



TASK AUTHORIZATION



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

Date:

VWNA Project #:

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 Venkateshman
Chandrasekar Venkateshman, Veolia Water West Operating Services

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

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

Approved by: [Signature]
Daniel Chavarria, City of Richmond, Public Works Director
Deputy City Engineer

Approval Date: [Signature]

Original Line Item Approved Cost:	\$ 1,755,800.00
Approved Markup/Margin	\$ 289,707.00
Previously authorized change orders	\$ 3,152,230.12
Change Order 5	\$ 865,974.00
Approved Markup/Margin	\$ 142,885.71
Total Authorized Amt.:	\$ 6,206,596.83

Previously Authorized Amount: \$5,197,737.12

Scope of Services

In this TA, nine (9) line segments are added per the City's request. Five of the lines among them are easement lines on Yuba St. and Carlston St. for which the City has provided easement maps so the right of entry signatures from the residents are not needed. This TA also includes a credit to the City as Line Segment #11 was properly abandoned.

The above mentioned costs are summarized on page 2. Further, due to the added lines, additional budget and authority for testing, ESDC, and outreach have been requested.

The total additional authority requested is \$1,008,859.71 which includes a 16.5% Veolia markup and brings the total project amount authorization to \$6,206,596.83.

2024-25 Grade 5 RAA Line Repl. - Phase I - CO5	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
Change Order 4 @ 9%	673,858	673,858		60,647	734,505
Change Order 5	820,974	820,974	135,461		956,435
Add'l Costs - Testing, ESDC & Outreach	45,000	45,000	7,425		52,425
TOTAL	5,372,592	5,372,592	771,037	62,967	6,206,597

Attachments

Copy of APB General Engineering Proposals



TASK AUTHORIZATION

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

Date:

04/14/25

VWNA Project #:

RE:1660

Scope of Services

(CONT.)

2024-25 GRADE 5 RAA LINE REPLACEMENT - CHANGE ORDER 5 REQUEST SUMMARY

PCO #21	H9SF295_H9MH1712	Credit for Line Segment #11 - 750 Bissell Ave.	-\$6,490.00
PCO #22	J13SF193_J13MH278	Yuba Street	\$127,875.00
PCO #23	J12MH503_I12MH1155	34th St./Clinton Ave.	\$139,514.00
PCO #24	E14MH464_E14MH1981	S. 59th Street/Bayview Ave.	\$148,063.00
PCO #25	K9MH1653_J9MH2708	8th Street	\$121,283.00
PCO #26	G11MH1228_G10MH151	S. 22nd Street/Cutting Blvd.	\$93,241.00
PCO #27	I13SF73_I13SF74	Carlston St. Easement #1	\$27,038.00
PCO #28	I13SF74_H13MH116	Carlston St. Easement #2	\$101,228.00
PCO #29	H13MH118_H13MH119	Carlston St. Easement #3	\$26,492.00
PCO #30	H13MH119_H13MH117	Carlston St. Easement #4	\$42,730.00
			Subtotal
			\$820,974.00
			Veolia Markup at 16.5%
			\$135,460.71
			TOTAL
			\$956,434.71

APB

GENERAL ENGINEERING

Lic. 1038184

Project: 2024-2025 RAA Line Segment Replacement

Potential Change Order No.21

Date: March 3rd, 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) Potholing and dye testing operations showed that the line segment (H9SF295 to H9MH1712) has no active lateral connections. Per the response to RFI #015, we are to properly abandon both line segment and the existing penetration at downstream MH. End of the line cleanout was actually a MH and needed to be removed and concrete restored. Credit for pipe material and a half a days' worth of labor/equipment to pull the pipe.

Reason for Change:

- 1) Response to RFI #015.

Requested by: APB General Engineering

Pricing Data: (-\$6,490)

Contract Time: 2 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.22

Date: March 3rd, 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 J13SF193 to J13MH278, approximately 354, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, all excavations for all insertion pits, sewer lateral connections, 1 new manhole, utility potholing, engineering/design, landscape/yard restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

Reason for Change:

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

Requested by: APB General Engineering

Pricing Data: \$127,875

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.23

Date: March 19th, 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 J12MH503 to I12MH1155, approximately 382, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, all excavations for all insertion pits, sewer lateral connections, utility potholing, engineering/design, traffic control, AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

Reason for Change:

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

Requested by: APB General Engineering

Pricing Data: \$139,514

Contract Time: 3 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.24

Date: March 19th, 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 E14MH464 to E14MH1981, approximately 340, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, all excavations for all insertion pits, sewer lateral connections, utility potholing, engineering/design, traffic control, AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

Reason for Change:

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

Requested by: APB General Engineering

Pricing Data: \$148,063

Contract Time: 3 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.25

Date: March 19th, 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 K9MH1653 to J9MH2708, approximately 335, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, all excavations for all insertion pits, sewer lateral connections, utility potholing, engineering/design, traffic control, AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

Reason for Change:

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

Requested by: APB General Engineering

Pricing Data: \$121,283

Contract Time: 3 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.26

Date: March 19th, 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 G11MH1228 to G10MH1584, approximately 250, with 8" HDPE DR 17. Proposed cost includes all sheeting/shoring, all excavations for all insertion pits, sewer lateral connections, utility potholing, engineering/design, traffic control, AC restoration and post CCTV. All work to follow City of Richmond Standard Specifications.

Reason for Change:

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

Requested by: APB General Engineering

Pricing Data: \$93,241

Contract Time: 3 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



GENERAL ENGINEERING
Lic. 1038184

Project: 2024-2025 RAA Line Segment Replacement

Potential Change Order No.27

Date: March 27th, 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 I13SF73 to I13SF74, approximately 50', with 6" HDPE DR 17. Proposed cost includes all sheeting/shoring, all excavations for all insertion pits, 1 sewer lateral connection, LH to MH conversion, utility potholing, engineering/design and post CCTV. All work to follow City of Richmond Standard Specifications. *Per the PACP reports provided, there appears to have no live lateral connections. Same cost if we are directed to abandon line segment.

Reason for Change:

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

Requested by: APB General Engineering

Pricing Data: \$27,038*

Contract Time: 3 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

GENERAL ENGINEERING

Lic. 1038184

Project: 2024-2025 RAA Line Segment Replacement

Potential Change Order No.28

Date: March 27th, 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 I13SF74 to H13MH116, approximately 316', with 6" HDPE DR 17. Proposed cost includes all sheeting/shoring, all excavations for all insertion pits, sewer lateral connections, LH to MH conversion, utility potholing, engineering/design and post CCTV. All work to follow City of Richmond Standard Specifications. *Per the PACP reports provided, CCTV efforts were abandoned at 316' due to obstructions. Additional costs and delay may apply if line segment is longer and/or additional lateral connections are encountered after the point of abandonment.

Reason for Change:

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

Requested by: APB General Engineering

Pricing Data: \$101,228*

Contract Time: 3 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

GENERAL ENGINEERING

Lic. 1038184

Project: 2024-2025 RAA Line Segment Replacement

Potential Change Order No.29

Date: March 27th, 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 H13MH118 to H13MH119, approximately 84', with 6" HDPE DR 17. Proposed cost includes all sheeting/shoring, all excavations for all insertion pits, sewer lateral connections, utility potholing, engineering/design and post CCTV. All work to follow City of Richmond Standard Specifications. *Per the PACP reports provided, CCTV shows only one lateral on this line segment, and it is about 2.5' from the downstream MH. We can eliminate this line segment and put the lateral directly into MH or we can shorten the entire run. APB to bill the entirety of the PCO regardless of which option is selected.

Reason for Change:

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

Requested by: APB General Engineering

Pricing Data: \$26,492*

Contract Time: 3 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

GENERAL ENGINEERING

Lic. 1038184

Project: 2024-2025 RAA Line Segment Replacement

Potential Change Order No.30

Date: March 27th, 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 H13MH119 to H13MH117, approximately 117', with 6" HDPE DR 17. Proposed cost includes all sheeting/shoring, all excavations for all insertion pits, sewer lateral connections, utility potholing, traffic control, engineering/design and post CCTV. All work to follow City of Richmond Standard Specifications.

Reason for Change:

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

Requested by: APB General Engineering

Pricing Data: \$42,730*

Contract Time: 3 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



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*
Chandrasekar Venkatraman, Veolia Water West Operating Services

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

Reviewed by: _____
City of Richmond, Finance Department

Approved by: *Daniel Chavarria*
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
Total Authorized Amt.:	\$ 5,197,737.12

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
Change Order 4 @ 9%	673,858	673,858		60,647	734,505
TOTAL	4,506,618	4,506,618	628,152	62,967	5,197,737

Attachments

Copy of APB General Engineering Proposals



**TASK
AUTHORIZATION**
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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.	\$ 299,124.00
		Credit for the Original Line Item	\$ (90,928.00)
PCO #19	G7MH2736_G7MH668	Line Segment #23 - Scenic Ave.	\$ 160,307.00
		Credit for the Original Line Item	\$ (36,610.00)
PCO #20	G7SF234_G7MH2736	Line Segment #24 - Scenic Ave. 2	\$ 270,972.00
		Credit for the Original Line Item	\$ (82,205.00)
Subtotal			\$ 673,858.00
Veolia Markup at 9%			\$60,647.22
TOTAL			\$ 734,505.22



**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	<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, 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: _____

Previously Authorized Amount: \$2,548,326.00

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
Total Authorized Amt.:	\$ 4,463,231.90

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	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	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
TOTAL	3,832,760	3,832,760	628,152	4,463,232

Attachments

Copy of APB General Engineering Proposals and other backup



**TASK
AUTHORIZATION**
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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%



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)

Table with activity classification categories: Administration, Engineering (Planning, Design, Construction), Construction (Sanitary Sewer, Storm Sewer, Sanitary P.S., Storm P.S.), Wastewater, and Other (specify below).

Proposed by: Chandrasekar Venkatraman, Veolia Water West Operating Services
Reviewed by: Jeffrey Barick, Authorized City Dept. Rep. (PO verification)
Reviewed by: City of Richmond, Finance Department
Approved by: Robert Armijo, Deputy Public Works Dir./City Engineer

Approval Date: 01-02-2025

Summary table with columns: Description, Amount. Rows include Original Line Item Approved Cost, Approved Markup/Margin, Previously authorized change orders, Change Order 2, Approved Markup/Margin, and Total Authorized Amt.

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.

Summary table for 2024-25 Grade 5 RAA Line Repl. - Phase I - CO1. Columns: Bids/Estim., SUBTOTAL, Veolia Markup 16.50%, TOTAL. Rows include APB General Engineering, PCO 1, PCO 2, V.W.Housen, Questa, J Majors & Associates, PCO 3, and TOTAL.

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)

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: 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

Previously Authorized Amount: \$2,045,507.00

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
Total Authorized Amt.:	\$ 2,307,991

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
TOTAL	1,981,108	1,981,108	326,883	2,307,991

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:	CBJCHBCAABAAwTwV5Fi8eixMv5xYPTO3gs7sfcnGUx95

"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

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"/>

Date: May 29, 2024

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 87-24 adopted 7/2/24
City of Richmond, Finance Department / Funding Source

Approved by: [Signature]
Daniel 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
Total Authorized Amt.:	\$ 2,045,507.00

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.		Veolia Markup	
		SUBTOTAL	16.50%	TOTAL
APB General Engineering	1,690,800	1,690,800	278,982	1,969,782
V.W. Housen & Associates - design support (estim.)	40,000	40,000	6,600	46,600
Questa Engineering- testing	25,000	25,000	4,125	29,125
TOTAL	1,755,800	1,755,800	289,707	2,045,507

Attachments

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

