.00	16.5%
PCO #4	I12MH605_I12MH602	637 41st St - Added Intermediate Manhole	\$	9,600.00	16.5%
PCO #5	F10SH405_F10MH1549	1319 Marina Way South - Line abandoned properly. Credit for pipe and labor	\$	(4,850.00)	16.5%
PCO #7	Per RFI #13	(\$-7,500) credit offset by chipping existing M/H and connect HDPE pipe +\$4,960	\$	(2,540.00)	16.5%
PCO #8	G11SF941_G11MH1223	2315 Cutting Blvd. - Line abandoned properly. Credit for pipe and labor	\$	(2,610.00)	16.5%
PCO #9	I13MH48_I13SF893	516 McLaughlin - Extend line seg. by approx. 20 lf and unforeseen concrete plug	\$	25,780.00	9.0%
PCO #10	I12SF641_H12MH262	ADDED LINE - 35th Street bet. Barrett Ave. and Nevin Ave. (add'l 470 lf)	\$	204,620.00	16.5%
PCO #11	I8MH938_I8MH988	ADDED LINE - B Street bet. Barrett Ave and Nevin Ave (add'l 577 lf)	\$	231,980.00	16.5%
PCO #12	K12MH581_K12MH582	ADDED LINE - Moran Ave. (add'l 601 lf)	\$	222,274.00	16.5%
PCO #13	J11MH1891_J11MH1892	ADDED LINE - Lincoln Ave. bet. 26th & 28th Street (add'l 624 lf)	\$	242,720.00	16.5%
PCO #14	J12SF626_K12MH96	ADDED LINE - 32nd Street & McBryde Ave. (add'l 536 lf)	\$	233,038.00	16.5%
PCO #15	I10SF820_I10MH2295	ADDED LINE - 18th Street & Barrett Ave. (add'l 472 lf)	\$	217,974.00	16.5%
PCO #16	I12SF649_H12MH599	ADDED LINE - 42nd Street & Barrett Ave. (add'l 478 lf)	\$	190,550.00	16.5%
TOTAL CHANGE ORDER 3 (Const.)				<u>\$ 1,578,136.00</u>	
			<i>Breakdown of Markup</i>	\$ 1,552,356.00	16.50%
				\$ 25,780.00	9%

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No. 3**

**Date:** December 4th, 2024

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Per the response to RFI#010. An intermediate MH was needed on line segment H12MH263 to H12MH268, to comply with City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Response to RFI #010

**Requested by:** APB General Engineering

**Pricing Data:** \$9,600 Per Supplemental Bid Form

**Contract Time:** 1 Day

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract, and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No. 4**

**Date:** December 4th, 2024

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Per the response to RFI#011. An intermediate MH was needed on line segment I12MH605 to I12MH602, to comply with City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Response to RFI #011

**Requested by:** APB General Engineering

**Pricing Data:** \$9,600 Per Supplemental Bid Form

**Contract Time:** 1 Day

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract, and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No. 5**

**Date:** December 4th, 2024

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Potholing operations showed that the line segment (F10SH405 to F10MH1549) was previously capped and abandoned. Per the response to RFI #004, we are to properly abandon both line segment and the existing penetration. Credit for pipe material and a half a days' worth of labor/equipment to pull the pipe.

**Reason for Change:**

- 1) Response to RFI #004

**Requested by:** APB General Engineering

**Pricing Data:** (-\$4,850)

**Contract Time:** 1 Day

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract, and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

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Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No. 7**

**Date:** January 6th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Per the response to RFI#013. Existing 36" structure to remain and per the supplemental bid for, a Credit of (\$7,500) is due.
- 2) Per the response to RFI#013 and per confirmation during progress meeting held on 1/06/2025. APB General Engineering is to chip out the existing MH to bring new HDPE pipe into existing MH and patch existing MH as per City Standards. Cost of this work is \$4,960.

**Reason for Change:**

- 1) Response to RFI #013

**Requested by:** APB General Engineering

**Pricing Data:** (\$-2,540)

**Contract Time:** 0 Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract, and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No. 8**

**Date:** January 14th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Potholing operations showed that the line segment (G11MH1223 to G11SF941) has no active lateral. Per the response to RFI #012, we are to properly abandon both line segment and the existing penetration. Credit for pipe material and a half a days' worth of labor/equipment to pull the pipe.

**Reason for Change:**

- 1) Response to RFI #12

**Requested by:** APB General Engineering

**Pricing Data:** (\$-2,610)

**Contract Time:** 1 Working Day

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract, and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.09 R1**

**Date:** January 14th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Extending line segment (I13SF893 to I13MH48) by approximately 20' towards Barrett Ave.
- 2) Labor and equipment to chip out approximately 10' of concrete encased pipe and another set up for pipe bursting operations.

**Reason for Change:**

- 1) Homeowner request @ 513 McLaughlin St.
- 2) Unforeseen condition. Concrete encased pipe.

**Requested by:** APB General Engineering

**Pricing Data:** \$25,780

**Contract Time:** 4 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.10**

**Date:** January 16th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment I12SF641\_H12MH262, approximately 470 LF, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, traffic control, all excavation for insertion pits, sewer lateral connections, one new intermediate manhole, one end of the line manhole, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Added pipe bursting footage as requested per City of Richmond/Veolia.

**Requested by:** APB General Engineering

**Pricing Data:** \$204,620

**Contract Time:** 6 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract, and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

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APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.11**

**Date:** January 16th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment I8MH938\_I8MH988, approximately 577 LF, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, traffic control, all excavation for insertion pits, sewer lateral connections, one new intermediate manhole, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Added pipe bursting footage as requested per City of Richmond/Veolia.

**Requested by:** APB General Engineering

**Pricing Data:** \$231,980

**Contract Time:** 6 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract, and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

---

APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.12**

**Date:** February 5th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

---

Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment K12MH581\_K12MH582, approximately 602 LF, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, traffic control, all excavation for insertion pits, sewer lateral connections, intermediate MH, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Added pipe bursting footage as requested per City of Richmond/Veolia

**Requested by:** APB General Engineering

**Pricing Data:** \$222,274

**Contract Time:** 5 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

---

APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.13**

**Date:** February 5th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

---

Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment J11MH1891\_J11MH1892, approximately 618 LF, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, traffic control, all excavation for insertion pits, sewer lateral connections, intermediate MH, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Added pipe bursting footage as requested per City of Richmond/Veolia

**Requested by:** APB General Engineering

**Pricing Data:** \$242,720

**Contract Time:** 5 Working Days

---

The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

---

APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.14**

**Date:** February 5th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment J12SF626\_K12MH96, approximately 534 LF, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, traffic control, all excavation for insertion pits, sewer lateral connections, intermediate MH, new end of the line MH, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Added pipe bursting footage as requested per City of Richmond/Veolia

**Requested by:** APB General Engineering

**Pricing Data:** \$233,038

**Contract Time:** 5 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

---

APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.15**

**Date:** February 5th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment I10SF820\_I10MH2295, approximately 469 LF, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, traffic control, all excavation for insertion pits, sewer lateral connections, intermediate MH, new end of the line MH, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Added pipe bursting footage as requested per City of Richmond/Veolia

**Requested by:** APB General Engineering

**Pricing Data:** \$217,974

**Contract Time:** 5 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

---

APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

# APB

## GENERAL ENGINEERING

Lic. 1038184

**Project:** 2024-2025 RAA Line Segment Replacement

**Potential Change Order No.16**

**Date:** February 5th, 2025

**Owner:** City of Richmond/Veolia

**Phone:** (925) 989-1453

**Contractor:** APB General Engineering

**Address:** 2721 Kevin Rd.  
San Pablo, CA 94806

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Request the following change to be made to the contract:

**Description of Change:**

- 1) Remove and replace line segment I12SF649\_H12MH599, approximately 484 LF, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, traffic control, all excavation for insertion pits, sewer lateral connections, intermediate MH, new end of the line MH, utility potholing, landscape/AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

**Reason for Change:**

- 1) Added pipe bursting footage as requested per City of Richmond/Veolia

**Requested by:** APB General Engineering

**Pricing Data:** \$190,550

**Contract Time:** 5 Working Days

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The Owner and the Contractor hereby agree that this change order constitutes full and mutual accord and satisfaction for all time, all costs, and all impacts related to this revision. In accepting this change order, the Contractor agrees that it represents a full and equitable adjustment to the Contract and further agrees to waive all rights to file claim with respect to any difficulties arising from, or as a result of this change.

---

APPROVED:

\_\_\_\_\_  
Engineer

\_\_\_\_\_  
Owner

Veolia

Attention: Akash Vijay, Construction Manager

February 5th, 2025

Addendum 2: Proposed Outreach Cost Proposal for the 2024-2025 Grade 5 RAA Project

This work plan outlines the scope of services J Majors & Associates (JMA) will provide to support the 2024-2025 Grade 5 RAA Project. JMA's responsibilities will include:

- Distributing notification flyers to 24 specified addresses prior to contractor work.
- Securing signatures from residents at 3 designated Easement addresses.
- Handling administrative tasks, including meeting attendance, and preparing and printing notification and easement letters for signatures.

Please send a new proposal per the following:

**(4) Total lines are added to the project:**

**(3) Non easement Lines - 35th Street, B Street, and Barrett Street**

**(1) Emergency Easement Line - McLaughlin Street**

**Rate of Services**

**\$260/hour**

**22 hours**

**Total Estimate: \$5720**

**Total Cost - Including the Proposal dated October 29, 2024: \$24,960.**

Thank you for considering this proposal.

Sincerely,

Jacqueline Majors

J Majors & Associates

925-949-6196

Jacqueline@jmajorsandassociates.com

Veolia

Attention: Akash Vijay, Construction Manager

February 7th, 2025

### Proposed Outreach Cost Proposal for the 2024-2025 Grade 5 RAA Project

This work plan outlines the scope of services J Majors & Associates (JMA) will provide to support the 2024-2025 Grade 5 RAA Project. JMA's responsibilities will include but not limited to :

- Distributing notification flyers to specified addresses prior to contractor work includes travel time..
- Handling administrative tasks, including meeting attendance, and preparing and printing notification and easement letters for signatures if required.
- List includes the following:

1. Barrett Ave/18th Street - I10SF820\_I10MH2295
2. Barrett Ave/42nd Street - I12SF649\_H12MH599
3. McBryde Ave/32nd Street - J12SF626\_K12MH96
4. Lincoln Ave. between 26th & 28th Street - J11MH1891\_J11MH1892
5. Moran Ave - K12MH581\_K12MH582

Rate for Services

\$260/hour

25 hours (estimated)

Total Estimate: \$6,500

REVISED TOTAL: \$31,460

Thank you for considering this proposal.

Sincerely,

Jacqueline Majors

J Majors & Associates

925-949-6196

Jacqueline@jmajorsandassociates.com



# TASK AUTHORIZATION



2024-25 Grade 5 RAA Line Replacement Project - Phase I - Change Order 2

Date: December 30, 2024

VWNA Project #: TBD

**Activity Classification**  
(Check applicable)

Administration

Engineering

    Planning

    Design

    Construction

Construction

    Sanitary Sewer

    Storm Sewer

    Sanitary P.S.

    Storm P.S.

Wastewater

Other (specify below)

Proposed by: Chandrasekar Venkatraman  
Chandrasekar Venkatraman, Veolia Water West Operating Services

Reviewed by: Mary Phelps  
Jeffrey Barich, Authorized City Dept. Rep. (PO verification)

Reviewed by: [Signature]  
City of Richmond, Finance Department

Approved by: [Signature]  
Robert Armijo Daniel Chavarria  
City of Richmond, Deputy Public Works Dir./City Engineer

Approval Date: 01-02-2025

Original Line Item Approved Cost:	\$ 1,755,800.00
Approved Markup/Margin	\$ 289,707.00
Previously authorized change orders	\$ 262,483.82
Change Order 2	\$ 206,296.00
Approved Markup/Margin	\$ 34,038.84
<b>Total Authorized Amt.:</b>	<b>\$ 2,548,326</b>

Previously Authorized Amount: \$2,307,990.82

### Scope of Services

Line segment I13MH48 - I13SF893 was scheduled to be replaced as part of 2022-23 Grade 5 RAA project back in 2023, but could not be completed as the City was not able to complete the easement process. In the last several months, Veolia received numerous service calls in relation to this line segment, to which Veolia responded by cleaning from both sides of the line, but at some point could not go more than 10 feet as the line appears to be collapsed. Veolia held a meeting with the City on December 12 to discuss options for a permanent fix and presented a proposal to replace the line on December 16. On December 30, the City gave Veolia direction to submit a TA for this work using APB as the general contractor under the current Grade 5 RAA project.

The total authorization amount of this Change Order 1 TA is \$240,335, which includes Veolia's 16.5% markup for added scope. This brings the total project amount authorization to \$2,548,326.

2024-25 Grade 5 RAA Line Repl. - Phase I - CO1	Bids/Estim.	SUBTOTAL	Veolia Markup 16.50%	TOTAL
APB General Engineering	1,690,800	1,690,800	278,982	1,969,782
PCO 1	208,608	208,608	34,420	243,028
PCO 2	(2,540)	(2,540)	(419)	(2,959)
V.W.Housen	40,000	40,000	6,600	46,600
Questa	25,000	25,000	4,125	29,125
J Majors & Associates	19,240	19,240	3,175	22,415
<b>PCO 3</b>	<b>206,296</b>	<b>206,296</b>	<b>34,039</b>	<b>240,335</b>
<b>TOTAL</b>	<b>2,187,404</b>	<b>2,187,404</b>	<b>360,922</b>	<b>2,548,326</b>

### Attachments

Copy of APB General Engineering Proposal



TASK AUTHORIZATION



2024-25 Grade 5 RAA Line Replacement Project - Phase I - Change Order 1

Date: November 4, 2024

Activity Classification (Check applicable)

VWNA Project #: TBD

Administration	<input type="checkbox"/>
Engineering	<input type="checkbox"/>
Planning	<input type="checkbox"/>
Design	<input checked="" type="checkbox"/>
Construction	<input checked="" type="checkbox"/>
Construction	<input type="checkbox"/>
Sanitary Sewer	<input checked="" type="checkbox"/>
Storm Sewer	<input type="checkbox"/>
Sanitary P.S.	<input type="checkbox"/>
Storm P.S.	<input type="checkbox"/>
Wastewater	<input type="checkbox"/>
Other (specify below)	<input type="checkbox"/>

Proposed by: Chandrasekar Venkatraman  
Chandrasekar Venkatraman, Veolia Water West Oper. Services

Reviewed by: Jeffrey Barich  
Jeffrey Barich, Authorized City Dept. Rep. (PO verification)

Reviewed by: Resolution 87-24 adopted 07/02/2024. CO within budget  
City of Richmond, Finance Department

Approved by: see back 2 pages - authorization  
Robert Armijo  
City of Richmond, Deputy Public Works Dir./City Engineer

Approval Date: 12-16-24

Original Line Item Approved Cost:	\$ 1,755,800.00
Approved Markup/Margin	\$ 289,707.00
Change Order	\$ 225,308.00
Approved Markup/Margin	\$ 37,175.82
<b>Total Authorized Amt.:</b>	<b>\$ 2,307,991</b>

Previously Authorized Amount: \$2,045,507.00

Scope of Services

Per the City's direction, line segment I10SF827\_I10MH2277 (20th Street between Nevin Ave. and Barrett Ave.) is to be added to the project as additional scope. The pipe segment is approximately 476 feet in length and will be replaced along with two (2) new manholes. Also, the Contractor, APB General Engineering, has requested 15 days to be added to the project time which will move Substantial Completion from November 30, 2024 to December 15, 2024; and Final Completion will be January 14, 2025. Please refer to the PCO1 documentation attached.

Per RFI #1, the existing 36" manhole is to remain in place. This credit change to the City accounts for the manhole work which is removed from the scope. Please refer to the attached PCO2 documentation.

Additionally, and also per the City's direction, Veolia is to contract directly with J Majors and Associates for outreach needs on the project including distributing notification flyers prior to contractor work, securing signatures from residents at three designated easement addresses, and preparing and printing notification and easement letters for signatures. See attached proposal from Jacqueline Majors.

The total authorization amount of this Change Order 1 TA is \$262,483.82, which includes Veolia's 16.5% markup for added scope. This brings the total project amount authorization to \$2,307,991.

2024-25 Grade 5 RAA Line Repl. - Phase I - CO1	Bids/Estim.	SUBTOTAL	Veolia Markup 16.50%	TOTAL
APB General Engineering	1,690,800	1,690,800	278,982	1,969,782
PCO 1	208,608	208,608	34,420	243,028
PCO 2	(2,540)	(2,540)	(419)	(2,959)
V.W.Housen (design support)	40,000	40,000	6,600	46,600
Questa (testing)	25,000	25,000	4,125	29,125
J Majors & Associates (outreach)	19,240	19,240	3,175	22,415
<b>TOTAL</b>	<b>1,981,108</b>	<b>1,981,108</b>	<b>326,883</b>	<b>2,307,991</b>

Attachments

Copy of APB General Engineering PCOs 1&2  
J Majors and Associates Proposal

Signature:   
Daniel Chavarria (Dec 16, 2024 14:24 PST)

Email: Daniel\_Chavarria@ci.richmond.ca.us






# TA -2024-25 Grade 5 RAA Change Order 1 signed by Veolia

Final Audit Report

2024-12-16

Created:	2024-12-16
By:	Jeffrey Barich (Jeffrey_Barich@ci.richmond.ca.us)
Status:	Signed
Transaction ID:	CBJCHBCAABAATwV5Fi8eixMv5xYPTO3gs7sfcnGUx95

## "TA -2024-25 Grade 5 RAA Change Order 1 signed by Veolia" History

-  Document created by Jeffrey Barich (Jeffrey\_Barich@ci.richmond.ca.us)  
2024-12-16 - 10:18:32 PM GMT
-  Document emailed to Daniel Chavarria (Daniel\_Chavarria@ci.richmond.ca.us) for signature  
2024-12-16 - 10:18:42 PM GMT
-  Email viewed by Daniel Chavarria (Daniel\_Chavarria@ci.richmond.ca.us)  
2024-12-16 - 10:19:20 PM GMT
-  Document e-signed by Daniel Chavarria (Daniel\_Chavarria@ci.richmond.ca.us)  
Signature Date: 2024-12-16 - 10:24:13 PM GMT - Time Source: server
-  Agreement completed.  
2024-12-16 - 10:24:13 PM GMT



**TASK  
AUTHORIZATION**



2024-25 Grade 5 RAA Line Replacement Project - Phase I

Date: May 29, 2024

**Activity Classification  
(Check applicable)**

Administration	<input type="checkbox"/>
Engineering	<input type="checkbox"/>
Planning	<input type="checkbox"/>
Design	<input checked="" type="checkbox"/>
Construction	<input checked="" type="checkbox"/>
Construction	<input type="checkbox"/>
Sanitary Sewer	<input checked="" type="checkbox"/>
Storm Sewer	<input type="checkbox"/>
Sanitary P.S.	<input type="checkbox"/>
Storm P.S.	<input type="checkbox"/>
Wastewater	<input type="checkbox"/>
Other (specify below)	<input type="checkbox"/>

VWNA Project #: TBD

Proposed by: Morgan Mackay  
Morgan Mackay, Veolia Water West Operating Services

Reviewed by: Rodrigo Vignau  
Rodrigo Vignau, Veolia Water West Operating Services

Reviewed by: Mary Phelps  
Mary Phelps, Water Resource Division Manager

Reviewed by: Resolution 8792 adopted 7/12/24  
City of Richmond, Finance Department / Funding Source

Approved by: [Signature]  
Danlet Chavarria  
City of Richmond, Director of Public Works

Approval Date: 05/30/2024

Original Line Item Approved Cost:	\$ 1,755,800.00
Approved Markup/Margin	\$ 289,707.00
<b>Total Authorized Amt.:</b>	<b>\$ 2,045,507.00</b>

Previously Authorized Amount: \$0.00

**Scope of Services**

The 2023-24 Grade 5 RAA Replacement Project - Phase I replaces (24) pipelines with an approximate combined length of 7,191 lineal feet. This task authorization is submitted based on direction provided by the City of Richmond to perform the following full line replacements:

The pipe segments to be rehabilitated for this project are identified in Scope of Work Attachment A (see attached). The work will include replacement of deteriorated sewer pipe segments within the collection system using pipe bursting or open cut as discussed further below, including installing new manholes where indicated on Attachment A. For pipe replacement work, pipe bursting is the preferred method followed by open cut. The Contractor shall conduct a pre-CCTV to locate and reinstate laterals. A complete NASSCO graded post-construction CCTV survey of the entire line segment (manhole to manhole) shall be completed upon completion of the work (no later than one month after the repair or replacement) and provided to Veolia.

This project was competitively bid to be performed on a "design-build" basis, and the Contractor is responsible for engaging the services of an engineering firm to issue design drawings for lines with utility conflicts and other constructability issues and also issue the final as-built drawings. Hence, per the City's direction, no engineered drawings were provided for this pipe replacement project. T&M not to exceed fees are included for compaction testing services as well as engineering support services in this proposal. All services provided for design support by V. W. Housen & Associates and for compaction testing services by Questa Engineering shall be tracked by Veolia and billed to the City with associated markups. All unused funds and associated Veolia markup shall return to the City.

On March 20, 2024, the City posted the Request for Bids on Bids Online, and Veolia conducted a mandatory pre-bid meeting with ten (10) participants on April 3, 2024. On April 16, 2024, five (5) bids were received from qualified contractors; the apparent low bid received was from APB General Engineering in the amount of \$1,690,800.00. Veolia evaluated all of the bids and found them to be responsive and complete and recommend awarding the contract to APB General Engineering, who is the low bidder. Their bid is attached.

The total authorization amount of this TA is \$2,045,507.00, which includes Veolia's 16.5% markup as well as NTE estimated design and testing amounts for V.W. Housen & Associates and Questa Engineering, respectively.

2023-24 Grade 5 RAA Line Repl. - Phase I	Bids/Estim.	SUBTOTAL	Veolia Markup 16.50%	TOTAL
APB General Engineering	1,690,800	1,690,800	278,982	1,969,782
V.W. Housen & Associates - design support (estlm.)	40,000	40,000	6,600	46,600
Questa Engineering- testing	25,000	25,000	4,125	29,125
<b>TOTAL</b>	<b>1,755,800</b>	<b>1,755,800</b>	<b>289,707</b>	<b>2,045,507</b>

**Attachments**

- Copy of APB General Engineering's bid
- Scope of Work Attachment A copy
- Testing proposal - Questa Engineering