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OFFICE OF THE CITY CLERK
OAKLAND

2019 NOV 21 PM 1:53

AGENDA REPORT

TO: Sabrina B. Landreth
City Administrator

FROM: Jason Mitchell
Director, Public Works

SUBJECT: Sanitary Sewer Master Plan

DATE: November 8, 2019

City Administrator Approval

Date: 11/21/19

RECOMMENDATION

Staff Recommends That The City Council Adopt A Resolution Authorizing The City Administrator Or Her Designee To Enter Into A Professional Services Agreement With V&A Consulting Engineers for Engineering Services For The Sanitary Sewer Master Plan Project No. 1004788 In An Amount Not To Exceed Two Million Four Hundred Eighty-Six Thousand Six Hundred Sixty-Six Dollars (\$2,486,666).

EXECUTIVE SUMMARY

Approval of the resolution will authorize the City Administrator or her designee to execute a professional service contract with V&A Consulting Engineer in an amount not to exceed \$2,486,666. The work to be completed under the project will produce a comprehensive Sanitary Sewer Master Plan that will meet both federal and state regulatory requirements. The master plan will provide technical guidance to both the sanitary sewer rehabilitation capital improvement program and the sanitary sewer operation and maintenance program in compliance with the 2014 Consent Decree for the next 17 years. The contract term will be two (2) years. Funding for this project is available in the Fiscal Year 2019-21 budget. Additional funding will be from Environmental Protection Agency (EPA) Sewer Cleaning Project No. 1001676.

BACKGROUND / LEGISLATIVE HISTORY

The City of Oakland owns and operates a sanitary sewage collection system that serves approximately 400,000 people within the City. The collection system includes approximately 930 miles of gravity main, less than five (5) mile of pressure force main, and eleven (11) sewage pump stations. There are approximately 102,000 private lateral sewer connections to the collection system. The wastewater from Oakland flows to East Bay Municipal Utility District (EBMUD) facilities, together with sewage from seven Satellite Agencies including the Cities of Alameda, Albany, Berkeley, Emeryville, Piedmont, and Stege Sanitary District. During heavy storm events, excessive wastewater caused by stormwater inflow and infiltration from each sewer collection system overloads EBMUD treatment facilities and is diverted to three Wet Weather Facilities (WWFs) discharging into San Francisco Bay.

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On September 22, 2014, a Sewer Consent Decree was finalized requiring EBMUD and the seven Satellite Agencies to stop discharging into the San Francisco Bay during heavy storms until 2036. Additionally, the Consent Decree requires mid-course check-in of the WWFs in 2022 and 2030. If the collective activities of all the defendants (EBMUD and the seven Satellite Agencies) do not yield the predicted progress towards slowing flows to the WWFs by the check-in periods of 2022 and 2030, a strategic Performance Evaluation Plan (PEP) and resultant Revised Work Plan (RWP) must be developed and implemented.

As part of the Consent Decree, the City of Oakland is required to replace an average annual rate of 13 miles of sanitary sewer mains, rehabilitate connected manhole structures, upgrade sewer capacities, evaluate system condition on a 10-year cycle, conduct cleaning on a 5-year cycle, and perform spot repairs on an as-needed basis.

A comprehensive Sanitary Sewer Master Plan will provide technical guidance to both the sanitary sewer rehabilitation capital improvement program and the sanitary sewer operation and maintenance program in compliance with the 2014 Consent Decree for the next 17 years.

ANALYSIS AND POLICY ALTERNATIVES

Selection Process

The City conducted a request for proposal (RFP) on May 24, 2019. On July 21, 2019 the City received one (1) proposal from V&A Consulting Engineers. Staff reviewed the proposal and invited V&A Consulting Engineers for presentation and interview. The firm was evaluated based on the following criteria:

- Approach – Methodology and understanding of issues
- Experience – Knowledge and experience of the project team
- Team – Depth and breadth of the consultant expertise

The V&A Consulting Engineers was recommended for the work and they meet the City of Oakland's Professional Services Goals Local Business Enterprise/Small Local Business Enterprise (LBE/SLBE). They were recommended because they demonstrated relevant experience and familiarity with sanitary sewer system hydraulic modeling and master planning for numerous communities which are subject to similar regulatory requirements. Their team also presented cohesive and responsive approach to Oakland specific issues related to the sewer system constraints and analysis of various alternatives. The V&A Consulting Engineers LBE and SLBE participation is 51% (See Contract Compliance evaluation result in **Attachment A**).

Adoption of this resolution will allow the City Administrator or her designee to execute a professional service contract with V&A Consulting Engineer. The consultant will conduct field investigations, develop hydraulic model and risk-based asset management model, perform technical analysis, and produce master plans for both sanitary sewer rehabilitation and operation/maintenance programs.

Key benefits of the project will include:

- The proposed programs will be established in conjunction with the Capital Improvement Prioritization Program, which focuses on equity in Oakland;
- The risk-based analytic approach will help City mitigate inflow/infiltration sewer infrastructure more effectively and efficiently;
- The hydraulic modeling expands to 8-inch sewer pipeline, which will identify sewer capacity deficiency and help plan on capacity upgrades; and
- The master plan will provide technical responses to several what-if scenarios relevant to Consent Decree mid-course check-ins as well as sewer rate guidance on how to cover additional costs in the future.

The project is scheduled to begin in January 2020 and be completed by November 2021. The project schedule is shown in **Attachment B**.

FISCAL IMPACT

The total one-time cost to implement this project is \$2,486,666, of which \$2,000,000 is included in the Fiscal Year (FY) 2019-21 Budget in Fund 3100 Sewer Service Fund, Organization 92244 Sanitary Sewer Design Organization, Project No. 1004788. The remaining portion of the project cost will be transferred from existing appropriation in EPA - Sewer Cleaning Project No. 1001676. A breakdown of the appropriated project funding source is included in **Table 1**:

Table 1: Project Funding Sources

Founding Source	Organization	Account	Project	Program	Amount
3100 - Sewer Service Fund	92244	57411	1004788		\$2,000,000
3100 - Sewer Service Fund	30533	54919	1001676		\$486,666
Total Project:					\$2,486,666

PUBLIC OUTREACH / INTEREST

The resultant sanitary sewer master plans will make changes to both the capital improvement program and the operation/maintenance program. The findings and recommendations will be presented to the Public Works Committee and/or City Council.

COORDINATION

The work to be done under the contract was coordinated with Oakland Public Works (OPW) Bureau of Maintenance and Internal Services, and the Contracts and Compliance Division of the City Administrator's Office. In addition, the Office of the City Attorney and the Budget Bureau have reviewed this report and resolution.

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SUSTAINABLE OPPORTUNITIES

Economic: A functioning sanitary sewer system improves the community and makes Oakland more attractive for residents and businesses. Sewer overflows cause economic hardships and result in fines by the EPA of a maximum of \$27,500.00 per day.

Environmental: The improvements to the sanitary sewer system will reduce the possibility of overflows, thereby, benefiting the environment.

Race and Equity: This project is part of the citywide program to eliminate wastewater discharges and overflows, thereby benefiting all Oakland residents with decreased sewer overflows and improved infrastructure.

ACTION REQUESTED OF THE CITY COUNCIL

Adopt A Resolution Authorizing The City Administrator Or Her Designee To Enter Into A Professional Services Agreement With V&A Consulting Engineers for Engineering Services For The Sanitary Sewer Master Plan Project No. 1004788 In An Amount Not To Exceed Two Million Four Hundred Eighty-Six Thousand Six Hundred Sixty-Six Dollars (\$2,486,666).

For questions regarding this report, please contact JIMMY MACH, DIVISION MANAGER at 510-238-3303.

Respectfully submitted,



A handwritten signature in black ink, appearing to read 'J. Mitchell', is written over a horizontal line.

JASON MITCHELL
Director, Oakland Public Works

Reviewed by:
Matthew Lee, P.E., Acting Assistant Director
Bureau of Design & Construction

Reviewed by:
Jimmy Mach, P.E., Division Manager
Wastewater Engineering Management Division

Prepared by:
Wen Chen, P.E., Supervising Civil Engineer
Wastewater Engineering Management Division

Attachments (2):

Attachment A: Compliance Evaluation
Attachment B: Project Schedule



INTER OFFICE MEMORANDUM

TO: Wen Chen

FROM: Deborah Barnes, Director
Contracts and Compliance

THROUGH: Shelley Darensburg, Senior Contract Compliance Officer

PREPARED BY: Vivian Inman, Contract Compliance Officer

SUBJECT: Compliance Analysis
RFP – Sanitary Sewer Master Plan

DATE: June 26, 2019

At the request of the Public Works Department, the designated Compliance Officer conducted a compliance analysis of **one (1) proposal** submitted to the City in response to the above referenced RFQ. Below are the results of the compliance evaluations for the minimum 50% Local/Small Local Business Enterprise (L/SLBE) participation requirement, and Equal Benefits Ordinance (EBO) including any Earned Preference Points.

<i>Responsive to Social Justice Policies</i>	PROPOSED L/SLBE PARTICIPATION PERCENTAGES					EARNED PREFERENCE POINTS				EBO Compliant? Y/N
	Total LBE/SLBE	LBE	SLBE	*VSLBE	Total Credited participation	L/SLBE Participation Preference Points	Years in Oakland Preference Points	Oakland Workforce Preference Points	Total Participation Points	
V&A Consulting Engineers	51%	51%	0%	0%	51%	2.0	2.5 pts.	0.0 pts	4.5 pts.	Y

Comments: The above firm exceeded the minimum 50% L/SLBE participation requirement. The firm is EBO compliant.

Should you have any questions you may contact Vivian Inman, Contract Compliance Officer at (510) 238-6261.

COMPLIANCE OFFICER NOTES:

City Administrator's Office



CONTRACTS AND COMPLIANCE UNIT

Compliance Division

PROJECT EVALUATION FORM

RE: RFP Sanitary Sewere Master Plan

CONSULTANT/CONTRACTOR: V&A Consulting

<u>Engineer's Estimate:</u>	<u>Contractors' Bid Amount</u>	<u>Over/Under</u>
NA	NA	<u>Engineer's Estimate</u>
		NA

<u>Bid discounted amount:</u>	<u>Discount/Preference Points:</u>
N/A	

- 1. Did the 50% local/small local requirement apply: YES
- 2. Did the contractor meet the 50% requirement YES
 - a) % of LBE participation 51.00%
 - b) % of SLBE participation 0.00%
 - c) % of VSLBE participation 0.00%
- 3. Did the contractor receive bid discount/preference points? YES
(If yes, list the points received) _

4. Additional Comments.

5. Date evaluation completed and returned to Contract Admin./Initiating Dept.

6/26/2019
Date

Reviewing Officer: Vincent Janna

Date: 6/26/2019

Approved By: Shelley Dorensburg

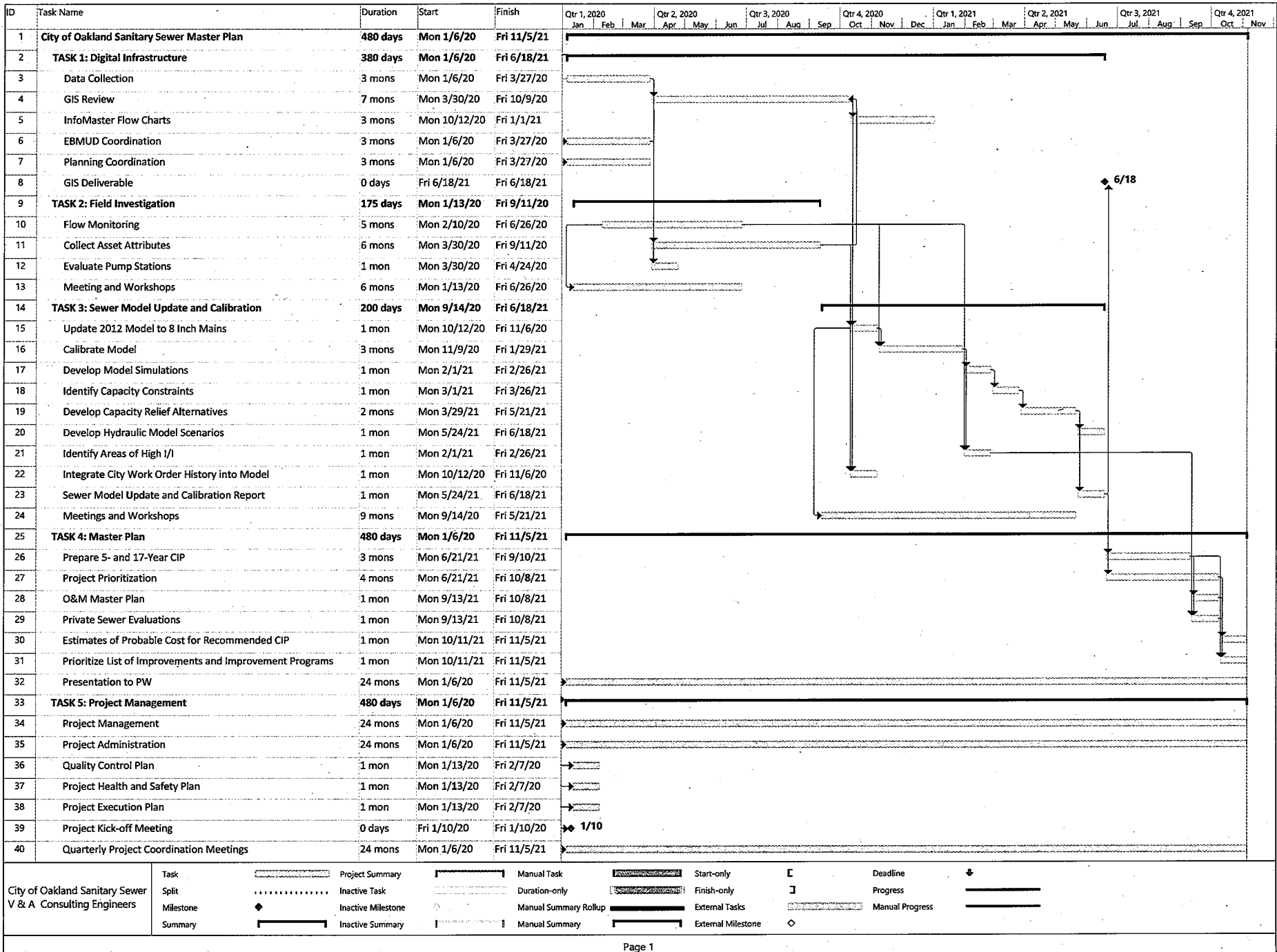
Date: 6/26/2019

LBE/SLBE Participation V&A Consulting

Project Name: RFP Sanitary Sewer Master Plan

Project No.:		Engineer's Estimate				Under/Over Engineers Estimate:						
Discipline	Prime & Subs	Location	Cert. Status	LBE	SLBE	*VSLBE (Double Counted Amount)	Total LBE/SLBE/VSLBE %	Total Percentages	For Tracking Only			
									Ethn	MBE	WBE	
PRIME Sewer Model Update/Master Plan Technical Advisor	V&A Consulting	Oakland	CB	51.00%			51.00%	51.00%	H	51.00%		
	Black & Veatch Corporation	Walnut Creek	UB					48.50%	NL			
	Humphrey Consulting	Oakland	UB					0.50%	NL			
Project Totals				51.00%	0.00%	0.00%	51.00%	100.00%		51.00%	0.00%	
Requirements: The 50% requirement can be satisfied by a combination of 25% LBE and 25% SLBE. The SLBE requirement is waived for Oakland certified prime consultants. A VSLBE's participation is double counted toward meeting the requirement.				LBE 25% or 50%	SLBE 25%	*VSLBE	TOTAL LBE/SLBE/VSLBE 50%	Total	Ethnicity AA = African American A = Asian C = Caucasian H = Hispanic NA = Native American O = Other NL = Not Listed			
Legend		LBE = Local Business Enterprise SLBE = Small Local Business Enterprise VSLBE = Very Small Local Business Enterprise Total LBE/SLBE/VSLBE = All Certified Local and Small Local Businesses NPLBE = NonProfit Local Business Enterprise NPSLBE = NonProfit Small Local Business Enterprise				UB = Uncertified Business CB = Certified Business MBE = Minority Business Enterprise WBE = Women Business Enterprise						

Attachment B: Project Schedule



OAKLAND CITY COUNCIL

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RESOLUTION No. _____ C.M.S.

RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR OR HER DESIGNEE TO ENTER INTO A PROFESSIONAL SERVICES AGREEMENT WITH V&A CONSULTING ENGINEERS FOR ENGINEERING SERVICES FOR SANITARY SEWER MASTER PLAN PROJECT NO. 1004788 IN THE AMOUNT NOT TO EXCEED TWO MILLION FOUR HUNDRED EIGHTY-SIX THOUSAND SIX HUNDRED SIXTY-SIX DOLLARS (\$2,486,666)

WHEREAS, In accordance with federal and state regulatory requirements, a comprehensive sanitary sewer master plan is needed for the Sewer Collection System asset management in Oakland; and

WHEREAS, The master plan will provide technical guidance to both the sanitary sewer rehabilitation capital improvement program and the sanitary sewer operation and maintenance program in compliance with the 2014 Consent Decree in the next 17 years; and

WHEREAS, The City conducted a competitive Request for Proposals (RFP) selection process; and

WHEREAS, On June 21, 2019, the Contract Services received a proposal from V&A Consulting Engineers for Oakland's Sanitary Sewer Master Plan (Project No. 1004788); and

WHEREAS, After reviewing the proposal and conducting an evaluation process including presentation and interview, V&A Consulting Engineers was recommended as the most qualified consultant to perform the services; and

WHEREAS, The total one-time cost to implement this project of \$2,486,666 is funded through the following project accounts as part of Fiscal Year (FY) 2019-21 Budget: Fund 3100 Sewer Service Fund, Organization 92244 Sanitary Sewer Design Organization, Sewer Account 57411, Project No. 1004788, \$2,000,000; Fund 3100 Sewer Service Fund, Organization 30533 Sewer Operation and Maintenance Organization, Sewer Account 54919, Project No. 1001676, \$486,666; and

WHEREAS, V&A Consulting Engineers and its team comply with all City's LBE/SLBE requirements for professional services; and

WHEREAS, V&A Consulting Engineers will conduct field investigations, develop hydraulic model and risk-based asset management model; perform technical analysis; and produce master plans for both the sanitary sewer capital improvement program and the sanitary sewer operation and maintenance in the next seventeen (17) years; and

WHEREAS, V&A Consulting Engineers has submitted a comprehensive proposal for each task and cost within a reasonable time frame; and

WHEREAS, The City Administrator has determined that this contract is for services of a professional, scientific or technical and temporary nature; and

WHEREAS, The City Administrator has determined that this contract shall not result in the loss of employment or salary by any person having permanent status in the competitive service; now, therefore, be it

RESOLVED: That the City Administrator or her designee is hereby authorized to enter into an agreement with V&A Consulting Engineers, to provide professional Engineering Services for Oakland's Sanitary Sewer Master Plan Project No. 1004788 in an amount not-to-exceed Two Million Four Hundred Eighty-Six Thousand Six Hundred Sixty-Six Dollars (\$2,486,666) ; and be it

FURTHER RESOLVED: That the City Administrator or his designee is hereby authorized to approve any subsequent amendments to or extensions of said agreement, except those involving additional compensation or the allocation of additional funds, provided that such amendments or extensions shall be filed with the City Clerk's Office; and be it

FURTHER RESOLVED: That the contract shall be reviewed and approved by the City Attorney for form and legality and placed on file in the Office of the City Clerk.

IN COUNCIL, OAKLAND, CALIFORNIA,

PASSED BY THE FOLLOWING VOTE:

AYES - FORTUNATO BAS, GALLO, GIBSON MCELHANEY, KALB, REID, TAYLOR, THAO AND
PRESIDENT KAPLAN

NOES -

ABSENT -

ABSTENTION -

ATTEST:

LATONDA SIMMONS
City Clerk and Clerk of the Council of the
City of Oakland, California