

REQUEST FOR PROPOSAL (RFP) for Pavement Management Design Services and Construction Management/Construction Inspection Services, RFP No. 730-24- 01

ADDENDA

Prospective bidders are responsible for reviewing any published addenda regarding this bid at ebmud.com/business-center

CONTACT

Sandra Mulhauser, Associate Civil Engineer
(510) 287-7032
sandra.mulhauser@ebmud.com

RESPONSE DUE

May 13, 2024
4:00 p.m. PST

SUBMIT ELECTRONICALLY TO*

Sandra Mulhauser, EBMUD
sandra.mulhauser@ebmud.com

**Hardcopy proposals will not be accepted*

EAST BAY MUNICIPAL UTILITY DISTRICT

RFP for Pavement Management Design Services and Construction Management/Construction
Inspection Services, RFP No. 730-24-01

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I. STATEMENT OF WORK

A. SCOPE

It is the intent of these specifications, terms, and conditions to describe pavement management, design, and optional construction management and construction inspection services for the District's Pavement Management Plan (PMP).

East Bay Municipal Utility District (District) intends to award a 3-year contract (with 2 options to renew for one-year terms) to the Proposer(s) who best meets the District's requirements. The District owns and maintains approximately 826,000 square yards of asphalt concrete (AC) pavement at its facilities, including administrative buildings, maintenance yards, pumping plants, reservoirs, water treatment plants, recreational areas, and rights-of-way. The District's overall pavement network is currently in Poor condition, with an average pavement condition index (PCI) of 48. Approximately 49 percent of the network is in either Good or Fair condition, and 51 percent is in either Poor or Failed condition.

The following table shows the PCI breakdown by facility type:

Facility Type	% of Total Network	2021 PCI
Distribution Reservoirs	29.5	57
Distribution Pumping Plants	3.9	61
Administration/Maintenance Buildings and Water Treatment Plants	22.8	49
Area Service Centers and Field Operations Centers	4.8	45
Supply Reservoirs and Recreation Areas	18.8	41
Warehouses, Distribution Flow Controls, Washwater Tanks, and Supply Pumping Plants	4.9	22
Wastewater/Non-Potable Water Treatment Plants and Wet Weather Pumping Stations	15.3	51
Overall	100	48

The District's PMP has a goal of achieving an overall average PCI of 70 (Good condition) over 10 years. Maintenance and rehabilitation treatments have been identified for each facility based on condition assessments completed in 2021. The estimated cost of the 10-year program is approximately \$35 million.

The District anticipates hiring a contractor(s) to apply maintenance and rehabilitation treatments that include, but are not limited to, crack seal, slurry seal, cape seal and base repair (BR), thick hot mix asphalt overlays and BR, and full depth reclamation or AC surface reconstruction.

The District is seeking civil engineering firms with licensed professional civil engineers to provide pavement management design, and optional construction management and construction inspection services to support implementation of the District's PMP.

B. PROPOSER QUALIFICATIONS

1. Proposer Minimum Qualifications

- a. Proposer, Proposer's principal, or Proposer's staff shall have been regularly engaged in the business of providing pavement management and design services for at least five (5) years.
- b. Proposer's subconsultant shall have been regularly engaged in the business of providing pavement construction management and construction inspection services for at least five (5) years.
- c. Proposer shall possess all permits, licenses, and professional credentials necessary to perform services as specified under this RFP.

C. SPECIFIC REQUIREMENTS

Consultant shall expand on the content of each subtask based on the Proposer's approach to the Project, identify additional subtasks as appropriate, and identify deliverables. All consultant deliverables will be prepared per quality assurance/quality control (QA/QC) practices and document production review requirements for the Project.

Task 1: Project Initiation

- 1.1 Kickoff Meeting – Following the Notice to Proceed, Consultant will meet with District staff to review the technical approach, finalize scope of work, define pavement service level goals, identify high-priority facilities, review Project schedule and budget, and address any other Project-related issues. Consultant will prepare meeting minutes based on meeting agenda and will summarize decisions and action items.
- 1.2 Project Work Plan – Consultant will prepare a Work Plan that includes a schedule, all tasks and deliverables identified in the Consultant's proposed scope of work, and a QA/QC plan.
- 1.3 Review Project Materials – Consultant will review existing information to gain a clear understanding of the Project and submit data requests for additional Project information. The District will provide PMP and pavement inventory. The pavement inventory is in StreetSaver® Pavement Management Software.

Task 2: Pavement Management and Design Services

- 2.1 Project Selection – Consultant will review projects in PMP, confirm or recommend alternatives for maintenance treatments and/or rehabilitation, and select projects to package for bidding. Considerations for project selection include, but are not limited to, construction efficiency and economies of scale.
- 2.2 Preliminary Engineering. Consultant will complete the following:
 - 2.2.1 Conduct topographic surveys, preliminary site evaluations, and investigations if necessary for the required scope of work.
 - 2.2.2 Provide geotechnical and survey services if necessary for the required scope of work.
 - 2.2.3 Prepare engineering details and calculations.
 - 2.2.4 Provide preliminary schedules to include all project phases.
- 2.3 Construction Documents. Consultant will complete the following:
 - 2.3.1 Prepare engineering designs, calculations, plans, specifications, cost estimates, and contract bidding documents. Plans and specifications are to comply with District standards.
 - 2.3.2 Submit plans and construction documents at the preliminary engineering, 60%, 90%, and final stages for District staff review. Submittal stages and content to be determined per project.
 - 2.3.3 Provide final submittal, all project calculations, correspondence, photos, electronic files, and supporting/reference information.
- 2.4 Bidding Stage. Consultant will complete the following:
 - 2.4.1 Assist the District in answering bidders' questions, issue addendums, and attend pre-bid conferences and job walks.
 - 2.4.2 Review and analyze bid openings for completeness and lowest responsible and responsive bidder.
- 2.5 Construction Stage. Consultant will complete the following:
 - 2.5.1 Attend pre-construction meetings and other meetings, as required.
 - 2.5.2 Visit construction sites, as required, for progress and quality of work evaluation.
 - 2.5.3 Assist District, Contractor, and Construction Manager with interpretation of plans and specifications, with analysis of changed conditions, development of corrective action, review of shop drawings and other submittals, and review and negotiation of contract change orders.
 - 2.5.4 Upon completion of construction, compile all construction information and prepare "as-built" drawings to the satisfaction of the District.
 - 2.5.5 Update the District's pavement inventory in StreetSaver® upon completion of pavement maintenance and rehabilitation projects.

**Task 3: Construction Management and Construction Inspection Services
(Optional Task)**

Optional Task: Consultant will work with District's Contractor and provide or hire sub-consultant to provide construction management and construction inspection services including, but not limited to, the following:

- 3.1 Work with District, Consultant, and Contractor to clearly define roles and responsibilities during construction and develop a construction management plan.
- 3.2 Manage and coordinate meetings with District, Consultant, and Contractor and assure that the project is on schedule.
- 3.3 Coordinate, log, manage, and respond to submittals, request for information (RFIs), and other project correspondence submitted by the Contractor.
- 3.4 Review and approve Contractor's submittals required by the plans and specifications.
- 3.5 Track the project budget and monitor project construction costs and forecasts.
- 3.6 Monitor the construction schedule provided by the Contractor.
- 3.7 Prepare, review, and provide recommendation to the District for sign-off on construction change orders.
- 3.8 Establish notification procedures for access to facilities for pavement work.
- 3.9 Coordinate the testing and inspection of pavement and review test reports as necessary.
- 3.10 Produce weekly management report summary defining the progress of the work including change orders, RFI's, submittals, schedule and potential claims. Produce a more detailed monthly report of the same items.
- 3.11 Review the monthly payment requests for completeness and accuracy, including proper payroll documentation, and make recommendation for payment to District.
- 3.12 Field inspection to evaluate work in progress to confirm that it conforms to the contract documents.
- 3.13 Monitor the Contractors' safety program.
- 3.14 Prepare in conjunction with the District and Consultant all punch-lists. Monitor the completion of the punch-lists by the Contractor.
- 3.15 Coordinate and receive all close-out items including as-built drawings, operation and warranties as required.
- 3.16 Assist with resolving all contract issues, warranties, bonds, etc. at closeout of project.
- 3.17 Prepare a final close out report with recommendation as to final payment, notice of completion, and closeout documentation.

Task 4: Project Management

- 4.1 Consultant will provide project management services for the duration of the contract. These services will include monthly Microsoft Teams meetings with

District staff to review the progress of the project and maintain the schedule and budget. Submit monthly invoices and detailed progress reports in a timely manner. Each progress report shall include work performed during the invoicing period and budget spent, as well as budgeted work versus cost to complete. Coordinate the services of sub-consultants and consultant staff and ensure consistency, accuracy, and timeliness in work products. Maintain thorough documentation of work including a log of deliverables and other documentation pertinent to the administrative record.

D. DELIVERABLES / REPORTS

1. Kickoff Meeting – Consultant will meet with District staff and provide meeting minutes as described in Task 1.1.
2. Project Work Plan – Consultant will prepare a Work Plan as described in Task 1.2. Consultant will provide 1st Draft and Final Work Plan. Allow ten (10) workdays for the District to review and comment on draft work plan.
3. Preliminary Engineering – Consultant will prepare topographic surveys, preliminary site evaluations, and geotechnical investigations as described in Task 2.2. Consultant will provide 1st Draft and Final work products. Allow ten (10) workdays for the District to review and comment on draft work products.
4. Construction Documents – Consultant will prepare Construction Documents as described in Task 2.3. Consultant will provide 1st Draft and Final Construction Documents. Allow ten (10) workdays for the District to review and comment on draft Construction Documents.
5. Pavement Inventory Update – Consultant will update the District’s pavement inventory as described in Task 2.5.5.
6. Meeting Agenda and Minutes – Consultant will conduct monthly Microsoft Teams meetings with the District as described in Task 4.1. Consultant will provide a meeting agenda. Consultant will prepare meeting minutes based on meeting agenda and will summarize decisions and action items.

II. CALENDAR OF EVENTS

EVENT	DATE/LOCATION	
RFP Issued	April 15, 2024	
	April 30 @ 10:00am	via: Microsoft Teams

MANDATORY Proposal Conference		For invitation, contact Sandra Mulhauser at Sandra.mulhauser@ebmud.com .
Response Due	May 13, 2024 by 4:00 p.m.	
Consultant Short-List Interviews	Week of May 27, 2024	
Anticipated Contract Start Date	September 5, 2024	

Note: All dates are subject to change **by District**.

Proposers are responsible for reviewing <https://www.ebmud.com/business-center/requests-proposal-rfps/> for any published addenda. Hard copies of addenda will not be mailed out.

A. **PROPOSAL CONFERENCE**

Mandatory Proposal conference will be held to:

1. Allow the District to discuss the scope of the project.
2. Provide an opportunity for Proposers to ask specific questions about the project and request RFP clarifications.
3. Provide the District with an opportunity to receive feedback regarding the project and RFP.

All questions deemed to be pertinent by the District will be addressed in Addenda following the Proposal conference.

*****In order to be eligible to submit a Proposal on this RFP**, a representative from the Proposer's company **MUST** attend Proposal conference and sign into confirm her/his attendance. If an RFP response is submitted by a company that was not in attendance at this meeting, its RFP response **WILL** be rejected*******

III. DISTRICT PROCEDURES, TERMS, AND CONDITIONS

A. **RFP ACCEPTANCE AND AWARD**

1. RFP responses will be evaluated by the Selection Committee and will be scored and ranked in accordance with the RFP section entitled "Evaluation Criteria/Selection Committee."

2. The Selection Committee will recommend award to the Proposer who, in its opinion, has submitted the RFP response that best serves the overall interests of the District. Award may not necessarily be made to the Proposer with the lowest overall cost.
3. The District reserves the right to award to a single or to multiple General or Professional Service Providers, dependent upon what is in the best interest of the District.
4. The District has the right to decline to award this contract or any part of it for any reason.
5. Any specifications, terms, or conditions issued by the District, or those included in the Proposer's submission, in relation to this RFP, may be incorporated into any purchase order or contract that may be awarded as a result of this RFP.
6. Award of contract. The District reserves the right to reject any or all proposals, to accept one part of a proposal and reject the other, unless the proposer stipulates to the contrary, and to waive minor technical defects and administrative errors, as the interest of the District may require. Award will be made, or proposals rejected by the District as soon as possible after proposals have been opened.

B. EVALUATION CRITERIA/SELECTION COMMITTEE

All proposals will be evaluated by a Selection Committee. The Selection Committee may be composed of District staff and other parties that have expertise or experience in this type of procurement. The Selection Committee will select a Proposer in accordance with the evaluation criteria set forth in this RFP. The evaluation of the RFP responses shall be within the sole judgment and discretion of the Selection Committee.

The Selection Committee will evaluate each RFP response that meet the qualification requirements set forth in this RFP. Proposer should bear in mind that any RFP response that is unrealistic in terms of the technical or schedule commitments, or unrealistically high or low in cost, will be deemed reflective of an inherent lack of technical competence or indicative of a failure to comprehend the complexity and risk of the District's requirements as set forth in this RFP.

RFP responses will be evaluated and scored according to the Evaluation Criteria below and scored according to a zero to five-point scale. The scores for all Evaluation Criteria will then be added to arrive at a weighted score for each RFP response. An RFP response with a high weighted total will be ranked higher than one with a lesser-weighted total.

The Evaluation Criteria are as follows:

	Evaluation Criteria
A.	<p>Cost:</p> <p>The points for Cost will be computed by dividing the amount of the lowest responsive RFP response received by each Proposer's total proposed cost.</p> <p>While not reflected in the Cost evaluation points, an evaluation may also be made of:</p> <ol style="list-style-type: none"> 1. Reasonableness (i.e., does the proposed pricing accurately reflect the Proposer's effort to meet requirements and objectives?); 2. Realism (i.e., is the proposed cost appropriate to the nature of the products and services to be provided?); and 3. Affordability (i.e., the ability of the District to finance this project). <p>Consideration of price in terms of overall affordability may be controlling in circumstances where two or more RFP responses are otherwise judged to be equal, or when a superior RFP response is at a price that the District cannot afford.</p>
B.	<p>Implementation Plan and Schedule:</p> <p>An evaluation will be made of the likelihood that the Proposer's implementation plan and schedule will meet the District's schedule. Additional credit will be given for the identification and planning for mitigation of schedule risks which the Proposer believes may adversely affect any portion of the District's schedule.</p>
C.	<p>Relevant Experience:</p> <p>RFP responses will be evaluated against the RFP specifications and the questions below:</p> <ol style="list-style-type: none"> 1. Do the individuals assigned to the project have experience on similar projects? 2. Are résumés complete and do they demonstrate backgrounds that would be desirable for individuals engaged in the work the project requires? 3. How extensive is the applicable education and experience of the personnel designated to work on the project?
D.	<p>References (See Exhibit A – RFP Response Packet):</p> <p>If a short list process is used for a solicitation, references are only performed on the shortlisted Proposers and the score for reference checks is not included in the preliminary short list score.</p>
E.	<p>Oral Presentation and Interview:</p> <p>The oral interview may consist of standard questions asked of each of the Proposers and specific questions regarding the specific RFP response.</p>
F.	<p>Understanding of the Project:</p>

	<p>RFP responses will be evaluated against the RFP specifications and the questions below:</p> <ol style="list-style-type: none"> 1. Has the Proposer demonstrated a thorough understanding of the purpose and scope of the project? 2. How well has the Proposer identified pertinent issues and potential problems related to the project? 3. Has the Proposer demonstrated that it understands the deliverables the District expects it to provide? 4. Has the Proposer demonstrated that it understands the District's time schedule and can meet it?
G.	<p>Methodology: RFP responses will be evaluated against the RFP specifications and the questions below:</p> <ol style="list-style-type: none"> 1. Does the methodology depict a logical approach to fulfilling the requirements of the RFP? 2. Does the methodology match and contribute to achieving the objectives set out in the RFP? 3. Does the methodology interface with the District's time schedule?
H.	<p>Contract Equity Program: Proposer shall be eligible for SBE or DVBE preference points if they are a certified small business entity, as described in the guidelines contained in Exhibit A-Contract Equity Program, <u>and</u> they check the appropriate box, requesting preference, in Exhibit A-Proposer Information and Acceptance. Qualified DVBEs and/or SBEs will receive an additional 5 points to their total score.</p>

C. PRICING

1. Prices quoted shall be firm for the first 60 months of any contract that may be awarded pursuant to this RFP.
2. All prices quoted shall be in United States dollars.
3. Price quotes shall include any and all payment incentives available to the District.
4. Proposers are advised that in the evaluation of cost, if applicable, it will be assumed that the unit price quoted is correct in the case of a discrepancy between the unit price and extended price.
5. Prevailing Wages:

All Contractors proposing on a public works project and all Subcontractors of any tier shall be registered with the State Department of Industrial Relations pursuant to Section 1725.5 of the Labor Code.

The Contractor shall post a copy of the general prevailing rate of per diem wages at the jobsite pursuant to Section 1773.2 of the Labor Code of the State of California.

Pursuant to the provisions of Division 2, Part 7, Chapter 1, Article 2, and any amendments thereof of the Labor Code of the State of California, the Contractor and any Subcontractor shall pay not less than the specified prevailing rate of wages to all workers employed in the execution of the contract.

The Contractor shall, as a penalty to the State or the District, forfeit Twenty-Five (\$25.00) Dollars for each calendar day, or portion thereof, for each worker paid less than the stipulated prevailing rates for any work or craft in which such worker is employed under the contract by the Contractor or by any Subcontractor. The difference between such stipulated prevailing wage rates and the amount paid to such worker for each calendar day or portion thereof for which each worker was paid less than the stipulated prevailing wage rate shall be paid to each worker by the Contractor. The Contractor shall comply with the provisions of Section 1776 of the Labor Code of the State of California. For all classes of work not specified herein, the minimum wage shall be that specified for general laborer.

The specified wage rates are minimum rates only and the District will not consider and shall not be liable for any claims for additional compensation made by the Contractor because of payment by Contractor of any wage rate in excess of the general prevailing rates. All disputes in regard to the payment of wages in excess of those specified herein shall be adjusted by the Contractor at his own expense.

The holidays upon which such rates shall be paid shall be all holidays recognized in the collective bargaining agreement applicable to the particular craft, classification, or type of worker employed on the project.

D. NOTICE OF INTENT TO AWARD AND PROTESTS

At the conclusion of the RFP response evaluation process, all entities who submitted a proposal package will be notified in writing by e-mail or USPS mail with the name of the Proposer being recommended for contract award. The document providing this notification is the Notice of Intent to Award.

Negotiations for a Consulting Services Agreement with a “not to exceed” contract price (for time and expenses) will be scheduled shortly after the Notice of Intent to Award. If an Agreement cannot be achieved, the District will proceed to negotiate with the next highest ranked Proposer.

Protests must be in writing and must be received no later than seven (7) workdays after the District issues the Notice of Intent to Award. The District will reject the protest as untimely if it is received after this specified time frame. Protests will be accepted from proposers or potential proposers only.

If the protest is mailed and not received by the District, the protesting party bears the burden of proof to submit evidence (e.g., certified mail receipt) that the protest was sent in a timely manner so that it would be received by the District within the RFP protest period.

Proposal protests must contain a detailed and complete written statement describing the reason(s) for protest. The protest must include the name and/or number of the proposal, the name of the firm protesting, and include a name, telephone number, email address and physical address of the protester. If a firm is representing the protester, they shall include their contact information in addition to that of the protesting firm.

Protests must be mailed, hand delivered, or emailed to the Manager of Purchasing, Mailstop 102, East Bay Municipal Utility District, 375 Eleventh Street, Oakland, CA 94607 or P.O. Box 24055, Oakland, California 94623. Facsimile and electronic mail protests must be followed by a mailed or hand delivered identical copy of the protest and must arrive within the seven (7) workday time limit. Any proposal protest filed with any other District office shall be forwarded immediately to the Manager of Purchasing.

In the event that the protest is denied, the protester can appeal the determination to the requesting organization’s Department Director. The appeal must be submitted to the Department Director no later than five (5) workdays from the date which the protest determination was transmitted by the District, to the protesting party. The appeal shall focus on the points raised in the original protest, and no new points shall be raised in the appeal.

Such an appeal must be made in writing and must include all grounds for the appeal and copies of the original protest and the District’s response. The proposal protester must also send the Purchasing Division a copy of all materials sent to the Department Director.

The Department Director will make a determination of the appeal and respond to the protester by certified mail in a timely manner. If the appeal is denied, the letter will include the date, time, and location of the Board of Directors meeting at which staff will make a recommendation for award and inform the protester it may request to address the Board of Directors at that meeting.

The District may transmit copies of the protest and any attached documentation to all other parties who may be affected by the outcome of the protest. The decision of the District as to the validity of any protest is final. This District's final decision will be transmitted to all affected parties in a timely manner.

E. **INVOICING**

1. Following the Districts acceptance of product(s) meeting all specified requirements, and/or the complete and satisfactory performance of services, the District will render payment within thirty (30) days of receipt of a correct invoice.
2. The District will notify the Professional Service Provider of any invoice adjustments required.
3. Invoices shall contain, at a minimum, District purchase order number, invoice number, remit to address, and itemized services description.
4. The District will pay General or Professional Service Provider in an amount not to exceed the negotiated amount(s) which will be referenced in the agreement signed by both parties.

IV. RFP RESPONSE SUBMITTAL INSTRUCTIONS AND INFORMATION

A. **DISTRICT CONTACTS**

All contact during the competitive process is to be through the contact listed on the first page of this RFP. The following persons are to be contacted only for the purposes specified below:

FOR INFORMATION REGARDING TECHNICAL SPECIFICATIONS:

Attn: Sandra Mulhauser, Associate Civil Engineer

EBMUD-Water Distribution Planning Division

E-Mail: sandra.mulhauser@ebmud.com

PHONE: 510-287-7032

FOR INFORMATION ON THE CONTRACT EQUITY PROGRAM:

Attn: Contract Equity Office

PHONE: 510-287-0114

AFTER AWARD:

Attn: Sandra Mulhauser, Associate Civil Engineer

EBMUD-Water Distribution Planning Division

E-Mail: sandra.mulhauser@ebmud.com

PHONE: 510-287-7032

B. SUBMITTAL OF RFP RESPONSE

1. At this time, no hardcopy proposals will be accepted. Upload your RFP response in PDF format and prior to the bid due date/time RFP submittals, in their entirety, shall be emailed to sandra.mulhauser@ebmud.com. The District's email has limitations on attachment size. Make sure your response is less than twenty-five (25) megabytes. If the file exceeds the limit, you will need to send multiple emails. Proposers are solely responsible for ensuring timely delivery of the proposals. The District shall not be responsible for any issues related to transfer of files through email. You may call at (510) 287-7032 to check receipt of the proposal.
2. All costs required for the preparation and submission of an RFP response shall be borne by the Proposer.
3. California Government Code Section 4552: In submitting an RFP response to a public purchasing body, the Proposer offers and agrees that if the RFP response is accepted, it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2, commencing with Section 16700, of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the Proposer for sale to the purchasing body pursuant to the RFP response. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the Proposer.
4. Proposer expressly acknowledges that it is aware that if a false claim is knowingly submitted (as the terms "claim" and "knowingly" are defined in the California False Claims Act, Cal. Gov. Code, §12650 et seq.), the District will be entitled to civil remedies set forth in the California False Claim Act.
5. The RFP response shall remain open to acceptance and is irrevocable for a period of one hundred eighty (180) days, unless otherwise specified in the RFP documents.

6. It is understood that the District reserves the right to reject any or all RFP responses.

c. RESPONSE FORMAT

1. **Proposers shall not modify the existing text for any part of Exhibits A, B, C, D, E, or F or qualify their RFP responses. Proposers shall not submit to the District a re-typed or otherwise re-created version of these documents or any other District-provided document.**
2. RFP responses, in whole or in part, are NOT to be marked confidential or proprietary. The District may refuse to consider any RFP response or part thereof so marked. RFP responses submitted in response to this RFP may be subject to public disclosure. The District shall not be liable in any way for disclosure of any such records.



EXHIBIT A

RFP RESPONSE PACKET

RFP For – Pavement Management Design Services and Construction Management/Construction Inspection Services, RFP No. 730-24-01

To: The EAST BAY MUNICIPAL UTILITY District (“District”)

From: _____
(Official Name of Proposer)

RFP RESPONSE PACKET GUIDELINES

- **SUBMITTAL SHALL CONTAIN THE FOLLOWING:**
 - **EXHIBIT A – RFP RESPONSE PACKET**
 - **INCLUDING ALL REQUIRED DOCUMENTATION AS DESCRIBED IN “EXHIBIT A-REQUIRED DOCUMENTATION AND SUBMITTALS”**
- **PROPOSERS THAT DO NOT COMPLY WITH THE REQUIREMENTS, AND/OR SUBMIT AN INCOMPLETE RFP RESPONSE MAY BE SUBJECT TO DISQUALIFICATION AND THEIR RFP RESPONSE REJECTED IN WHOLE.**
- **IF PROPOSERS ARE MAKING ANY CLARIFICATIONS AND/OR AMENDMENTS, OR TAKING EXCEPTION TO ANY PART OF THIS RFP, THESE MUST BE SUBMITTED IN THE EXCEPTIONS, CLARIFICATIONS, AND AMENDMENTS SECTION OF THIS EXHIBIT A – RFP RESPONSE PACKET. THE DISTRICT, AT ITS SOLE DISCRETION, MAY ACCEPT AMENDMENTS/EXCEPTIONS, OR MAY DEEM THEM TO BE UNACCEPTABLE, THEREBY RENDERING THE RFP RESPONSE DISQUALIFIED.**
- **PROPOSORS SHALL NOT MODIFY DISTRICT LANGUAGE IN ANY PART OF THIS RFP OR ITS EXHIBITS, NOR SHALL THEY QUALIFY THEIR RFP RESPONSE BY INSERTING THEIR OWN LANGUAGE OR FALSE CLAIMS IN THEIR RESPONSE. ANY EXCEPTIONS AND CLARIFICATIONS MUST BE PLACED IN THE “EXCEPTIONS/ CLARIFICATIONS” PAGE, NOT BURIED IN THE PROPOSAL ITSELF.**



PROPOSER INFORMATION AND ACCEPTANCE

1. The undersigned declares that all RFP documents, including, without limitation, the RFP, Addenda, and Exhibits, have been read and that the terms, conditions, certifications, and requirements are agreed to.
2. The undersigned is authorized to offer, and agrees to furnish, the articles and services specified in accordance with the RFP documents.
3. The undersigned acknowledges acceptance of all addenda related to this RFP. List Addenda for this RFP on the line below:

Addendum #	Date

4. The undersigned hereby certifies to the District that all representations, certifications, and statements made by the Proposer, as set forth in this RFP Response Packet and attachments, are true and correct and are made under penalty of perjury pursuant to the laws of California.
5. The undersigned acknowledges that the Proposer is, and will be, in good standing in the State of California, with all the necessary licenses, permits, certifications, approvals, and authorizations necessary to perform all obligations in connection with this RFP and associated RFP documents.
6. It is the responsibility of each Proposer to be familiar with all of the specifications, terms, and conditions and, if applicable, the site condition. By the submission of an RFP response, the Proposer certifies that if awarded a contract it will make no claim against the District based upon ignorance of conditions or misunderstanding of the specifications.
7. Patent indemnity: General or Professional Service Providers who do business with the District shall hold the District, its Directors, officers, agents, and employees harmless from liability of any nature or kind, including cost and expenses, for infringement or use of any patent, copyright or other proprietary right, secret process, patented or unpatented invention, article, or appliance furnished or used in connection with the contract or purchase order.
8. Insurance certificates are not required at the time of submission. However, by signing Exhibit A – RFP Response Packet, the Proposer agrees to meet the minimum insurance requirements stated in the RFP. This documentation must be provided to the District prior to execution of an agreement by the District

and shall include an insurance certificate which meets the minimum insurance requirements, as stated in the RFP.

9. The undersigned acknowledges that RFP responses, in whole or in part, are NOT to be marked confidential or proprietary. The District may refuse to consider any RFP response or part thereof so marked. RFP responses submitted in response to this RFP may be subject to public disclosure. The District shall not be liable in any way for disclosure of any such records.
10. The undersigned Proposer hereby submits this RFP response and binds itself to the District. The RFP, subsequent Addenda, Proposers Response Packet, and any attachments, shall be used to form the basis of a Contract, which once executed shall take precedence.
11. The undersigned acknowledges **ONE** of the following (please check only one box)*:
- ☐ Proposer is not an SBE nor a DVBE and is ineligible for any Proposal preference; **OR**
- ☐ Proposer is an SBE or DVBE as described in the Contract Equity Program (CEP) and Equal Employment Opportunity (EEO) Guidelines, and has completed the CEP and EEO forms at the hyperlink contained in the CEP and EEO section of this Exhibit A.

*If no box is checked it will be assumed that the Proposer is ineligible for Proposal preference, and none will be given. For additional information on SBE/DVBE Proposal preference please refer to the Contract Equity Program and Equal Employment Opportunity Guidelines at the above referenced hyperlink.

Official Name of Proposer (exactly as it appears on Proposer's corporate seal and invoice): _____

Street Address Line 1: _____

Street Address Line 2: _____

City: _____ State: _____ Zip Code: _____

Webpage: _____

Type of Entity / Organizational Structure (check one):

☐ Corporation

☐ Joint Venture

☐ Limited Liability Partnership

☐ Partnership

☐ Limited Liability Corporation

☐ Non-Profit / Church

☐ Other: _____

Jurisdiction of Organization Structure: _____

Date of Organization Structure: _____

Federal Tax Identification Number: _____

Department of Industrial Relations (DIR) Registration Number: _____

Primary Contact Information:

Name / Title: _____

Telephone Number: _____ Fax Number: _____

E-mail Address: _____

Street Address Line 1: _____

City: _____ State: _____ Zip Code: _____

Does proposer or any employee/representative/service provider have any relatives currently employed with EBMUD? (This does not impact award of a qualified proposal; required reporting purposes only.)

☐ YES ☐ NO

If so, please list :

CONTRACTOR OR CONTRACTOR EMPLOYEE FIRST AND LAST NAME	DISTRICT EMPLOYEE FIRST AND LAST NAME	RELATIONSHIP

SIGNATURE: _____

Name and Title of Signer (printed): _____

Dated this _____ day of _____ 20_____



PROPOSAL FORM

Cost shall be submitted on this Proposal Form as is. The prices quoted shall not include Sales Tax or Use Tax; said tax, wherever applicable, will be paid by the District to the Professional Service Provider, if licensed to collect, or otherwise directly to the State.

No alterations or changes of any kind to the Proposal Form(s) are permitted. RFP responses that do not comply may be subject to rejection in total. The cost quoted below shall be the cost the District will pay for the term of any contract that is a result of this RFP process.

Quantities listed herein are annual estimates based on past usage and are not to be construed as a commitment. No minimum or maximum is guaranteed or implied.

Description	Contract Year	Cost
Task 1: Project Initiation	Year 1	\$
Task 2: Pavement Management and Design Services	Year 1	\$
Task 2: Pavement Management and Design Services	Year 2	\$
Task 2: Pavement Management and Design Services	Year 3	\$
Task 2: Pavement Management and Design Services	Year 4	\$
Task 2: Pavement Management and Design Services	Year 5	\$
Task 3: Construction Management and Construction Inspection Services (Optional Task)	Year 1	\$
Task 3: Construction Management and Construction Inspection Services (Optional Task)	Year 2	\$
Task 3: Construction Management and Construction Inspection Services (Optional Task)	Year 3	\$
Task 3: Construction Management and Construction Inspection Services (Optional Task)	Year 4	\$
Task 3: Construction Management and Construction Inspection Services (Optional Task)	Year 5	\$
Task 4: Project Management	Year 1	\$
Task 4: Project Management	Year 2	\$
Task 4: Project Management	Year 3	\$
Task 4: Project Management	Year 4	\$
Task 4: Project Management	Year 5	\$
TOTAL COST		\$



REQUIRED DOCUMENTATION AND SUBMITTALS

All of the specific documentation listed below is required to be submitted with the Exhibit A – RFP Response Packet. Proposers shall submit all documentation, in the order listed below, and clearly label each section of the RFP response with the appropriate title (i.e., Table of Contents, Letter of Transmittal, Key Personnel, etc.).

1. **Letter of Transmittal:** RFP response shall include a description of the Proposer’s capabilities and approach in providing its services to the District, and provide a brief synopsis of the highlights of the RFP response and overall benefits to the District. This synopsis should not exceed three (3) pages in length and should be easily understood.
2. **Key Personnel:** RFP response shall include a complete list of all key personnel associated with the RFP. This list must include all key personnel who will provide services/training to District staff and all key personnel who will provide maintenance and support services. For each person on the list, the following information shall be included:
 - (a) The person’s relationship with the Proposer, including job title and years of employment with the Proposer;
 - (b) The role that the person will play in connection with the RFP;
 - (c) The person’s telephone number, fax number, and e-mail address;
 - (d) The person’s educational background; and
 - (e) The person’s relevant experience, certifications, and/or merits
3. **Description of the Proposed Services:** RFP response shall include a description of the terms and conditions of services to be provided during the contract term including response times. The description shall contain a basis of estimate for services including its scheduled start and completion dates, the number of Proposer’s and District personnel involved, and the number of hours scheduled for each person. Finally, the description must: (1) specify how the services in the RFP response will meet or exceed the requirements of the District; (2) explain any special resources or approaches that make the services of the Proposer particularly advantageous to the District; and (3) identify any limitations or restrictions of the Proposer in providing the services that the District should be aware of in evaluating its RFP response to this RFP.
4. **Implementation Plan and Schedule:** The RFP response shall include an implementation plan and schedule. The plan shall include a detailed schedule indicating how the Proposer will ensure adherence to the timetables for the final deliverables.
5. **Sustainability Statement:** Contractors shall submit a statement regarding any sustainable, environmental or socially responsible initiatives or practices that they or their suppliers engage in. This information can be in relation to the specific services or work products solicited via this RFP, or in relation to the manufacture, delivery, or business practices of your firm.

6. **References:**

- (a) Proposers must use the templates in the “References” section of this Exhibit A – RFP Response Packet to provide references.
- (b) References should have similar scope, volume, and requirements to those outlined in these specifications, terms, and conditions.
 - Proposers must verify the contact information for all references provided is current and valid.
 - Proposers are strongly encouraged to notify all references that the District may be contacting them to obtain a reference.
- (c) The District may contact some or all of the references provided in order to determine Proposer’s performance record on work similar to that described in this RFP. The District reserves the right to contact references other than those provided in the RFP response and to use the information gained from them in the evaluation process.

7. **Exceptions, Clarifications, Amendments:**

- (a) The RFP response shall include a separate section calling out all clarifications, exceptions, and amendments, if any, to the RFP and associated RFP documents, which shall be submitted with the proposer’s RFP response using the template in the “Exceptions, Clarifications, Amendments” section of this Exhibit A – RFP Response Packet.
- (b) **THE DISTRICT IS UNDER NO OBLIGATION TO ACCEPT ANY EXCEPTIONS, AND SUCH EXCEPTIONS MAY BE A BASIS FOR RFP RESPONSE DISQUALIFICATION.**

8. **Contract Equity Program:**

- (a) Every proposer must fill out, sign, and submit the appropriate sections of the Contract Equity Program and Equal Employment Opportunity documents located at the hyperlink contained in the last page of this Exhibit A. Special attention should be given to completing Form P-25, "Employment Data and Certification". Any proposer needing assistance in completing these forms should contact the District's Contract Equity Office at (510) 287-0114 prior to submitting an RFP response.



REFERENCES

RFP For Pavement Management Design Services and Construction Management/Construction Inspection Services, RFP No. 730-24-01

Proposer Name: _____

Proposer must provide a minimum of 3 references.

Company Name:	Contact Person:
Address:	Telephone Number:
City, State, Zip:	E-mail Address:
Services Provided / Date(s) of Service:	

Company Name:	Contact Person:
Address:	Telephone Number:
City, State, Zip:	E-mail Address:
Services Provided / Date(s) of Service:	

Company Name:	Contact Person:
Address:	Telephone Number:
City, State, Zip:	E-mail Address:
Services Provided / Date(s) of Service:	

Company Name:	Contact Person:
Address:	Telephone Number:
City, State, Zip:	E-mail Address:
Services Provided / Date(s) of Service:	

Company Name:	Contact Person:
Address:	Telephone Number:
City, State, Zip:	E-mail Address:

Services Provided / Date(s) of Service:



EXCEPTIONS, CLARIFICATIONS, AMENDMENTS

RFP For Pavement Management Design Services and Construction Management/Construction Inspection Services, RFP No. 730-24-01

Proposer Name: _____

List below requests for clarifications, exceptions, and amendments, if any, to the RFP and associated RFP documents, and submit with your RFP response.

The District is under no obligation to accept any exceptions and such exceptions may be a basis for RFP response disqualification.

Reference to:			Description
Page No.	Section	Item No.	
p. 23	D	1.c.	Proposer takes exception to...

*Print additional pages as necessary



CONTRACT EQUITY PROGRAM & EQUAL EMPLOYMENT OPPORTUNITY

The District's Board of Directors adopted the Contract Equity Program (CEP) to enhance equal opportunities for business owners of all races, ethnicities, and genders who are interested in doing business with the District. The program has contracting objectives, serving as the minimum level of expected contract participation for the three availability groups: white-men owned businesses, white-women owned businesses, and ethnic minority owned businesses. The contracting objectives apply to all contracts that are determined to have subcontracting opportunities, and to all General or Professional Service Providers regardless of their race, gender, or ethnicity.

All Contractors and their subcontractors performing work for the District must be Equal Employment Opportunity (EEO) employers and shall be bound by all laws prohibiting discrimination in employment. There shall be no discrimination against any person, or group of persons, on account of race, color, religion, creed, national origin, ancestry, gender including gender identity or expression, age, marital or domestic partnership status, mental disability, physical disability (including HIV and AIDS), medical condition (including genetic characteristics or cancer), genetic information, or sexual orientation.

Contractor and its subcontractors shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity, or national origin in the performance of this contract. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

All Contractors shall include the nondiscrimination provisions above in all subcontracts.

Please include the required completed forms with your proposal. Non-compliance with the Guidelines may deem a proposal non-responsive, and therefore, ineligible for contract award. Your firm is responsible for:

- 1) Reading and understanding the CEP guidelines.
- 2) Filling out and submitting with your proposal the appropriate forms.

The CEP guidelines and forms can be downloaded from the District website at the following link:

<https://www.ebmud.com/business-center/contract-equity-program>

If you have questions regarding the Contract Equity Program, please call (510) 287-0114.



EXHIBIT B

INSURANCE REQUIREMENTS

PROPOSER shall take out and maintain during the life of the Agreement all insurance required and PROPOSER shall not commence work until such insurance has been approved by DISTRICT. The proof of insurance shall be on forms provided by DISTRICT directly following these Insurance Requirements.

PROPOSERS are not required to submit completed insurance verification documents with their bid but will be required to submit them upon notification of award. By signing Exhibit A – RFP Response Packet, the Proposer agrees to meet the minimum insurance requirements stated in the RFP.

The following provisions applicable to all required insurance:

- A. Prior to the beginning of and throughout the duration of Services, and for any additional period of time as specified below, CONTRACTOR shall, at its sole cost and expense, maintain insurance in conformance with the requirements set forth below.
- B. CONTRACTOR shall provide Verification of Insurance as required by this Agreement by providing the completed Verification of Insurance as requested below signing and submitting this Exhibit B to the DISTRICT. The Exhibit B may be signed by an officer of the CONTRACTOR (Agent) or by the Insurance Broker for the CONTRACTOR. CONTRACTOR shall update Exhibit B throughout the specified term of the insurance required by this Agreement by resubmitting the completed Exhibit B prior to the expiration date of any of the required insurance. The updated Exhibit B shall become a part of the Agreement but shall not require a change order to the Agreement. The Notice to Proceed shall not be issued, and CONTRACTOR shall not commence Services until such insurance has been accepted by the DISTRICT.
- C. CONTRACTOR shall carry and maintain the minimum insurance requirements as defined in this Agreement. CONTRACTOR shall require any subcontractor to carry and maintain the minimum insurance required in this Agreement to the extent they apply to the scope of the services to be performed by subcontractor.
- D. Acceptance of verification of Insurance by the DISTRICT shall not relieve CONTRACTOR of any of the insurance requirements, nor decrease liability of CONTRACTOR.
- E. The insurance required hereunder may be obtained by a combination of primary, excess and/or umbrella insurance, and all coverage shall be at least as broad as the requirements listed in this Agreement.
- F. Any deductibles, self-insurance, or self-insured retentions (SIRs) applicable to the required insurance coverage must be declared to and accepted by the DISTRICT.
- G. At the option and request of the DISTRICT, CONTRACTOR shall provide documentation of its financial ability to pay the deductible, self-insurance, or SIR.
- H. Any policies with a SIR shall provide that any SIR may be satisfied, in whole or in part, by the DISTRICT or the additional insured at its sole and absolute discretion.

- I. Unless otherwise accepted by the DISTRICT, all required insurance must be placed with insurers with a current A.M. Best's rating of no less than A- V.
- J. CONTRACTOR shall defend the DISTRICT and pay any damages as a result of failure to provide the waiver of subrogation from the insurance carrier.
- K. For any coverage that is provided on a claims-made coverage form (which type of form is permitted only where specified) the retroactive date must be shown and must be before the date of this Agreement, and before the beginning of any Services related to this Agreement.
- L. Insurance must be maintained, and updated Verification of Insurance be provided to the DISTRICT before the expiration of insurance by having CONTRACTOR's insurance broker or agent update, sign and return Exhibit B to the DISTRICT's contract manager. For all claims-made policies the updated Verification of Insurance must be provided to the DISTRICT for at least three (3) years after expiration of this Agreement.
- M. If claims-made coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a retroactive date prior to the effective date of this Agreement or the start of any Services related to this Agreement, CONTRACTOR must purchase an extended reporting period for a minimum of three (3) years after expiration of the Agreement.
- N. If requested by the DISTRICT, a copy of the policies' claims reporting requirement must be submitted to the DISTRICT for review.
- O. Where additional insured coverage is required, the additional insured coverage shall be "primary and non-contributory," and will not seek contribution from the DISTRICT's insurance or self-insurance.
- P. CONTRACTOR agrees to provide immediate Notice to the DISTRICT of any loss or claim against CONTRACTOR arising out of, pertaining to, or in any way relating to this Agreement, or Services performed under this Agreement. The DISTRICT assumes no obligation or liability by such Notice but has the right (but not the duty) to monitor the handling of any such claim or claims if they are likely to involve the DISTRICT.
- Q. CONTRACTOR agrees, upon request by the DISTRICT, to provide complete, certified copies of any policies and endorsements within ten (10) days of such request (copies of policies may be redacted to eliminate premium details.)
- R. It is CONTRACTOR's responsibility to ensure its compliance with the insurance requirements. Any actual or alleged failure on the part of the DISTRICT to obtain proof of insurance required under this Agreement shall not in any way be construed to be a waiver of any right or remedy of the DISTRICT, in this or any regard.
- S. Notice of Cancellation/Non-Renewal/Material Reduction. The insurance requirements hereunder are mandatory, and the DISTRICT may, at its sole and absolute discretion, terminate the services provided by CONTRACTOR, should CONTRACTOR breach its obligations to maintain the required coverage and limits set forth in this Agreement. No coverage required hereunder shall be cancelled, non-renewed or materially reduced in coverage or limits without the DISTRICT being provided at least thirty (30) days prior written notice, other than cancellation for the non-payment of premiums, in which event the

DISTRICT shall be provided ten (10) days prior written notice. Replacement of coverage with another policy or insurer, without any lapse in coverage or any reduction of the stated requirements does not require notice beyond submission to the DISTRICT of an updated Verification of Insurance which shall be met by having the CONTRACTOR's insurance broker or agent update, sign and return this EXHIBIT B.

I. Workers' Compensation and Employer's Liability Insurance Coverage

- A. Workers' Compensation insurance including Employer's Liability insurance with minimum limits as follows:
- Coverage A. Statutory Benefits Limits
 - Coverage B. Employer's Liability of not less than:
 - Bodily Injury by accident: \$1,000,000 each accident
 - Bodily Injury by disease: \$1,000,000 each employee
 - Bodily Injury by disease: \$1,000,000 policy limit
- B. If there is an onsite exposure of injury to CONTRACTOR, subcontractor, and/or subcontractor's employees under the U.S. Longshore and Harbor Workers' Compensation Act, the Jones Act, or under laws, regulations or statutes applicable to maritime employees, coverage is required for such injuries or claims.
- C. If CONTRACTOR is self-employed, a sole proprietorship or a partnership, with no employees, and is exempt from carrying Workers' Compensation Insurance, CONTRACTOR must return the completed Verification of Insurance confirming that CONTRACTOR has no employees and is exempt from the State of California Workers' Compensation requirements.
- D. If CONTRACTOR is self-insured with respect to Workers' Compensation coverage, CONTRACTOR shall provide to the DISTRICT a Certificate of Consent to Self-Insure from the California Department of Industrial Relations. Such self-insurance shall meet the minimum limit requirements and shall waive subrogation rights in favor of the DISTRICT as stated below in section "F."
- E. Waiver of Subrogation. Workers' Compensation policies, including any applicable excess and umbrella insurance, must contain a waiver of subrogation endorsement providing that CONTRACTOR and each insurer waive any and all rights of recovery by subrogation, or otherwise, against the DISTRICT, its directors, board, and committee members, officers, officials, employees, agents, and volunteers. CONTRACTOR shall defend and pay any and all damages, fees, and costs, of any kind arising out of, pertaining to, or in any way relating to CONTRACTOR's failure to provide waiver of subrogation from the insurance carrier.

INSURANCE VERIFICATION DOCUMENTS

Verification of Workers' Compensation and Employer's Liability Insurance Coverage

☐ By checking the box and signing below, I hereby verify that the CONTRACTOR is exempt from the State of California's requirement to carry workers' compensation insurance.

As the CONTRACTOR's insurance broker/agent, I hereby verify that I have reviewed and confirmed that the CONTRACTOR carries workers' compensation insurance as required by this Agreement, including the relevant provisions applicable to all required insurance.

Self-Insured Retention Amount: \$ _____

Policy Limit: \$ _____

Policy Number: _____

Policy Period: from: _____ to: _____

Insurance Carrier Name: _____

Insurance Broker or Agent: Print Name: _____

Insurance Broker or Agent's Signature: _____

II. Commercial General Liability Insurance (“CGL”) Coverage

- A. CONTRACTOR’s insurance shall be primary, and any insurance or self-insurance procured or maintained by the DISTRICT shall not be required to contribute to it.
- B. The insurance requirements under this Agreement shall be the greater of (1) the minimum coverage and limits specified in this Agreement; or (2) the broader coverage and maximum limits of coverage of any insurance policies or proceeds available to the Named Insured. It is agreed that these insurance requirements shall not in any way act to reduce coverage that is broader or that includes higher limits than the minimums required herein. No representation is made that the minimum insurance requirements of this Agreement are sufficient to cover the obligations of the CONTRACTOR.
- C. Minimum Requirements. CGL insurance with minimum per occurrence and aggregate limits as follows:
- | | |
|------------------------------------|--|
| Bodily Injury and Property Damage | \$2,000,000 per occurrence & aggregate |
| Personal Injury/Advertising Injury | \$2,000,000 per occurrence & aggregate |
| Products/Completed Operations | \$2,000,000 per occurrence & aggregate |
- D. Coverage must be on an occurrence basis.
- E. Coverage for Products, and Completed Operations, and Ongoing Operations must be included in the insurance policies and shall not contain any “prior work” coverage limitation or exclusion applicable to any Services performed by CONTRACTOR and/or subcontractor under this Agreement.
- F. Insurance policies and Additional Insured Endorsement(s) Coverage shall be included for all premises and operations in any way related to this Agreement.
- G. Insurance policies and Additional Insured Endorsement(s) shall not exclude liability and damages to work arising out of, pertaining to, or in any way relating to services performed by Subcontractor on CONTRACTOR’s behalf.
- H. Contractual liability coverage shall be included and shall not limit, by any modification or endorsement, coverage for liabilities assumed by CONTRACTOR under this Agreement as an “insured contract.”
- I. Waiver of Subrogation. The policy shall be endorsed to include a Waiver of Subrogation ensuring that the CONTRACTOR and its insurer(s) waive any rights of recovery by subrogation, or otherwise, against the DISTRICT, its directors, board, and committee members, officers, officials, agents, volunteers, and employees. CONTRACTOR shall defend and pay any and all damages, fees, and costs, of any kind, arising out of, pertaining to, or in any way resulting from CONTRACTOR’s failure to provide the waiver of subrogation from its insurance carrier(s).

- J. "Independent CONTRACTOR's Liability" shall not limit coverage for liability and/or damages arising out of, pertaining to, or in any way resulting from Services provided under this Agreement.
- K. To the fullest extent permitted by law, the DISTRICT, its directors, board, and committee members, officers, officials, employees, agents, and volunteers must be covered as Additional Insureds on a primary and noncontributory basis on all underlying, excess and umbrella policies that shall be evidenced in each case by an endorsement. The Additional Insureds must be covered for liability arising in whole, or in part, from any premises, Products, Ongoing Operations, and Completed Operations by or on behalf of CONTRACTOR, in any way related to Services performed under this Agreement.
- L. A severability of interest provision must apply for all the Additional Insureds, ensuring that CONTRACTOR's insurance shall apply separately to each insured against whom a claim is made, or suit is brought, except with respect to the policies' limit(s).

Verification of Commercial General Liability (CGL) Insurance Coverage

As the CONTRACTOR'S insurance broker/agent, I hereby verify that I have reviewed and confirmed that the CONTRACTOR carries Commercial General Liability insurance, as required by this Agreement, including the relevant provisions applicable to all required insurance:

Self-Insured: Amount: \$_____

Policy Limit: Per Occurrence: \$_____ **Aggregate: \$**_____

Policy Number: _____

Policy Period: from:_____ **to:**_____

Insurance Carrier Name:_____

Insurance Broker or Agent: Print Name:_____

Insurance Broker or Agent's Signature: _____

III. Business Auto Liability Insurance Coverage

CONTRACTOR's insurance shall be primary, and any insurance or self-insurance procured or maintained by the DISTRICT shall not be required to contribute to it.

A. The insurance requirements under this Agreement shall be the greater of (1) the minimum coverage and limits specified in this Agreement; or (2) the broader coverage and maximum limits of coverage of any insurance policies or proceeds available to the Named Insured. It is agreed that these insurance requirements shall not in any way act to reduce coverage that is broader or that includes higher limits than the minimums required herein. No representation is made that the minimum insurance requirements of this Agreement are sufficient to cover the obligations of the CONTRACTOR.

B. Minimum Requirements. Auto insurance with minimum coverage and limits as follows:

Each Occurrence Limit (per accident) and in the Aggregate:	\$2,000,000
Bodily Injury and Property Damage:	\$2,000,000

C. Coverage must include either "owned, non-owned, and hired" autos or "any" automobile

This provision ensures the policy covers losses arising out of use of company-owned vehicles ("owned autos"), employee's personal autos ("non-owned autos" meaning not owned by company/insured) or autos that are rented or leased ("hired autos").

D. If CONTRACTOR is transporting hazardous materials or contaminants, evidence of the Motor Carrier Act Endorsement-hazardous materials clean-up (MCS-90, or its equivalent) must be provided.

E. If CONTRACTOR's Scope of Services under this Agreement exposes a potential pollution liability risk related to transport of potential pollutants, seepage, release, escape or discharge of any nature (threatened or actual) of pollutants into the environment arising out of, pertaining to, or in any way related to CONTRACTOR's and/or Subcontractor's performance under this Agreement, then Auto Liability Insurance policies must be endorsed to include Transportation Pollution Liability insurance. Alternatively, coverage may be provided under the CONTRACTOR's Pollution Liability Policies if such policy has no exclusions that would restrict coverage under this Agreement. Coverage shall also include leakage of fuel or other "pollutants" needed for the normal functioning of covered autos.

F. To the fullest extent permitted by law, the DISTRICT, its directors, board, and committee members, officers, officials, employees, agents, and volunteers must be covered as Additional Insureds on a primary and noncontributory basis on all underlying and excess and umbrella policies. The Additional Insureds must be covered for liability arising in whole, or in part, from any premises, Products, Ongoing Operations, and Completed Operations by or on behalf of CONTRACTOR, in any way related to Services performed under this Agreement.

- G. A severability of interest provision must apply for all the Additional Insureds, ensuring that CONTRACTOR's insurance shall apply separately to each insured against whom a claim is made, or suit is brought, except with respect to the insurer's limits of liability.

Verification of Business Auto Liability Insurance Coverage

As the CONTRACTOR'S insurance broker/agent, I hereby verify that I have reviewed and confirmed that the CONTRACTOR carries Business Automobile Liability insurance, as required by this Agreement, including the relevant provisions applicable to all required insurance:

Self-Insured: Amount: \$ _____

Policy Limit: Per Accident/Occurrence \$ _____ **Aggregate: \$** _____

Policy Number: _____

Policy Period: from: _____ **to:** _____

Insurance Carrier Name: _____

Insurance Broker or Agent: Print Name: _____

Insurance Broker or Agent's Signature: _____

IV. Professional Liability (also known as Errors and Omissions) Insurance Coverage

- A. CONTRACTOR's insurance shall be primary, and any insurance or self-insurance procured or maintained by the DISTRICT shall not be required to contribute to it.
- B. The insurance requirements under this Agreement shall be the greater of (1) the minimum coverage and limits specified in this Agreement; or (2) the broader coverage and maximum limits of coverage of any insurance policies or proceeds available to the Named Insured. It is agreed that these insurance requirements shall not in any way act to reduce coverage that is broader or that includes higher limits than the minimums required herein. No representation is made that the minimum insurance requirements of this Agreement are sufficient to cover the obligations of the CONTRACTOR.
- C. Minimum Requirements: Professional Liability Insurance with minimum limits as follows:

Each Claim or Occurrence Limit:	\$2,000,000
Aggregate Limit:	\$2,000,000
- D. If Coverage is written on a claims-made form, the following shall apply:
 - 1. The retroactive date must be shown and must be before the date of the Agreement or the beginning of the Services.
 - 2. Insurance must be maintained, and evidence of insurance must be provided for a minimum of three (3) years after completion of the Services.
 - 3. If claims-made coverage is canceled or non-renewed, and not replaced with another claims-made policies form with a retroactive date prior to the effective date of the Agreement, CONTRACTOR must purchase an extended period of coverage for a minimum of three (3) years after completion of the Services.
- E. Insurance shall include prior acts coverage sufficient to cover the services under this Agreement.
- F. Coverage shall be included for all premises and operations in any way related to this Agreement.

Verification of Professional Liability (Errors and Omissions) Insurance Coverage

As the CONTRACTOR'S insurance broker/agent, I hereby verify that I have reviewed and confirmed that the CONTRACTOR carries Professional Liability insurance as required by this Agreement, including the relevant provisions applicable to all required insurance.

Self-Insured: Amount: \$ _____

Policy Limit: Per Claim \$ _____ Aggregate: \$ _____

Policy Number: _____

Policy Period: from: _____ to: _____

Insurance Carrier Name: _____

Insurance Broker or Agent: Print Name: _____

Insurance Broker or Agent's Signature: _____

VI. Excess and/or Umbrella Liability Insurance Coverage

- A. CONTRACTOR's insurance shall be primary, and any insurance or self-insurance procured or maintained by the DISTRICT shall not be required to contribute to it.
- B. The insurance requirements under this Agreement shall be the greater of (1) the minimum coverage and limits specified in this Agreement; or (2) the broader coverage and maximum limits of coverage of any insurance policies or proceeds available to the Named Insured. It is agreed that these insurance requirements shall not in any way act to reduce coverage that is broader or that includes higher limits than the minimums required herein. No representation is made that the minimum insurance requirements of this Agreement are sufficient to cover the obligations of the CONTRACTOR.
- C. Minimum Requirements: It is expressly understood by the parties that CONTRACTOR's Excess and/or Umbrella Liability policies shall, at minimum, comply with all insurance requirements set forth within this Agreement.
 - 1. Coverage for Products, Completed Operations, and Ongoing Operations must be included in the insurance policies and shall not contain any "prior work" coverage limitation or exclusion applicable to any Services performed under this Agreement and, if it is a claims-made policy, it must be maintained for a minimum of three (3) years following final completion of the Services.
 - 2. Coverage shall be included for all premises and operations in any way related to this Agreement.
 - 3. There will be no exclusion for explosions, collapse, or underground damage (XCU).
 - 4. Insurance policies and Additional Insured Endorsements shall not exclude coverage for liability and damages from services performed by Subcontractor on CONTRACTOR's behalf.
 - 5. Contractual liability coverage shall be included and shall not limit, by any modification or endorsement, coverage for liabilities assumed by CONTRACTOR under this Agreement as an "insured contract."
 - 6. "Independent CONTRACTOR's Liability" shall not limit coverage for liability and/or damage arising out of, pertaining to, or in any way related to Services provided under this Agreement.
 - 7. To the fullest extent permitted by law, the DISTRICT, its directors, officers, officials, agents, volunteers, and employees must be covered as Additional Insureds on a primary and noncontributory basis on all excess and umbrella policies. The Additional Insureds must be covered for liability arising in whole or in part from any premises, Products, Ongoing Operations, and Completed Operations by or on behalf of CONTRACTOR, in any way related to Services performed under this Agreement.

8. A severability of interest provision must apply for all the Additional Insureds, ensuring that the CONTRACTOR's insurance shall apply separately to each insured against whom a claim is made, or suit is brought, except with respect to the policy's limits.
 9. CONTRACTOR and its excess and/or umbrella Liability insurance coverage must waive any rights of subrogation against the DISTRICT, its directors, officers, officials, employees, agents, and volunteers, and CONTRACTOR shall defend and pay any damages as a result of failure to provide the waiver of subrogation from the insurance carrier(s).
- D. CONTRACTOR shall defend and pay any damages as a result of failure to provide the waiver of subrogation from the insurance carrier(s).

Verification of Excess and/or Umbrella Liability Insurance Coverage

As the CONTRACTOR'S insurance broker/agent, I hereby verify that I have reviewed and confirmed that the CONTRACTOR carries Excess and/or Umbrella Liability insurance, as required by this Agreement, including the relevant provisions applicable to all required insurance.

Self-Insured: Amount: \$_____

Policy Number: _____

Policy Period: from:_____ **to:** _____

Insurance Carrier Name:_____

Insurance Broker or Agent: Print Name:_____

Insurance Broker or Agent's Signature: _____



EXHIBIT C

CONSULTING AND PROFESSIONAL SERVICES AGREEMENT

*(Standard Consulting Agreement for
Contracts Greater than \$80,000 - Revised 6/2/2021)
(Note: Reference District Procedure No. 451)*

**CONSULTING AND PROFESSIONAL
SERVICES AGREEMENT FOR
EAST BAY MUNICIPAL UTILITY DISTRICT**
*Pavement Management Design Services and Construction Management/Construction
Inspection Services, RFP No. 730-24-01*

THIS Agreement is made and entered into this _____ day of *(month)*, 201_, by and between **EAST BAY MUNICIPAL UTILITY DISTRICT**, a public entity, hereinafter called "DISTRICT," and *(CONSULTANT'S FULL LEGAL NAME, BOLD, ALL CAPS followed by type of entity [corporation, etc.])*, hereinafter called "CONSULTANT."

WITNESSETH

WHEREAS, DISTRICT requires consulting services for *Pavement Management Design Services and Construction Management/Construction Inspection Services*; and

WHEREAS, CONSULTANT has submitted a proposal to provide consulting services for *Pavement Management Design Services and Construction Management/Construction Inspection Services* for the *various District facility sites* and CONSULTANT represents that it has the experience, licenses, qualifications, staff expertise and where necessary the required Department of Industrial Relations (DIR) registration to perform said services in a professional and competent manner; and

IF OVER \$80,000:

WHEREAS, DISTRICT Board of Directors has authorized the contract by Motion Number _____;

ARTICLE 1 - SCOPE OF WORK

- 1.1 CONSULTANT agrees to furnish services set forth in Exhibit A, Scope of Services, attached hereto and incorporated herein. The services authorized under this Agreement shall also include all reports, manuals, plans, and specifications as set forth in Exhibit A.
- 1.2 CONSULTANT's work products shall be completed and submitted in accordance with DISTRICT's standards specified, and according to the schedule listed, in Exhibit A. The completion dates specified herein may be modified by mutual agreement between DISTRICT and CONSULTANT provided that DISTRICT's Project Manager notifies CONSULTANT of modified completion dates by letter. CONSULTANT agrees to diligently perform the services to be provided under this Agreement. In the performance of this Agreement, time is of the essence.
- 1.3 It is understood and agreed that CONSULTANT has the professional skills necessary to perform the work agreed to be performed under this Agreement, that DISTRICT relies upon the professional skills of CONSULTANT to do and perform CONSULTANT's work in a skillful and professional manner, and CONSULTANT thus agrees to so perform the work. CONSULTANT represents that it has all the necessary licenses to perform the work and shall maintain them during the term of this Agreement. CONSULTANT agrees that the work performed under this Agreement shall follow practices usual and customary to the *Pavement Design and Construction Management/Construction Inspection* profession and that CONSULTANT is the engineer in responsible charge of the work for all activities performed under this Agreement. Acceptance by DISTRICT of the work performed under this Agreement does not operate as a release of CONSULTANT from such professional responsibility for the work performed.
- 1.4 CONSULTANT agrees to maintain in confidence and not disclose to any person or entity, without DISTRICT's prior written consent, any trade secret or confidential information, knowledge or data relating to the products, process, or operation of DISTRICT. CONSULTANT further agrees to maintain in confidence and not to disclose to any person or entity, any data, information, technology, or material developed or obtained by CONSULTANT during the term of this Agreement. The covenants contained in this paragraph shall survive the termination of this Agreement for whatever cause.
- 1.5 The originals of all computations, drawings, designs, graphics, studies, reports, manuals, photographs, videotapes, data, computer files, and other documents prepared or caused to be prepared by CONSULTANT or its subconsultants in connection with these services shall be delivered to and shall become the exclusive property of DISTRICT. DISTRICT is licensed to utilize these documents for DISTRICT applications on other projects or extensions of this project, at its own risk. CONSULTANT and its subconsultants may retain and use copies of such documents, with written approval of DISTRICT.

- 1.6 CONSULTANT is an independent contractor and not an employee of DISTRICT. CONSULTANT expressly warrants that it will not represent that it is an employee or servant of DISTRICT.
- 1.7 CONSULTANT is retained to render professional services only and all payments made are compensation solely for such services as it may render and recommendations it may make in carrying out the work.
- 1.8 It is further understood and agreed by the parties hereto that CONSULTANT in the performance of its obligations hereunder is subject to the control or direction of DISTRICT as to the designation of tasks to be performed, the results to be accomplished by the services hereunder agreed to be rendered and performed, and not the means, methods, or sequence used by the CONSULTANT for accomplishing the results.
- 1.9 If, in the performance of this agreement, any third persons are employed by CONSULTANT, such person shall be entirely and exclusively under the direction, supervision, and control of CONSULTANT. All terms of employment, including hours, wages, working conditions, discipline, hiring, and discharging, or any other terms of employment or requirements of law, shall be determined by CONSULTANT, and DISTRICT shall have no right or authority over such persons or the terms of such employment.
- 1.10 It is further understood and agreed that as an independent contractor and not an employee of DISTRICT, neither the CONSULTANT nor CONSULTANT's assigned personnel shall have any entitlement as a DISTRICT employee, right to act on behalf of DISTRICT in any capacity whatsoever as agent, nor to bind DISTRICT to any obligation whatsoever. CONSULTANT shall not be covered by DISTRICT's worker's compensation insurance; nor shall CONSULTANT be entitled to compensated sick leave, vacation leave, retirement entitlement, participation in group health, dental, life or other insurance programs, or entitled to other fringe benefits payable by DISTRICT to employees of DISTRICT.

ARTICLE 2 - COMPENSATION

- 2.1 For the Scope of Services described in Exhibit A, DISTRICT agrees to pay CONSULTANT actual costs incurred, subject to a Maximum Cost Ceiling of **\$(dollars)**. Compensation for services shall be in accordance with the method and amounts described in Exhibit B, attached hereto and incorporated herein. CONSULTANT acknowledges that construction work on public works projects requires DIR registration and is subject to prevailing wage rates and includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work. CONSULTANT certifies that the proposed cost and pricing data used herein reflect the payment of prevailing wage rates where applicable and are complete, current, and accurate.

- 2.2 In case of changes affecting project scope resulting from new findings, unanticipated conditions, or other conflicts or discrepancies, CONSULTANT shall promptly notify DISTRICT of the identified changes and advise DISTRICT of the recommended solution. Work shall not be performed on such changes without prior written authorization of DISTRICT.

ARTICLE 3 - NOTICE TO PROCEED

- 3.1 This Agreement shall become effective upon execution of the second signature. CONSULTANT shall commence work upon receipt of DISTRICT's Notice to Proceed, which shall be in the form of a letter signed by DISTRICT's Project Manager. DISTRICT's Notice to Proceed will authorize the Contracted Services described in Exhibit A with ceiling prices described in ARTICLE 2 – COMPENSATION. No work shall commence until the Notice to Proceed is issued.
- 3.2 DISTRICT may at its option issue a Notice to Proceed for some or all of the Optional Services tasks described in Exhibit A. Compensation for Optional Services shall be in accordance with the method and amounts described in Exhibit B.

ARTICLE 4 - TERMINATION

- 4.1 This Agreement may be terminated by DISTRICT immediately for cause or upon ten (10) days written notice, without cause, during the performance of the work.
- 4.2 If this Agreement is terminated CONSULTANT shall be entitled to compensation for services satisfactorily performed to the effective date of termination; provided however, that DISTRICT may condition payment of such compensation upon CONSULTANT's delivery to DISTRICT of any and all documents, photographs, computer software, videotapes, and other materials provided to CONSULTANT or prepared by CONSULTANT for DISTRICT in connection with this Agreement. Payment by DISTRICT for the services satisfactorily performed to the effective date of termination, shall be the sole and exclusive remedy to which CONSULTANT is entitled in the event of termination of the Agreement and CONSULTANT shall be entitled to no other compensation or damages and expressly waives same. Termination under this Article 4 shall not relieve CONSULTANT of any warranty obligations or the obligations under Articles 1.4 and 7.1.

ARTICLE 5 - PROJECT MANAGERS

- 5.1 DISTRICT designates ***Sandra Mulhauser*** as its Project Manager, who shall be responsible for administering and interpreting the terms and conditions of this Agreement, for matters relating to CONSULTANT's performance under this Agreement, and for liaison and coordination between DISTRICT and CONSULTANT.

CONSULTANT may be requested to assist in such coordinating activities as necessary as part of the services. In the event DISTRICT wishes to make a change in the DISTRICT's representative, DISTRICT will notify CONSULTANT of the change in writing.

- 5.2 CONSULTANT designates (*Consultant Project Manager's name*) as its Project Manager, who shall have immediate responsibility for the performance of the work and for all matters relating to performance under this Agreement. Any change in CONSULTANT designated personnel or subconsultant shall be subject to approval by the DISTRICT Project Manager.

ARTICLE 6 - CONTRACT EQUITY PROGRAM COMPLIANCE

- 6.1 CONSULTANT expressly agrees that this Agreement is subject to DISTRICT's Contract Equity Program ("CEP"). CONSULTANT is familiar with the DISTRICT's CEP and Equal Opportunity Guidelines, and has read and understood all of the program requirements. CONSULTANT understands and agrees to comply with the CEP and all requirements therein, including each of the Good Faith Efforts. CONSULTANT further understands and agrees that non-compliance with the CEP requirements may result in termination of this Agreement.
- 6.2 Designated CEP compliance for the duration of this Agreement is listed in Exhibit C, which is attached hereto and incorporated herein. CONSULTANT shall maintain records of the total amount actually paid to each subconsultant. Any change of CONSULTANT'S listed subconsultants shall be subject to approval by the DISTRICT'S Project Manager.

ARTICLE 7 - INDEMNIFICATION AND INSURANCE

7.1 Indemnification

CONSULTANT expressly agrees to defend, indemnify and hold harmless DISTRICT and its Directors, officers, agents and employees from and against any and all loss, liability, expenses, claims, suits, and damages, including attorneys' fees, arising out of or pertaining to, or relating to CONSULTANT's, its associates', employees', subconsultants', or other agents' negligence, recklessness or willful misconduct in the operation and/or performance under this Agreement.

Where applicable by law, the duty to indemnify, including the cost to defend is limited in accordance with California Civil Code § 2782.8.

7.2

CONSULTANT shall perform part of the work at sites where the DISTRICT's facilities are to be constructed, and which may contain unknown working conditions and contaminated materials. CONSULTANT shall be solely responsible for the health and safety of CONSULTANT's employees. CONSULTANT shall designate in writing to DISTRICT the field employee who is responsible for the health and safety of its employees. The responsible employee shall have experience and knowledge of all Federal, State and local health and safety regulation requirements. All CONSULTANT personnel on construction sites shall have received all OSHA required health and safety training.

7.3

In the event that any hazardous materials are encountered during the services provided by CONSULTANT or the work undertaken by construction contractors, DISTRICT shall sign any and all manifests relating to the generation, treatment, disposal or storage of all wastes associated with the work. Additionally, nothing contained in this Agreement shall be construed or interpreted as requiring CONSULTANT to assume the status of a generator, storer, treater, transporter, or disposal facility as those terms appear within the Resource Conservation and Recovery Act, 42 USCA, Section 6901, et seq. (RCRA), or within any state statute of similar effect governing the generation, storage, treatment, transportation, or disposal of wastes.

7.5 Insurance Requirements

REFERENCE EXHIBIT B OF THIS RFP FOR INSURANCE REQUIREMENTS

ARTICLE 8 – NOTICES

Any notice which DISTRICT may desire or is required at any time to give or serve CONSULTANT may be delivered personally, or be sent by United States mail, postage prepaid, addressed to:

(consulting firm's name)

(address)

Attention: *(contact, usually the consultant's project manager)*,

or at such other address as shall have been last furnished in writing by CONSULTANT to DISTRICT.

Any notice which CONSULTANT may desire or is required at any time to give or serve upon DISTRICT may be delivered personally at EBMUD, 375 11th Street, Oakland, CA 94607-4240, or be sent by United States mail, postage prepaid, addressed to:

David Briggs, Director of Operations & Maintenance
P.O. Box 24055

Oakland, CA 94623-1055

or at such other address as shall have been last furnished in writing by DISTRICT to CONSULTANT.

Such personal delivery or mailing in such manner shall constitute a good, sufficient and lawful notice and service thereof in all such cases.

ARTICLE 9 – MISCELLANEOUS

- 9.1 This Agreement represents the entire understanding of DISTRICT and CONSULTANT as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This Agreement may only be modified by amendment in writing signed by each party.
- 9.2 This Agreement is to be binding on the successors and assigns of the parties hereto. The services called for herein are deemed unique and CONSULTANT shall not assign, transfer or otherwise substitute its interest in this Agreement or any of its obligations hereunder without the prior written consent of DISTRICT.
- 9.3 Should any part of this Agreement be declared by a final decision by a court or tribunal of competent jurisdiction to be unconstitutional, invalid or beyond the authority of either party to enter into or carry out, such decision shall not affect the validity of the remainder of this Agreement, which shall continue in full force and effect, provided that the remainder of this Agreement can be interpreted to give effect to the intentions of the parties.
- 9.4 Multiple copies of this Agreement may be executed by the parties and the parties agree that the Agreement on file at the DISTRICT is the version of the Agreement that shall take precedence should any differences exist among counterparts of the Agreement.
- 9.5 This Agreement and all matters relating to it shall be governed by the laws of the State of California.
- 9.6 The District's waiver of the performance of any covenant, condition, obligation, representation, warranty or promise in this agreement shall not invalidate this Agreement or be deemed a waiver of any other covenant, condition, obligation, representation, warranty or promise. The District's waiver of the time for performing any act or condition hereunder does not constitute a waiver of the act or condition itself.
- 9.7 There shall be no discrimination in the performance of this contract, against any person, or group of persons, on account of race, color, religion, creed, national origin, ancestry, gender including gender identity or expression, age, marital or domestic partnership status, mental disability, physical disability (including HIV and AIDS), medical condition (including genetic characteristics or cancer), veteran or military status, family or medical

leave status, genetic information, or sexual orientation. CONSULTANT shall not establish or permit any such practice(s) of discrimination with reference to the contract or any part. CONSULTANTS determined to be in violation of this section shall be deemed to be in material breach of this Agreement.

Consultant shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity, or national origin in the performance of this contract. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, national origin, protected veteran status or disability.

CONSULTANT shall include the nondiscrimination provisions above in all subcontracts.

- 9.8 CONSULTANT affirms that it does not have any financial interest or conflict of interest that would prevent CONSULTANT from providing unbiased, impartial service to the DISTRICT under this Agreement.

(If this Agreement is to be executed using digital signatures via DocuSign instead of wet signatures, use the following paragraph. Otherwise, delete it.)

- 9.9 Digital Signatures. The Parties agree that this Agreement may be executed using digital signatures.

(If this Agreement is to be executed by having each party wet sign a separate signature page and submitting all signed pages in original format or via scanning for compilation with the final Agreement, use the following paragraph. Otherwise, delete it.)

- 9.10 Execution in Counterparts. This Agreement may be executed in counterparts, each of which shall be deemed to be an original but all of which taken together shall constitute one and the same Agreement.

ARTICLE 10 – TERM

Unless terminated pursuant to Article 4 herein, this Agreement shall expire when all tasks have been completed and final payment has been made by DISTRICT.

IN WITNESS WHEREOF, the parties hereto each herewith subscribe the same in duplicate.

EAST BAY MUNICIPAL UTILITY DISTRICT

By: _____ Date _____
(*Name*),
(*Insert title – Director of Engineering and Construction or Manager of Support Services*)

Approved As To Form

By: _____
for the Office of the General Counsel

(CONSULTING FIRM'S NAME, ALL CAPS & BOLD)

By: _____ Date _____
(*Name*),
(*Title*)

Rev. 6/2/2021

EXHIBIT A

East Bay Municipal Utility District *Pavement Management Design Services and Construction Management/Construction Inspection Services, RFP No. 730-24-01*

SCOPE OF SERVICES

II. CONSULTANT SERVICES

CONSULTANT shall provide the following:

Contracted Services

(State each task with associated task number; specifically call out any survey work)

Optional Services

(State each task with associated task number)

II. PROJECT SCHEDULE

(List schedule milestones and completion dates)

EXHIBIT B

East Bay Municipal Utility District
Pavement Management Design Services and Construction Management/Construction
Inspection Services, RFP No. 730-24-01
COMPENSATION

Compensation for services provided in Exhibit A, SCOPE OF SERVICES, shall be in accordance with the methods and specific amounts described in this Exhibit.

II. DISTRICT shall pay CONSULTANT only the actual costs incurred, subject to the Maximum Cost Ceiling. CONSULTANT certifies that the cost and pricing information used herein are complete, current and accurate. CONSULTANT acknowledges that it will expend public funds and hereby agrees to use every appropriate method to contain its fees and minimize costs under this Agreement.

II. Compensation for CONSULTANT services authorized shall be on a cost reimbursement basis and include Direct Labor, Indirect Costs, Subconsultant Services and Other Direct Costs. Costs to be paid comprise the following:

2.1 Direct Labor

Direct labor costs shall be the total number of hours worked on the job by each employee times the hourly rate for the employee's labor. Hours worked shall be rounded-up to the nearest quarter-hour (0.25) increment. Labor rates shall be based on a normal 8-hour day, 40-hour week.

2.2 Indirect Costs

DISTRICT shall pay CONSULTANT an overhead expense equal to (*insert overhead rate*) percent of labor costs incurred by CONSULTANT. CONSULTANT acknowledges and agrees that this overhead compensation is in lieu of itemized payments for indirect and overhead expenses which includes, but is not limited to:

- Clerical, word processing and/or accounting work.
- Vehicle usage and mileage between CONSULTANT's office and DISTRICT offices or work locations within DISTRICT service area. For work outside of the DISTRICT's services area, DISTRICT approval to charge for vehicle usage and mileage and other travel expenses must be obtained prior to the expenses being incurred.
- Parking (DISTRICT does NOT provide parking to CONSULTANT in the DISTRICT Administration Building, located at 375 11th Street, Oakland, California. CONSULTANT shall be responsible for parking elsewhere).

- Postage, or for certified or registered mail. Extraordinary postage, overnight delivery, or messenger delivery charges must be approved in advance.
- Routine copying costs for in-house copying.
- Local telephone charges, including cellular phone, modem and telecopier/FAX charges.
- Office space lease.
- Office supplies.
- Computer equipment.
- Computer usage charges.
- Books, publications and periodicals.
- Insurance.
- Miscellaneous hand tools or equipment rental.
- Safety training, seminars or continuing education.
- Utilities.
- Local meals, transportation or other travel charges.
- Inadequately described or miscellaneous expenses.

The above items are illustrative, rather than exhaustive.

2.3 Subconsultant Services

Subconsultant services shall be billed at cost (plus a (*insert rate*) percent markup).

2.4. Other Direct Costs

Other Direct Costs shall be approved by DISTRICT in advance in writing, and shall be billed at cost, without markup. These costs include, but are not limited to the following:

- 2.4.1. Automobile expenses at (*insert rate*) cents per mile when CONSULTANT is required to travel outside of the DISTRICT's service area. Mileage will NOT be reimbursed for rental car expenses, where the rental agreement specifies unlimited mileage.
- 2.4.2. DISTRICT will pay for necessary and reasonable travel expenses provided the travel is approved in advance by DISTRICT Project Manager, and providing that:
 - Each expense is separately identified (air fare, hotel, rental car) with an amount and date incurred. Confirming documents may be requested.
 - Charged mileage for vehicle mileage shall not exceed the current allowable Internal Revenue Service rate.

- Air travel is coach or economy rate for refundable tickets. Business and first class rates will not be reimbursed.
- Lodging accommodations are moderately priced.
- Meal charges are reasonable. (Reimbursement for meals will only be made in conjunction with out-of-town travel.)
- Taxis or shuttles are used rather than rental cars whenever cost effective.
- Rental cars are intermediate or compact class only.

2.6 Budget Amounts

<u>Contracted Services</u>	<u>Optional Services</u>	<u>Maximum Cost Ceiling*</u>
\$(dollars)	\$(dollars)	\$(dollars)

**** (Maximum Cost Ceiling is the sum of Contracted and Optional Services. If your scope has no Optional Services, delete the Contracted and Optional Services columns.)***

The Maximum Cost Ceiling shown above is based upon the cost estimate and labor hours attached hereto as Exhibit B-1 and Exhibit B-2. Costs described above, comprising Direct Labor, Indirect Costs, Subconsultant Services and Other Direct Costs shall be payable up to the Maximum Cost Ceiling as specified herein.

2.7 Billing and Payment

CONSULTANT shall invoice DISTRICT monthly for the actual costs incurred for work performed during the previous month. Actual costs shall include Direct Labor, Indirect Costs, Subconsultant Services, and Other Direct Costs as specified herein. Actual costs shall be invoiced by task as described in Exhibit A. Invoices shall set forth a description of the actual costs incurred and the services performed, the date the services were performed, and the amount of time spent rounded to the nearest quarterly hour increment (.25) on each date services were performed and by whom. Supporting documentation for the invoice shall be organized to clearly identify the task charged and shall be supported by such copies of invoices, payroll records, and other documents as may be required by DISTRICT to authenticate invoiced costs. Copies of all invoices from any subconsultant(s) and outside service(s) shall be attached. Where CONSULTANT is required by law to pay prevailing wage rates, supporting documentation for such work shall be in accordance with guidelines set forth below and shall include certified payroll reports. DISTRICT shall pay CONSULTANT within thirty (30) days, upon receipt of a proper CONSULTANT invoice, ***(Optional insert – include the following words here only if retention will be accumulated: “the amount invoiced less a ten percent (10%) retention amount,”)***, provided that all

invoices are accompanied by sufficient cost documentation, and DISTRICT–Form P-47 (Subcontractor Payment Report – CEP Participation), to allow the determination of the reasonableness and accuracy of said invoice. *(Optional insert – include the following sentence here only if retention will be accumulated: “The retention accumulated to date shall be paid by DISTRICT upon DISTRICT’s acceptance of the final version of all documents specified in ARTICLE 1 – SCOPE OF WORK, paragraph 1.6.”)*

The Maximum Cost Ceiling is in effect for the entire Scope of Services. If the authorized Maximum Cost Ceiling is reached, CONSULTANT shall complete the agreed-upon work for the authorized Maximum Cost Ceiling. Labor hours may be reallocated within the tasks without renegotiation of the Agreement with written approval from the DISTRICT Project Manager in such a manner so as not to exceed the Maximum Cost Ceiling. In no event shall the Maximum Cost Ceiling be increased unless there is a written amendment of this Agreement.

2.8 Budget Status Reports

For the duration of this Agreement, the CONSULTANT shall provide DISTRICT with “””monthly budget status reports that include, in tabular or graphical format, for each report period: (1) the original cumulative projected cash flows for the duration of the project (prepared at the start of the project), (2) the actual cash flows for the work completed to date, (3) the current projected cash flows to complete the project, and (4) the earned value (the amount of work actually completed to date compared to the budget expended). Current projected cash flows shall be based on all CONSULTANT and subconsultant time sheets up to a date within 3 weeks of the date of the budget status report.

2.9 Prevailing Wages and Other Requirements for Construction Inspection, and Construction Related Work During Design and Preconstruction Phases of Construction.

- 2.9.1 All Contractors and Subcontractors of any tier bidding on, or offering to performing work on a public works project shall first be registered with the State Department of Industrial Relations (DIR) pursuant to Section 1725.5 of the Labor Code. No bid will be accepted nor any contract entered into without proof of the Contractor and Subcontractors’ current registration with the DIR (LC § 1771.1).
- 2.9.2 All public works projects awarded after January 1, 2015, are subject to compliance monitoring and enforcement by the DIR (LC § 1771.4) and all Contractors are required post job site notices, “as prescribed by regulation” (LC § 1771.4).

- 2.9.3 Pursuant to Section 1773 of the Labor Code, the District has obtained from the Director of Industrial Relations of the State of California, the general prevailing rates of per diem wages and the general prevailing rates for holiday and overtime work in the locality in which the Work is to be performed, for each craft, classification, or type of worker needed to execute the contract. A copy of the prevailing wage rates is on file with the District and available for inspection by any interested party at www.dir.ca.gov.
- 2.9.4 The Contractor shall post a copy of the general prevailing rate of per diem wages at the jobsite pursuant to Section 1773.2 of the Labor Code.
- 2.9.5 Pursuant to Section 1774 of the Labor Code, the Contractor and any of its Subcontractors shall not pay less than the specified prevailing rate of wages to all workers employed in the execution of the contract.
- 2.9.6 The Contractor shall, as a penalty to the State or the District, forfeit not more than the maximum set forth in Section 1775 of the Labor Code for each calendar day, or portion thereof, for each worker paid less than the prevailing rates for the work or craft in which the worker is employed under the contract by the Contractor or by any Subcontractor under him. The difference between the prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof for which such worker was paid less than the stipulated prevailing wage rate shall be paid to such worker by the Contractor.
- 2.9.7 General prevailing wage determinations have expiration dates with either a single asterisk or a double asterisk. Pursuant to California Code of Regulations, Title 8, Section 16204, the single asterisk means that the general prevailing wage determination shall be in effect for the specified contract duration. The double asterisk means that the predetermined wage modification shall be paid after the expiration date. No adjustment in the Contract Sum will be made for the Contractor's payment of these predetermined wage modifications.
- 2.9.8 The Contractor and each Subcontractor shall keep an accurate payroll record, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed in connection with the Work. The payroll records shall be certified and shall be available for inspection in accordance with the provisions of Section 1776 of the Labor Code. Certified payroll records shall be on the forms provided by the DIR or contain the same information required on the Department's form
- 2.9.9 For public works projects awarded on or after April 1, 2015, or that are still ongoing after April 1, 2016, no matter when awarded, each Contractor and

Subcontractor shall furnish the certified payroll related records as more specifically described above and in Labor Code section 1776 directly to the Labor Commissioner (see LC § 1771.4). These records shall be provided to the Labor Commissioner at least monthly or more frequently if required by the terms of the Contract. For exception on projects covered by collective bargaining agreements like a PLA, please see Labor Code section 1771.4.

- 2.9.10 In the event of noncompliance with the requirements of Section 1776 of the Labor Code, the Contractor shall have 10 days in which to comply subsequent to receipt of written notice specifying in what respects such Contractor must comply with said Section. Should noncompliance still be evident after such 10-day period, the Contractor shall, as a penalty to the State or the District, forfeit the amount set forth in Section 1776 of the Labor Code for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, such penalties shall be withheld from progress payments then due.
- 2.9.11 Pursuant to the provisions of Sections 1810, et seq. of the Labor Code the time of service of any worker employed upon the work shall be limited and restricted to eight hours during any one calendar day, and forty hours during any one calendar week, unless work performed by employees of the Contractor in excess of eight hours per day, and forty hours during any one calendar week, shall be permitted upon compensation for all hours worked in excess of eight hours per day at not less than one and one half times the basic rate of pay.
- 2.9.12 The Contractor shall, as a penalty to the State or the District, forfeit the amount set forth in Section 1813 of the Labor Code for each worker employed by the Contractor or by any Subcontractor for each calendar day during which such worker is required or permitted to work more than eight hours in any calendar day and forty hours in any one calendar week in violation of the provisions of Labor Code, Sections 1810, et seq.
- 2.9.13 The Contractor and every Subcontractor shall keep an accurate record showing the name of and the actual hours worked each calendar day and each calendar week by each worker employed by him in connection with the Work; the record shall be kept open at all reasonable hours to the inspection of the District and to the Division of Labor Standards Enforcement of the State of California.
- 2.9.14 In the performance of a public works contract, the Contractor and any Subcontractor shall comply with the provisions concerning the employment of apprentices in Section 1777.5 of the Labor Code and any amendments thereof. In the event the Contractor or any Subcontractor willfully fails to comply with

this requirement the Contractor or Subcontractor shall be subject to the penalties for noncompliance in Labor Code section 1777.7.

- 2.9.15 The Contractor and every Subcontractor shall post at the workplace and comply with all required wage related workplace postings. Copies of the required postings may be downloaded or ordered electronically from the Department of Industrial Relations website at <http://www.dir.ca.gov/wpnodb.html>.

(Note: this table is prepared by the consultant. The following is provided to show format.)

EXHIBIT B-1

East Bay Municipal Utility District

Pavement Management Design Services and Construction Management/Construction Inspection Services, RFP No. 730-24-01

COST DISTRIBUTION

	Consultant						Subconsultants**						
	Direct Labor						Subconsultant # 1			Subconsultant # 2			
	Project Manager	Project Engineer	Drafting				Project Engineer	Assist. Engineer		Project Engineer	Assist. Engineer		
Hourly Rate (\$/hr.)	(***)	(***)	(***)	Total	Indirect Costs	ODCs*	(***)	(***)	Total Cost	(***)	(***)	Total Cost	Total
I. Contracted Services													
Task 1.1:													
Task 1.2:													
Task 2.1:													
Task 2.2:													
Subtotal I.													
II. Optional Services													
Task 3:													
Task 4:													
Subtotal II.													
TOTAL of Subtotals I. & II													

* ODCs = Other Direct Costs.

** Includes any prime consultant markup in subconsultant hourly rates.

*** *Insert hourly rate.*

(Note: this table is prepared by the consultant. The following is provided to show format.)

EXHIBIT B-2

East Bay Municipal Utility District
Pavement Management Design Services and Construction Management/Construction Inspection Services, RFP 730-24-01

LABOR DISTRIBUTION*

	Consultant				Subconsultants***							
					Subconsultant # 1			Subconsultant # 2				
	Project Manager	Project Engineer	Drafting	Subtotal	Project Engineer	Assist. Engineer	Subtotal	Project Engineer	Assist. Engineer	Subtotal	Total	
I. Contracted Services												
Task 1.1:												
Task 1.2:												
Task 2.1:												
Task 2.2:												
Subtotal I.												
II. Optional Services												
Task 3:												
Task 4:												
Subtotal II.												
TOTAL												

(Include both consultant and subconsultant hours. Also, include the percent time commitment for key personnel if a critical issue for success of the project.)*



EXHIBIT C

East Bay Municipal Utility District
*Pavement Management Design Services and Construction Management/Construction
Inspection Services, RFP No. 730-24-01*

CEP COMPLIANCE

<u>FIRMS UTILIZED</u>	<u>MINIMUM AMOUNT*</u>	<u>MINIMUM PERCENT**</u>
<i>(Name of Subconsultant's firm)</i>	<i>\$(dollars)</i>	<i>(1 to 99)</i>
<i>(Name of Subconsultant's firm)</i>	<i>\$(dollars)</i>	<i>(1 to 99)</i>
TOTAL	<i>\$(dollars)</i>	<i>(1 to 99)</i>

* Does not include consultant's markup. *(Include this footnote only if your contract includes markup on subconsultants.)*

** Based on a Maximum Cost Ceiling amount of *\$(dollars)*.

EXHIBIT D INSURANCE REQUIREMENTS

REFERENCE EXHIBIT B OF THIS RFP FOR INSURANCE



EXHIBIT D

IRAN CONTRACTING ACT CERTIFICATION

Pursuant to Public Contract Code (PCC) § 2204, an Iran Contracting Act Certification is required for solicitations of goods or services of \$1,000,000 or more.

To submit a bid or proposal to East Bay Municipal Utility District (District), you must complete **ONLY ONE** of the following two paragraphs. To complete paragraph 1, check the corresponding box **and** complete the certification for paragraph 1. To complete paragraph 2, check the corresponding box and attach a copy of the written permission from the District.

- ☐ 1. We are not on the current list of persons engaged in investment activities in Iran created by the California Department of General Services ("DGS") pursuant to PCC § 2203(b), and we are not a financial institution extending twenty million dollars (\$20,000,000) or more in credit to another person, for 45 days or more, if that other person will use the credit to provide goods or services in the energy sector in Iran and is identified on the current list of persons engaged in investment activities in Iran created by DGS.

CERTIFICATION FOR PARAGRAPH 1:

I, the official named below, CERTIFY UNDER PENALTY OF PERJURY, that I am duly authorized to legally bind the proposer/bidder to the clause in paragraph 1. This certification is made under the laws of the State of California.

Firm: _____

By: _____ Date: _____
(Signature of Bidder)

Title: _____

Signed at: _____ County, State of: _____

OR

- ☐ 2. We have received written permission from the District to submit a bid or proposal pursuant to PCC § 2203(c) or (d). *A copy of the written permission from the District is included with our bid or proposal.*



EXHIBIT E

10-YEAR PAVEMENT TREATMENT PLAN

Scenario: 2022 S2 Improve PCI to 70							
Objective: Minimum Network Average PCI				Target: By Year			
Year	Value	Year	Value	Year	Value	Year	Value
Year 1	55	Year 2	56	Year 3	57	Year 4	58
Year 5	60	Year 6	62	Year 7	64	Year 8	65
Year 9	67	Year 10	70				

Year: 2022

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alameda Interceptor WWPS B			ALAIWWPSB	010	O	AC	78	\$1,057	12,718
Adeline Maintenance Center Adm			AMCALOC	030	O	AC	74	\$11,929	12,788
Adeline Maintenance Center Fle			AMCFLOC	020	R	AC	77	\$16,510	12,428
Argyle No. 2 Reservoir			ARGL2DRES	020	C	AC	73	\$13,626	11,690
Arlington Reservoir			ARLDRES	010	C	AC	73	\$9,804	10,868
Bacon Pumping Plant			BCNDPP	020	O	AC	77	\$2,981	11,402
Briones Disinfection Facility			BRINDFWTP	010	A	AC	79	\$9,625	19,271
Briones Reservoir Parking			BRINSRESP	020	O	AC	73	\$5,700	11,906
Berryman Rate Control Station			BRMNDFC	010	C	AC	75	\$3,135	12,592
Berryman North Pumping Plant			BRNDPP	010	O	AC	71	\$5,468	10,867
Bryant Reservoir			BRNTDRES	010	C	AC	73	\$17,057	10,129
Bayfair Reservoir			BYFRDRES	020	O	AC	73	\$7,980	11,558
Colorados Reservoir			COLDRES	010	C	AC	77	\$2,836	11,044
East Area Field Operations Cen			ty EASASC	010	O	AC	71	\$25,339	10,867
Eden No. 1 Reservoir			EDN1DRES	010	C	AC	79	\$17,500	12,006
Field Reservoir			FLDDRES	010	C	AC	74	\$7,490	12,191
Grayson Reservoir			GRSDRES	010	C	AC	77	\$3,674	11,767
Hink No. 2 Reservoir			HNK2DRES	020	O	AC	73	\$5,558	11,776
Lafayette Reservoir			LAFRA	010	C	AC	74	\$14,843	9,587
Lafayette Reservoir			LAFRA	130	O	AC	72	\$91,279	11,961
Lafayette Reservoir			LAFRA	140	O	AC	74	\$65,885	12,447
Las Trampas Reservoir			LSTSDRES	020	O	AC	71	\$4,834	10,307
Main Waste Water TP			MAINWWTP	030	A	AC	74	\$52,783	12,210
Main Waste Water TP			MAINWWTP	060	O	AC	76	\$36,582	13,948

Target-Driven Scenarios - Sections Selected for Treatment

Year: 2022

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Miranda Reservoir			MRNDRES	010	C	AC	72	\$34,264	11,941
Nicholl Knob Reservoir			NCLDRES	010	C	AC	78	\$17,908	14,418
Orinda Watershed Headquarters			ORNDWHLOC	020	A	AC	79	\$17,074	19,362
Orinda Watershed Headquarters			ORNDWHLOC	030	O	AC	79	\$21,899	13,160
Orinda Watershed Headquarters			ORNDWHLOC	040	C	AC	74	\$13,934	12,079
Palo Seco Reservoir			PLSCDRES	010	O	AC	75	\$9,467	12,955
North Richmond Water Reclamati			RCHNRWTP	040	O	AC	71	\$6,077	10,911
Reliez Pumping Plant			RLZDPP	010	O	AC	75	\$4,392	12,413
San Antonio Creek WW Plant			SANACWW	010	A	AC	77	\$19,596	17,867
Shawn Reservoir			SHWNDRES	020	O	AC	78	\$3,679	14,642
San Catanio Reservoir			SNCNDRES	020	C	AC	76	\$10,308	12,825
San Catanio Reservoir			SNCNDRES	030	C	AC	72	\$3,657	9,827
San Pablo Recreation Area Pump			SNPBLRADPP	010	C	AC	75	\$20,716	10,925
San Ramon Reservoir			SRMNDRES	010	O	AC	73	\$4,925	11,020
South Interceptor WW PS H			STHIWWPSH	010	C	AC	74	\$14,420	10,056
South Interceptor WWPS J			STHWWPSJ	010	O	AC	77	\$1,914	12,428
Swainland Reservoir			SWNDRES	010	C	AC	79	\$9,545	11,044
Tewksbury Pumping Plant			TWBDPP	010	O	AC	72	\$1,495	11,401
Valley View Reservoir			VAVDRES	020	O	AC	73	\$2,424	11,914
Walnut Creek No. 1 Raw Water P			WC1SPP	020	O	AC	74	\$34,023	11,168
2022 - CAPE SEAL Total				\$217,453					

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Bayfair Pumping Plant			BYFRDPP	010	C	AC	100	\$0	0
**Cull Creek Reservoir			CLCKDRES	010	C	AC	100	\$0	0
**Cull Creek Reservoir			CLCKDRES	020	O	AC	100	\$0	0
**Larkey Reservoir			LRKDRES	010	C	AC	100	\$0	0
**Larkey Reservoir			LRKDRES	020	O	AC	100	\$0	0
**Mendocino Reservoir			MNDCNDRES	010	C	AC	100	\$0	0
**Orinda Center			ORNDLOC	010	O	AC	100	\$0	0

** - Treatment from Project Selection

Year: 2022

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Orinda Center			ORNDLOC	020	C	AC	100	\$0	0
**Orinda Center			ORNDLOC	030	O	AC	100	\$0	0
**Orinda Center			ORNDLOC	040	A	AC	100	\$0	0
**Orinda Center			ORNDLOC	050	C	AC	100	\$0	0
**Rheem Reservoir			RHMDRES	010	C	AC	100	\$0	0
**Seneca Reservoir			SENDRES	010	O	AC	100	\$0	0
**Seneca Reservoir			SENDRES	020	O	AC	100	\$0	0
**San Pablo/ El Cerrito Center			SNPBECLOC	010	A	AC	100	\$0	0
**USL Center			USLLOC	010	C	AC	100	\$0	0
**USL Center			USLLOC	020	C	AC	100	\$0	0
**USL Center			USLLOC	030	C	AC	100	\$0	0
**USL Center			USLLOC	040	C	AC	100	\$0	0
**USL Center			USLLOC	050	A	AC	100	\$0	0
**USL Center			USLLOC	060	O	AC	100	\$0	0
**USL Center			USLLOC	070	A	AC	100	\$0	0
**USL Center			USLLOC	080	A	AC	100	\$0	0
**USL Center			USLLOC	090	A	AC	100	\$0	0
**USL Center			USLLOC	100	O	AC	100	\$0	0
**USL Center			USLLOC	110	C	AC	100	\$0	0
**USL Center			USLLOC	120	C	AC	100	\$0	0
**USL Center			USLLOC	130	C	AC	100	\$0	0

2022 - REMOVE AND REPLACE Total

\$0

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Acorn Pumping Plant			ACNDPP	010	O	AC	94	\$490	12,303
Adeline Maintenance Center Fle			AMCFLOC	010	O	AC	90	\$13,430	18,620
Apollo Reservoir			APLDRES	020	O	AC	84	\$2,258	28,710
Argyle No. 1 Reservoir			ARGL1DRES	010	C	AC	94	\$5,477	22,082

Year: 2022

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Argyle Pumping Plant			ARGLDPP	010	O	AC	86	\$2,253	30,317
Bayside GW Central TP			BAYGWTP	010	C	AC	92	\$2,367	35,349
Berkeley Hills Reservoir			BERHDRES	020	O	AC	84	\$4,680	28,893
Berkeley View No. 2 Reservoir			BERV2DRES	020	O	AC	88	\$6,160	31,944
Brookwood Reservoir			BRWDRES	020	O	AC	94	\$832	12,457
Bishop No. 1 Reservoir			BSP1DRES	010	O	AC	89	\$5,500	19,730
Carisbrook Pumping Plant			CARDPP	010	O	AC	84	\$978	28,918
Crockett Reservoir			CRKTDRES	020	O	AC	92	\$2,377	15,502
Castenada Service Center			CSTNASC	020	O	AC	87	\$5,084	31,769
Donald Reservoir			DNLDDRES	010	O	AC	84	\$3,778	29,533
Estates No. 1 Reservoir			EST1DRES	010	C	AC	91	\$15,478	26,279
Fay Hill Reservoir			FHLDRES	020	C	AC	94	\$1,250	23,318
Fleet Maintenance East			FMELOC	020	C	AC	90	\$16,112	25,798
Fleet Maintenance East			FMELOC	030	O	AC	82	\$4,348	22,080
Fairview Reservoir			FRVDRES	020	O	AC	88	\$3,667	20,324
Fairview North No. 1 Reservoir			FRVN1DRES	020	O	AC	89	\$10,737	19,728
Forestland Reservoir			FSTDRES	010	O	AC	93	\$5,227	14,479
Grayson Reservoir			GRSDRES	020	O	AC	85	\$2,380	21,791
Grayson Reservoir			GRSDRES	030	O	AC	89	\$3,400	19,808
Gwin Reservoir			GWNDRES	010	C	AC	91	\$3,915	25,376
Happy Valley Reservoir			HAVDRES	020	O	AC	88	\$1,466	20,742
Highland Reservoir			HIGHDRES	020	C	AC	88	\$1,275	28,826
Hink No. 2 Reservoir			HNK2DRES	010	C	AC	84	\$2,489	26,749
Hawthorne Reservoir			HWTDRES	010	C	AC	84	\$6,399	23,683
Hawthorne Reservoir			HWTDRES	020	O	AC	86	\$6,424	20,512
Lafayette Reservoir			LAFRA	070	C	AC	90	\$16,967	25,934
Lafayette Reservoir			LAFRA	100	C	AC	94	\$13,940	23,261
Lafayette Reservoir			LAFRA	150	O	AC	83	\$13,000	22,015
Main Waste Water TP			MAINWWTP	010	O	AC	95	\$32,684	10,635
Miranda Reservoir			MRNDRES	020	O	AC	82	\$3,429	23,780
North Interceptor WWPS Q			NTHIWWPSQ	010	O	AC	86	\$4,551	30,287
Palomares No. 1 Reservoir			PLMS1DRES	020	O	AC	82	\$4,684	27,324
Peralta Reservoir			PRLTDRES	010	C	AC	88	\$2,850	24,926

Year: 2022

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Peralta Reservoir			PRLTDRES	020	O	AC	89	\$2,868	30,452
Quarry Reservoir			QRYDRES	020	O	AC	91	\$2,000	17,248
RARE Treatment Plant			RARENWTP	010	A	AC	84	\$12,585	36,108
Road 20 Rate Control Station			RD20DFC	010	O	AC	88	\$5,150	32,368
Round Hill No. 2 Pumping Plant			RH2DPP	010	C	AC	83	\$2,028	27,942
Rheem Pumping Plant			RHMDPP	010	O	AC	89	\$392	19,683
Scenic South Reservoir			SCNSDRES	020	O	AC	82	\$4,687	20,712
Siesta Reservoir			SISDRES	020	O	AC	82	\$4,254	24,124
Sleepy Hollow Reservoir			SLHWDRES	010	O	AC	91	\$1,485	17,015
San Catanio Reservoir			SNCNDRES	040	O	AC	94	\$3,625	12,251
San Pablo Recreation Area Pump			SNPBLRADPP	020	C	AC	87	\$15,858	25,862
San Pablo Recreation Area Pump			SNPBLRADPP	030	C	AC	93	\$18,705	24,022
South Area Service Center			STHASC	010	O	AC	86	\$8,575	19,864
South Area Service Center			STHASC	030	R	AC	94	\$3,167	10,864
South Interceptor WWPS K			STHIWWPSK	010	O	AC	82	\$1,220	27,398
Strathmoor Reservoir			STMRDRES	010	O	AC	87	\$2,991	31,036
Swainland Reservoir			SWNDRES	020	O	AC	94	\$2,956	10,603
Wiedemann No. 1 Reservoir			WDMN1DRES	010	C	AC	94	\$695	20,722
Wiedemann No. 1 Reservoir			WDMN1DRES	020	O	AC	94	\$6,000	11,144
Walpert Reservoir			WLPTDRES	010	O	AC	92	\$1,720	16,155
Walpert North No. 1 Reservoir			WLPTN1DRES	020	O	AC	90	\$3,042	19,029
Withers Reservoir			WTHDRES	030	O	AC	92	\$1,905	16,306
2022 - SLURRY SEAL Total					\$105,908				

Treatment: MILL AND THIN OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Jensen No. 2 Pumping Plant			JNSN2DPP	010	O	AC	100	\$0	0
2022 - MILL AND THIN OVERLAY Total					\$0				

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alameda Interceptor WWPS R			ALAIWWPSR	010	A	AC	100	\$26,223	11,128
Apollo Reservoir			APLDRES	010	C	AC	100	\$84,738	8,560

** - Treatment from Project Selection

Target-Driven Scenarios - Sections Selected for Treatment

Year: 2022

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Briones Reservoir Paved			BRINSRESAC	080	C	AC	100	\$126,505	8,545
Danville Reservoir			DANDRES	010	C	AC	100	\$181,383	8,619
Echo Springs Reservoir			ECSDRES	010	C	AC	100	\$89,498	8,533
Main Waste Water TP			MAINWWTP	140	C	AC	100	\$148,653	8,578
Norris Pumping Plant			NRSDPP	010	C	AC	100	\$16,563	8,576
North Area Service Center			NTHASC	020	C	AC	100	\$800,052	8,467
North Interceptor WWPS A			NTHIWWPSA	010	A	AC	100	\$29,951	11,408
Point Isabel Wet Weather TP			PTISWW	020	A	AC	100	\$306,799	11,209
San Pablo Reservoir			SNPBLRES	070	C	AC	100	\$302,760	8,496
San Pablo Reservoir			SNPBLRES	100	C	AC	100	\$260,730	8,530

2022 - MILL AND THICK OVERLAY Total \$2,136,389

Year 2022 Total \$2,136,389

Year: 2023

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alamo Reservoir			ALMDRES	010	C	AC	77	\$2,738	11,269
Fire Trail No. 2 Reservoir			FRTL2DRES	010	C	AC	77	\$5,845	9,731
Fairview North No. 1 Reservoir			FRVN1DRES	010	C	AC	78	\$7,771	13,547
Green Valley Reservoir			GRVLDRES	020	O	AC	78	\$8,904	10,945
Las Trampas Reservoir			LSTSDRES	010	C	AC	77	\$2,429	11,334
Montclair Reservoir			MTCLDRES	010	O	AC	79	\$3,846	11,155
Oakport WW Treatment Plant			OAKDS	010	A	AC	78	\$53,907	14,561
Round Top Reservoir			RTDRES	020	C	AC	79	\$3,682	13,528
San Catanio Reservoir			SNCNDRES	010	C	AC	78	\$15,727	11,698

2023 - CAPE SEAL Total \$104,849

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Acorn Reservoir			ACNDRES	010	C	AC	100	\$0	0
**Acorn Reservoir			ACNDRES	020	C	AC	100	\$0	0
**Derby Reservoir			DERDRES	010	C	AC	100	\$0	0
**Encinal Reservoir			ENCLDRES	010	O	AC	100	\$0	0
**Scenic Reservoir			SCNDRES	010	C	AC	100	\$0	0
**Scenic East Reservoir			SCNEDRES	010	C	AC	100	\$0	0

** - Treatment from Project Selection

Year: 2023

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Scenic East Reservoir			SCNEDRES	020	O	AC	100	\$0	0
2023 - SLURRY SEAL Total					\$0				

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Adeline Maintenance Center Sho			AMCSLOC	040	O	AC	95	\$20,146	11,628
Amador Reservoir			AMDRDRES	030	O	AC	94	\$5,865	11,879
El Portal Reservoir			ELPDRES	010	O	AC	95	\$3,982	10,168
Knife No. 1 Reservoir			KNF1DRES	020	O	AC	94	\$3,192	10,145
Lafayette Reservoir			LAFRA	060	C	AC	94	\$16,429	21,407
Schapiro Reservoir			SCPRODRES	010	C	AC	95	\$1,139	20,443
Siesta Reservoir			SISDRES	010	C	AC	94	\$4,505	23,101
San Pablo Reservoir			SNPBSRES	020	C	AC/AC	94	\$3,551	13,438
University No. 1 Reservoir			UNV1DRES	010	O	AC	94	\$4,209	11,508
USL Reservoir			USLSRES	020	O	AC	95	\$10,653	9,614
2023 - SLURRY SEAL Total					\$73,671				

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
39th Ave Reservoir			39AVDRES	010	C	AC	100	\$135,148	8,071
Argyle No. 2 Reservoir			ARGL2DRES	010	C	AC	100	\$77,172	8,281
Baseline Reservoir			BASEDRES	010	C	AC	100	\$150,097	8,165
Bayfair Reservoir			BYFRDRES	010	C	AC	100	\$225,677	8,160
Central Area Service Center			CENASC	020	R	AC	100	\$284,946	7,185
Lafayette Center			LAFLOC	020	C	AC	100	\$119,227	8,106
Lafayette Center			LAFLOC	060	C	AC	100	\$38,153	8,148
Main Waste Water TP			MAINWWTP	150	C	AC	100	\$283,736	8,015
Main Waste Water TP			MAINWWTP	190	A	AC	100	\$149,270	10,870
Muir Pumping Plant			MUIRDPP	010	O	AC	100	\$1,180	7,205
Orinda Watershed Headquarters			ORNDWHLOC	140	O	AC	100	\$359,083	7,228
Orinda Watershed Headquarters			ORNDWHLOC	160	C	AC	100	\$186,974	8,255
North Richmond Water Reclamati			RCHNRWTP	010	A	AC	100	\$207,936	10,835

Target-Driven Scenarios - Sections Selected for Treatment

Year: 2023

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Round Top Reservoir			RTDRES	010	C	AC	100	\$126,400	8,212
Scenic Pumping Plant			SCNDPP	010	C	AC	100	\$18,817	8,023
Scenic South Reservoir			SCNSDRES	010	C	AC	100	\$133,414	8,302
Sunnyside Reservoir			SUNYDRES	010	C	AC	100	\$84,376	8,121
Tewksbury Reservoir			TWBDRES	010	C	AC	100	\$4,916	8,255
Withers Reservoir			WTHDRES	010	C	AC	100	\$22,545	8,171
Watson Reservoir			WTSNDRES	030	C	AC	100	\$33,109	8,254

2023 - MILL AND THICK OVERLAY Total \$297,177

Year 2023 Total \$297,177

Year: 2024

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alameda Interceptor WWPS R			ALAIWWPSR	020	C	AC	78	\$16,560	10,101
Argyle No. 2 Reservoir			ARGL2DRES	020	C	AC	79	\$14,596	12,441
Arlington Reservoir			ARLDRES	010	C	AC	78	\$10,503	11,193
Berryman North Pumping Plant			BRNDPP	010	O	AC	78	\$5,858	10,721
Bryant Reservoir			BRNTDRES	010	C	AC	79	\$18,272	10,767
East Area Field Operations Cen			EASASC	010	O	AC	78	\$27,144	10,721
Las Aromas Reservoir			LSARDRES	010	O	AC	78	\$3,198	10,702
Las Trampas Reservoir			LSTDRES	020	O	AC	78	\$5,178	10,172
Miranda Reservoir			MRNDRES	010	C	AC	79	\$36,704	12,442
Richmond Reservoir			RCHDRES	020	O	AC	78	\$8,142	10,716
North Richmond Water Reclamati			RCHNRWTP	040	O	AC	78	\$6,510	10,754
San Catanio Reservoir			SNCNDRES	030	C	AC	77	\$3,917	10,330
Tewksbury Pumping Plant			TWBDPP	010	O	AC	79	\$1,602	11,227
Watson Reservoir			WTSNDRES	040	C	AC	78	\$29,150	11,188

2024 - CAPE SEAL Total \$187,334

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Castenada No. 1 Reservoir			CSTN1DRES	010	C	AC	100	\$0	0
**Castenada No. 1 Reservoir			CSTN1DRES	020	O	AC	100	\$0	0

** - Treatment from Project Selection

Target-Driven Scenarios - Sections Selected for Treatment

2024 - REMOVE AND REPLACE Total

\$0

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Berryman Reservoir			BRMNDRES	020	O	AC	95	\$5,175	10,325
Berryman South Reservoir			BRSDRES	010	O	AC	95	\$6,026	9,818
Claremont Center			CLADTUN	010	C	AC	95	\$15,474	19,433
Eden No. 1 Reservoir			EDN1DRES	020	O	AC	95	\$4,449	10,043
Estates No. 1 Reservoir			EST1DRES	020	O	AC	95	\$2,595	8,553
Fay Hill Reservoir			FHLDRES	010	C	AC	94	\$12,025	20,688
Fairview North Pumping Plant			FRVWNDPP	010	O	AC	94	\$1,580	11,268
Knife No. 1 Reservoir			KNF1DRES	010	C	AC	94	\$2,348	18,151
Lafayette Reservoir			LAFRA	080	C	AC	94	\$14,476	20,609
Lafayette Reservoir			LAFRA	090	C	AC	94	\$20,839	20,609
Main Waste Water TP			MAINWWTP	080	R	AC	95	\$22,111	10,157
May Reservoir			MAYDRES	010	O	AC	95	\$2,098	11,301
Piedmont Pumping Plant			PDMNTDPP	010	O	AC	94	\$786	10,919
RARE Influent Pump Station			RAREIPS	010	O	AC	95	\$1,340	10,761
Scenic Reservoir			SCNDRES	020	O	AC	95	\$1,157	9,148
Schapiro Reservoir			SCPRODRES	020	O	AC	94	\$2,115	11,337
Valory Reservoir			VALDRES	020	O	AC	95	\$2,768	10,772

2024 - SLURRY SEAL Total

\$117,362

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Arcadian Reservoir			ARCDRES	010	O	AC	90	\$9	1,268,440
Bacon Reservoir			BCNDRES	010	C	AC	85	\$23	1,517,855
Carisbrook Reservoir			CRBKDRES	010	O	AC	90	\$20	1,269,607
Faria Pumping Plant			FRADPP	010	C	AC	90	\$15	1,887,789
Mendocino Reservoir			MNDCNDRES	020	O	AC	86	\$9	1,071,828
Pearl Reservoir			PRLDRES	010	C	AC	79	\$107	1,156,793
Pearl Reservoir			PRLDRES	020	O	AC	90	\$9	1,272,774
South Reservoir			STHDRES	020	O	AC	90	\$59	1,264,416
Summit Reservoir			SUMDRES	010	C	AC	81	\$65	1,274,194

Year: 2024

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Westside Reservoir			WSTDRES	010	O	AC	90	\$3	1,267,176
2024 - MILL AND THICK OVERLAY Total					\$0				

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Berkeley Hills Reservoir			BERHDRES	010	C	AC	100	\$224,365	7,822
Berryman Reservoir			BRMNDRES	010	C	AC	100	\$145,050	7,729
Chabot Reservoir			CHASRES	040	C	AC	100	\$64,617	7,778
Crossroads Pumping Plant			CRSRDPP	010	O	AC	100	\$8,990	6,650
Castenada Service Center			CSTNASC	010	R	AC	100	\$277,992	6,884
Castro Reservoir			CSTRDRES	020	O	AC	100	\$24,777	6,863
East Area Field Operations Cen			EASASC	020	R	AC	100	\$120,699	6,651
Echo Springs Reservoir			ECSDRES	020	O	AC	100	\$28,529	6,939
Fire Trail No. 1 Reservoir			FRTL1DRES	010	O	AC	100	\$26,969	6,830
Fire Trail No. 2 Reservoir			FRTL2DRES	020	O	AC	100	\$18,318	6,782
Joaquin Miller Reservoir			JNMLDRES	010	C	AC	100	\$11,433	7,849
Lafayette Center			LAFLOC	070	O	AC	100	\$121,798	6,940
Main Waste Water TP			MAINWWTP	120	O	AC	100	\$110,559	6,824
Main Waste Water TP			MAINWWTP	210	O	AC	100	\$183,017	6,824
Main Waste Water TP			MAINWWTP	220	O	AC	100	\$279,186	6,824
Main Waste Water TP			MAINWWTP	250	O	AC	100	\$435,968	6,617
Miller Reservoir			MLRDRES	020	O	AC	100	\$28,495	6,678
Orinda Watershed Headquarters			ORNDWHLOC	130	O	AC	100	\$195,799	6,820
Proctor No. 1 Reservoir			PRCT1DRES	020	O	AC	100	\$52,376	6,782
Point Isabel Wet Weather TP			PTISWW	010	C	AC	100	\$68,969	7,714
North Richmond Water Reclamati			RCHNRWTP	020	A	AC	100	\$244,372	10,519
Redwood Reservoir			RWDDRES	010	O	AC	100	\$87,350	6,731
Shawn Pumping Plant			SHWNDPP	010	O	AC	100	\$23,339	6,978
San Pablo Reservoir			SNPBLRES	140	O	AC	100	\$165,269	6,969
Shasta No. 2 Reservoir			SSTA2DRES	020	O	AC	100	\$38,068	6,820
South Interceptor WWPS G			STHIWWPSG	010	O	AC	100	\$11,561	6,691

Year: 2024

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Stott Reservoir			STTDRES	010	C	AC	100	\$98,547	7,731
Stott Reservoir			STTDRES	020	O	AC	100	\$44,523	6,872
Valory Reservoir			VALDRES	010	C	AC	100	\$140,272	7,747
2024 - MILL AND THICK OVERLAY Total				\$184,795					
Year 2024 Total				\$184,795					

Year: 2025

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Briones Reservoir Parking			BRINSRESP	020	O	AC	79	\$6,320	11,195
Berryman Rate Control Station			BRMNDFC	010	C	AC	79	\$3,476	12,355
Bayfair Reservoir			BYFRDRES	020	O	AC	78	\$8,848	10,844
Field Reservoir			FLDDRES	010	C	AC	78	\$8,304	11,939
Hink No. 2 Reservoir			HNK2DRES	020	O	AC	79	\$6,162	11,133
Lafayette Reservoir			LAFRA	010	C	AC	77	\$16,457	9,109
Lafayette Reservoir			LAFRA	130	O	AC	78	\$101,203	11,820
Main Waste Water TP			MAINWWTP	030	A	AC	77	\$58,522	11,421
Orinda Watershed Headquarters			ORNDWHLOC	040	C	AC	77	\$15,449	11,767
San Pablo Recreation Area Pump			SNPBLRADPP	010	C	AC	79	\$22,968	10,721
San Ramon Reservoir			SRMNDRES	010	O	AC	78	\$5,461	10,355
South Interceptor WW PS H			STHIWWPSH	010	C	AC	77	\$15,988	9,841
2025 - CAPE SEAL Total				\$269,158					

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Arroyo Reservoir			ARRDRES	010	C	AC	100	\$0	0
**Arroyo Reservoir			ARRDRES	020	O	AC	100	\$0	0
**Briones Center			BRNSLOC	010	C	AC	100	\$0	0
**Briones Center			BRNSLOC	020	C	AC	100	\$0	0
**Carter Reservoir			CARTDRES	010	C	AC	100	\$0	0
**City Line Reservoir			CTLNDRES	010	C	AC	100	\$0	0
**City Line Reservoir			CTLNDRES	020	O	AC	100	\$0	0

Target-Driven Scenarios - Sections Selected for Treatment

2025 - REMOVE AND REPLACE Total \$0

Treatment: FDR/ RECONSTRUCT SURFACE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Briones Reservoir Paved			BRINSRESAC	050	A	AC	100	\$153,571	6,311
Lafayette Center			LAFLOC	010	A	AC	100	\$201,787	6,311
Lafayette Center			LAFLOC	030	A	AC	100	\$84,078	6,311
Oakport Storage Center			OAKWHS	020	A	AC	100	\$212,549	6,311
Orinda Watershed Headquarters			ORNDWHLOC	010	A	AC	100	\$187,584	6,311

2025 - FDR/ RECONSTRUCT SURFACE (AC) Total \$839,569

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
39th Ave Reservoir			39AVDRES	020	C	AC	95	\$1,531	18,378
Adeline Maintenance Center Adm			AMCALOC	040	O	AC/AC	94	\$8,437	12,126
Chabot Reservoir			CHASRES	010	C	AC	95	\$26,359	18,412
Chabot Reservoir			CHASRES	030	C	AC	95	\$14,059	18,412
Lafayette Reservoir			LAFRA	110	C	AC	94	\$12,379	20,043
Oak Knoll Reservoir			OAKDRES	010	C	AC	95	\$449	19,218

2025 - SLURRY SEAL Total \$63,214

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alameda Interceptor WWPS R			ALAIWWPSR	010	A	AC	88	\$5	2,371,496
Birch Reservoir			BRCHDRES	020	O	AC	89	\$25	1,187,453
Briones Disinfection Facility			BRINDFWTP	010	A	AC	77	\$36	1,753,983
Diablo Pumping Plant			DIBDPP	010	O	AC/AC	89	\$1	12,212,181
Diablo Vista Pumping Plant			DIBVDPP	010	O	AC	87	\$6	1,156,632
Greenridge Pumping Plant			GRNRGDPP	010	O	AC	89	\$15	1,092,637
North Interceptor WWPS A			NTHIWWPSA	010	A	AC	88	\$5	2,371,496
Orinda Watershed Headquarters			ORNDWHLOC	020	A	AC	78	\$63	1,770,492
Point Isabel Wet Weather TP			PTISWW	020	A	AC	88	\$48	2,371,496
RARE Treatment Plant			RARENWTP	010	A	AC	81	\$84	1,330,580
San Antonio Creek WW Plant			SANACWW	010	A	AC	75	\$80	1,360,857

Year: 2025

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Schapiro Pumping Plant			SCPRODPP	010	O	AC/AC	89	\$1	26,749,850
Sherwick Reservoir			SHERDRES	010	O	AC	89	\$10	1,184,674
Woods Pumping Plant			WOODDPP	010	O	AC	89	\$15	1,188,992
2025 - SEAL CRACKS Total					\$26				

Treatment: MILL AND THIN OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Ridgewood Pumping Plant (press			RGWDPP	010	O	AC	100	\$0	0
2025 - MILL AND THIN OVERLAY Total					\$0				

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alameda Interceptor WWPS D			ALAIWWPSD	010	O	AC	100	\$9,635	6,490
Alameda Interceptor WWPS F			ALAIWWPSF	010	O	AC	100	\$3,708	6,434
Adeline Maintenance Center Fle			AMCFLOC	030	C	AC	100	\$188,636	7,591
Amito Reservoir			AMTDRES	010	O	AC	100	\$13,286	6,409
Blackhawk Pumping Plant			BHKDPP	010	O	AC	100	\$13,904	6,475
Blackhawk East Pumping Plant			BHKEDPP	010	O	AC	100	\$13,763	6,357
Briones Reservoir Paved			BRINSRESAC	030	C	AC	100	\$99,138	7,581
Emmons Reservoir			EMNSDRES	020	O	AC	100	\$57,229	6,449
Highland Reservoir			HIGHDRES	010	C	AC	100	\$90,475	7,569
Joaquin Miller Reservoir			JNMLDRES	020	O	AC	100	\$35,391	6,350
Las Aromas Pumping Plant			LSARDPP	010	O	AC/AC	100	\$6,584	6,477
Los Altos Reservoir			LSATSDRES	020	O	AC	100	\$71,448	6,440
Main Waste Water TP			MAINWWTP	070	O	AC	100	\$281,543	6,323
Main Waste Water TP			MAINWWTP	170	A	AC	100	\$461,826	10,202
Round Hill Reservoir			RHLDRES	020	O	AC	100	\$21,242	6,329
Walpert North No. 1 Reservoir			WLPTN1DRES	010	C	AC	100	\$96,802	7,596
2025 - MILL AND THICK OVERLAY Total				\$1,464,610					

Target-Driven Scenarios - Sections Selected for Treatment

Year 2025 Total \$1,464,636

Year: 2026

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Colorados Reservoir			COLDRES	010	C	AC	77	\$3,254	9,584
Grayson Reservoir			GRSDRES	010	C	AC	78	\$4,216	10,351
Lafayette Reservoir			LAFRA	140	O	AC	78	\$75,604	11,682
San Catanio Reservoir			SNCNDRES	020	C	AC	77	\$11,829	11,578
Valley View Reservoir			VAVDRES	020	O	AC	78	\$2,782	10,739
Walnut Creek No. 1 Raw Water P			WC1SPP	020	O	AC	78	\$39,042	10,002

2026 - CAPE SEAL Total \$136,727

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Castle Hill Reservoir			CAHDRES	010	C	AC	100	\$0	0
**Castle Hill Reservoir			CAHDRES	020	O	AC	100	\$0	0
**Crest Reservoir			CRSTDRES	010	O	AC	100	\$0	0
**Grizzly Reservoir			GRZDRES	010	C	AC	100	\$0	0
**Grizzly Reservoir			GRZDRES	020	O	AC	100	\$0	0
**Holly Reservoir			HOLDRES	010	C	AC	100	\$0	0
**Holly Reservoir			HOLDRES	020	O	AC	100	\$0	0
**Moraga Raw Water Pumping Plant			MORRWSP	010	C	AC	100	\$0	0
**Woods Reservoir			WOODDRES	010	O	AC	100	\$0	0

2026 - REMOVE AND REPLACE Total \$0

Treatment: FDR/ RECONSTRUCT SURFACE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Briones Reservoir Paved			BRINSRESAC	010	A	AC	100	\$262,034	6,098
Briones Reservoir Paved			BRINSRESAC	020	A	AC	100	\$319,319	6,098
Lafayette Center			LAFLOC	050	A	AC	100	\$413,252	6,098
Main Waste Water TP			MAINWWTP	160	A	AC	100	\$239,133	6,098
Main Waste Water TP			MAINWWTP	180	A	AC	100	\$367,575	6,098
Main Waste Water TP			MAINWWTP	230	A	AC	100	\$286,472	6,098
San Pablo Reservoir			SNPBLRES	050	A	AC	100	\$309,118	6,098
San Pablo Reservoir			SNPBLRES	060	A	AC	100	\$417,212	6,098

2026 - FDR/ RECONSTRUCT SURFACE (AC) Total \$2,614,115

Year: 2026

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Acorn Pumping Plant			ACNDPP	010	O	AC	88	\$2	1,124,714
Alameda Interceptor WWPS B			ALAIWWPSB	010	O	AC	76	\$6	798,851
Adeline Maintenance Center Adm			AMCALOC	030	O	AC	73	\$61	910,488
Adeline Maintenance Center Fle			AMCFLOC	010	O	AC	86	\$65	1,157,331
Adeline Maintenance Center Fle			AMCFLOC	020	R	AC	75	\$78	928,842
Apollo Reservoir			APLDRES	010	C	AC	86	\$25	1,159,540
Apollo Reservoir			APLDRES	020	O	AC	82	\$15	1,230,087
Argyle No. 1 Reservoir			ARGL1DRES	010	C	AC	88	\$21	1,713,937
Argyle Pumping Plant			ARGLDPP	010	O	AC	84	\$13	1,367,471
Bayside GW Central TP			BAYGWTP	010	C	AC	88	\$9	2,281,825
Bacon Pumping Plant			BCNDPP	020	O	AC	74	\$16	774,561
Berkeley Hills Reservoir			BERHDRES	020	O	AC	82	\$30	1,248,605
Berkeley View No. 2 Reservoir			BERV2DRES	020	O	AC	86	\$30	1,516,302
Briones Reservoir Paved			BRINSRESAC	080	C	AC	86	\$37	1,159,540
Brookwood Reservoir			BRWDRES	020	O	AC	88	\$4	1,124,210
Bishop No. 1 Reservoir			BSP1DRES	010	O	AC	84	\$30	1,051,712
Carisbrook Pumping Plant			CARDPP	010	O	AC	82	\$7	1,093,394
Crockett Reservoir			CRKTDRES	020	O	AC	87	\$11	1,023,416
Castenada Service Center			CSTNASC	020	O	AC	86	\$25	1,499,717
Danville Reservoir			DANDRES	010	C	AC	86	\$53	1,159,540
Donald Reservoir			DNLDDRES	010	O	AC	82	\$24	1,391,667
Echo Springs Reservoir			ECSDRES	010	C	AC	86	\$27	1,159,540
Eden No. 1 Reservoir			EDN1DRES	010	C	AC	74	\$77	951,336
Estates No. 1 Reservoir			EST1DRES	010	C	AC	86	\$71	1,156,385
Fay Hill Reservoir			FHLDRES	020	C	AC	88	\$5	1,654,511
Fleet Maintenance East			FMELOC	020	C	AC	85	\$84	1,421,137
Fleet Maintenance East			FMELOC	030	O	AC	79	\$35	897,514
Faria No. 1 Reservoir			FRA1DRES	010	C	AC	90	\$34	2,076,431
Fairview Reservoir			FRVDRES	020	O	AC	84	\$21	1,029,383
Fairview North No. 1 Reservoir			FRVN1DRES	020	O	AC	84	\$58	1,051,739
Forestland Reservoir			FSTDRES	010	O	AC	87	\$23	1,027,774
Grayson Reservoir			GRSDRES	020	O	AC	81	\$17	955,362

Year: 2026

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Grayson Reservoir			GRSDRES	030	O	AC	84	\$19	1,050,639
Gwin Reservoir			GWNDRES	010	C	AC	86	\$19	1,489,198
Happy Valley Reservoir			HAVDRES	020	O	AC	84	\$9	1,096,512
Highland Reservoir			HIGHDRES	020	C	AC	84	\$8	1,349,145
Hink No. 2 Reservoir			HNK2DRES	010	C	AC	79	\$20	1,261,990
Hawthorne Reservoir			HWTDRES	010	C	AC	78	\$51	859,168
Hawthorne Reservoir			HWTDRES	020	O	AC	81	\$44	821,322
Lafayette Reservoir			LAFRA	070	C	AC	84	\$92	1,388,538
Lafayette Reservoir			LAFRA	100	C	AC	88	\$55	1,657,584
Lafayette Reservoir			LAFRA	150	O	AC	80	\$97	921,212
Main Waste Water TP			MAINWWTP	010	O	AC	88	\$130	1,129,474
Main Waste Water TP			MAINWWTP	060	O	AC	75	\$182	961,272
Main Waste Water TP			MAINWWTP	140	C	AC	86	\$44	1,159,540
Main Waste Water TP			MAINWWTP	190	A	AC	88	\$24	2,291,300
Miranda Reservoir			MRNDRES	020	O	AC	79	\$27	1,128,325
Nicholl Knob Reservoir			NCLDRES	010	C	AC	74	\$91	1,089,256
Norris Pumping Plant			NRSDPP	010	C	AC	86	\$5	1,159,540
North Area Service Center			NTHASC	020	C	AC	86	\$234	1,159,540
North Interceptor WWPS Q			NTHIWWPSQ	010	O	AC	84	\$26	1,365,196
Oakport WW Treatment Plant			OAKDS	010	A	AC	75	\$218	1,300,073
Orinda Watershed Headquarters			ORNDWHLOC	030	O	AC	77	\$100	946,200
Palomares No. 1 Reservoir			PLMS1DRES	020	O	AC	80	\$34	1,120,053
Palo Seco Reservoir			PLSCDRES	010	O	AC	74	\$47	922,279
Peralta Reservoir			PRLTDRES	010	C	AC	82	\$18	1,089,993
Peralta Reservoir			PRLTDRES	020	O	AC	87	\$13	1,393,163
Quarry Reservoir			QRYDRES	020	O	AC	86	\$10	1,091,011
North Richmond Water Reclamat			RCHNRWTP	010	A	AC	88	\$33	2,291,300
Road 20 Rate Control Station			RD20DFC	010	O	AC	86	\$25	1,812,254
Round Hill No. 2 Pumping Plant			RH2DPP	010	C	AC	79	\$17	906,034

Year: 2026

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Rheem Pumping Plant			RHMDPP	010	O	AC	85	\$3	1,052,348
Reliez Pumping Plant			RLZDPP	010	O	AC	73	\$24	928,293
Scenic South Reservoir			SCNSDRES	020	O	AC	79	\$37	732,583
Shawn Reservoir			SHWNDRES	020	O	AC	77	\$17	1,050,698
Siesta Reservoir			SISDRES	020	O	AC	80	\$32	1,084,963
Sleepy Hollow Reservoir			SLHWDRES	010	O	AC	86	\$7	1,092,773
San Catanio Reservoir			SNCNDRES	040	O	AC	88	\$15	1,124,873
San Pablo Recreation Area Pump			SNPBLRADPP	020	C	AC	81	\$108	1,181,640
San Pablo Recreation Area Pump			SNPBLRADPP	030	C	AC	87	\$78	1,614,765
San Pablo Reservoir			SNPBLSRES	070	C	AC	86	\$89	1,159,540
San Pablo Reservoir			SNPBLSRES	100	C	AC	86	\$76	1,159,540
South Area Service Center			STHASC	010	O	AC	82	\$56	777,494
South Area Service Center			STHASC	030	R	AC	87	\$14	789,727
South Reservoir			STHDRES	010	C	AC	90	\$14	2,060,590
South Reservoir			STHDRES	030	C	AC	89	\$10	1,780,851
South Interceptor WWPS K			STHIWWPSK	010	O	AC	80	\$9	1,124,888
South Interceptor WWPS J			STHWWPSJ	010	O	AC	75	\$10	766,568
Strathmoor Reservoir			STMRDRES	010	O	AC	85	\$16	1,432,143
Swainland Reservoir			SWNDRES	010	C	AC	73	\$43	740,974
Swainland Reservoir			SWNDRES	020	O	AC	87	\$13	789,591
Wiedemann No. 1 Reservoir			WDMN1DRES	010	C	AC	88	\$3	1,253,596
Wiedemann No. 1 Reservoir			WDMN1DRES	020	O	AC	87	\$26	871,398
Walpert Reservoir			WLPTDRES	010	O	AC	87	\$8	1,099,010
Walpert North No. 1 Reservoir			WLPTN1DRES	020	O	AC	85	\$16	1,061,004
Withers Reservoir			WTHDRES	030	O	AC	87	\$9	1,097,948
2026 - SEAL CRACKS Total					\$730				

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alameda Interceptor WWPS M			ALAIWWPSM	010	O	AC	100	\$7,850	6,148
Adeline Maintenance Center Sho			AMCSLOC	020	R	AC	100	\$225,327	6,197
Bayview No. 1 Reservoir			BAY1DRES	020	O	AC	100	\$96,024	6,163
Field Reservoir			FLDDRES	020	O	AC	100	\$37,774	6,123
Jensen Reservoir			JNSNDRES	020	O	AC	100	\$36,440	6,100
Main Waste Water TP			MAINWWTP	100	A	AC	100	\$299,676	9,832

Year: 2026

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Main Waste Water TP			MAINWWTP	200	O	AC	100	\$89,538	6,157
Mulholland No. 2 Reservoir			MLH2DRES	010	O	AC	100	\$26,164	6,125

2026 - MILL AND THICK OVERLAY Total \$26,164

Year 2026 Total \$26,164

Year: 2027

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alamo Reservoir			ALMDRES	010	C	AC	77	\$3,142	9,893
Fire Trail No. 2 Reservoir			FRTL2DRES	010	C	AC	77	\$6,707	8,543

2027 - CAPE SEAL Total \$9,849

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Country Club Reservoir			CNCBDRES	010	O	AC	100	\$0	0
**Luzon Reservoir			LZNDRES	010	C	AC	100	\$0	0
**Luzon Reservoir			LZNDRES	020	O	AC	100	\$0	0
**Madison Reservoir			MDSNDRES	010	C	AC	100	\$0	0
**Verde Reservoir			VRDDRES	010	C	AC	100	\$0	0
**Verde Reservoir			VRDDRES	020	C	AC	100	\$0	0
**Walnut Creek No. 3 Raw Water P			WC3SPP	010	O	AC	100	\$0	0

2027 - REMOVE AND REPLACE Total \$0

Treatment: FDR/ RECONSTRUCT SURFACE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
39th Ave Reservoir			39AVDRES	030	C	AC	100	\$30,767	4,628
Amador Reservoir			AMDRDRES	020	C	AC	100	\$65,100	4,628
Amito Pumping Plant			AMTDPP	010	C	AC	100	\$58,820	4,628
Bayview No. 1 Reservoir			BAY1DRES	010	C	AC	100	\$65,677	4,628
Berkeley View No. 1 Reservoir			BERV1DRES	010	C	AC	100	\$29,975	4,628
Berkeley View No. 2 Reservoir			BERV2DRES	010	C	AC	100	\$83,726	4,628
Blackhawk No. 1 Reservoir			BHK1DRES	010	C	AC	100	\$58,652	4,628
Briones Reservoir Paved			BRINSRESAC	070	C	AC	100	\$90,307	4,628
Berryman North Reservoir			BRNDRES	010	C	AC	100	\$73,062	4,628

Year: 2027

Treatment: FDR/ RECONSTRUCT SURFACE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Brookwood Reservoir			BRWDRES	010	C	AC	100	\$21,136	4,628
Castro Reservoir			CSTRDRES	010	C	AC	100	\$95,831	4,628
Danville No. 1 Pumping Plant			DAN1DPP	010	C	AC/AC	100	\$68,391	4,628
Emmons Reservoir			EMNSDRES	010	C	AC	100	\$14,003	4,628
Fairview Reservoir			FRVDRES	010	C	AC	100	\$16,699	4,628
Green Valley Reservoir			GRVLDRES	010	C	AC	100	\$97,164	4,628
Happy Valley Reservoir			HAVDRES	010	C	AC	100	\$84,771	4,628
Jensen Reservoir			JNSNDRES	010	C	AC	100	\$22,877	4,628
Los Altos Reservoir			LSATSDRES	010	C	AC	100	\$51,542	4,628
Main Waste Water TP			MAINWWTP	090	A	AC	100	\$484,076	5,891
Main Waste Water TP			MAINWWTP	110	A	AC	100	\$510,976	5,891
Miller Reservoir			MLRDRES	010	C	AC	100	\$36,916	4,628
Palomares No. 1 Reservoir			PLMS1DRES	010	C	AC	100	\$51,783	4,628
Proctor No. 1 Reservoir			PRCT1DRES	010	C	AC	100	\$27,861	4,628
Quarry Reservoir			QRYDRES	010	C	AC	100	\$43,533	4,628
Richmond Reservoir			RCHDRES	010	C	AC	100	\$87,140	4,628
Round Hill Reservoir			RHLDRES	010	C	AC	100	\$50,342	4,628
Shawn Reservoir			SHWNDRES	010	C	AC	100	\$60,813	4,628
Skyline Reservoir			SKYDRES	010	C	AC	100	\$103,745	4,628
San Pablo Reservoir			SNPBLRES	080	C	AC	100	\$85,383	4,628
San Pablo Reservoir			SNPBLRES	120	C	AC	100	\$28,822	4,628
Shasta No. 2 Reservoir			SSTA2DRES	010	C	AC	100	\$80,039	4,628
South Area Service Center			STHASC	040	C	AC	100	\$45,934	4,628
USL Reservoir			USLSRES	040	C	AC	100	\$16,092	4,628
Watson Reservoir			WTSNDRES	010	C	AC	100	\$80,790	4,628
Watson Reservoir			WTSNDRES	020	C	AC	100	\$103,991	4,628

2027 - FDR/ RECONSTRUCT SURFACE (AC) Total \$2,349,514

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Bacon Reservoir			BCNDRES	010	C	AC	87	\$5,474	21,822

** - Treatment from Project Selection

Year: 2027

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Faria No. 1 Reservoir			FRA1DRES	010	C	AC	95	\$13,444	22,183
Faria Pumping Plant			FRADPP	010	C	AC	91	\$5,635	19,971
Pearl Reservoir			PRLDRES	010	C	AC	82	\$17,964	20,567
South Reservoir			STHDRES	010	C	AC	95	\$5,464	22,116
South Reservoir			STHDRES	030	C	AC	94	\$3,166	19,100
Summit Reservoir			SUMDRES	010	C	AC	84	\$12,206	21,153

2027 - SLURRY SEAL Total \$44,435

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
39th Ave Reservoir			39AVDRES	010	C	AC	86	\$40	1,120,328
Adeline Maintenance Center Sho			AMCSLOC	040	O	AC	88	\$79	1,273,754
Amador Reservoir			AMDRDRES	030	O	AC	88	\$24	1,086,702
Argyle No. 2 Reservoir			ARGL2DRES	010	C	AC	86	\$23	1,120,328
Baseline Reservoir			BASEDRES	010	C	AC	86	\$44	1,120,328
Bacon Reservoir			BCNDRES	020	O	AC	90	\$11	1,460,018
Bayfair Reservoir			BYFRDRES	010	C	AC	86	\$66	1,120,328
Central Area Service Center			CENASC	020	R	AC	88	\$36	1,620,242
El Portal Reservoir			ELPDRES	010	O	AC	88	\$16	1,183,166
Faria No. 1 Reservoir			FRA1DRES	020	O	AC	90	\$33	1,471,710
Fairview North No. 1 Reservoir			FRVN1DRES	010	C	AC	74	\$40	923,096
Green Valley Reservoir			GRVLDRES	020	O	AC	75	\$44	741,562
Knife No. 1 Reservoir			KNF1DRES	020	O	AC	87	\$14	692,886
Lafayette Center			LAFLOC	020	C	AC	86	\$35	1,120,328
Lafayette Center			LAFLOC	060	C	AC	86	\$12	1,120,328
Lafayette Reservoir			LAFRA	060	C	AC	88	\$61	1,653,405
Las Trampas Reservoir			LSTSDRES	010	C	AC	73	\$12	875,480
Main Waste Water TP			MAINWWTP	150	C	AC	86	\$83	1,120,328
Montclair Reservoir			MTCLDRES	010	O	AC	76	\$19	797,650
Muir Pumping Plant			MUIRDPP	010	O	AC	88	\$1	1,620,242
Orinda Watershed Headquarters			ORNDWHLOC	140	O	AC	88	\$45	1,620,242
Orinda Watershed Headquarters			ORNDWHLOC	160	C	AC	86	\$55	1,120,328

Year: 2027

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
North Richmond Water Reclamati			RCHNRWTP	020	A	AC	88	\$39	2,213,817
Round Top Reservoir			RTDRES	010	C	AC	86	\$37	1,120,328
Round Top Reservoir			RTDRES	020	C	AC	74	\$19	931,255
Scenic Pumping Plant			SCNDPP	010	C	AC	86	\$6	1,120,328
Scenic South Reservoir			SCNSDRES	010	C	AC	86	\$39	1,120,328
Schapiro Reservoir			SCPRODRES	010	C	AC	88	\$5	1,514,313
Siesta Reservoir			SISDRES	010	C	AC	89	\$16	2,138,941
San Catanio Reservoir			SNCNDRES	010	C	AC	74	\$69	922,938
San Pablo Reservoir			SNPBLSRES	020	C	AC/AC	87	\$11	2,104,885
Sunnyside Reservoir			SUNYDRES	010	C	AC	86	\$25	1,120,328
Tewksbury Reservoir			TWBDRES	010	C	AC	86	\$2	1,120,328
University No. 1 Reservoir			UNV1DRES	010	O	AC	88	\$17	1,087,862
USL Reservoir			USLSRES	020	O	AC	88	\$42	1,092,785
Withers Reservoir			WTHDRES	010	C	AC	86	\$7	1,120,328
Watson Reservoir			WTSNDRES	030	C	AC	86	\$10	1,120,328
2027 - SEAL CRACKS Total					\$305				

Treatment: MILL AND THIN OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Castenada Pumping Plant			CSTNDPP	010	O	AC	100	\$0	0
2027 - MILL AND THIN OVERLAY Total					\$0				

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Bayview Pumping Plant			BAYDPP	010	O	AC	100	\$66,470	5,975
Round Top Pumping Plant			RTDPP	010	O	AC	100	\$8,130	6,027
Summit North Reservoir			SMNDRES	010	O	AC	100	\$71,159	5,946
2027 - MILL AND THICK OVERLAY Total				\$145,759					

Year: 2027

Treatment: RECONSTRUCT STRUCTURE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Dunsmuir Reservoir			DNSRDRES	020	C	AC/PCC	100	\$17,834	4,628
2028 - RECONSTRUCT STRUCTURE (AC) Total					\$17,834				
Year 2028 Total					\$0				

Year: 2028

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alameda Interceptor WWPS R			ALAIWWPSR	020	C	AC	77	\$19,003	8,726
Arlington Reservoir			ARLDRES	010	C	AC	79	\$12,052	9,821
San Catanio Reservoir			SNCNDRES	030	C	AC	79	\$4,495	9,306
Swainland Reservoir			SWNDRES	010	C	AC	79	\$11,733	8,968
Watson Reservoir			WTSNDRES	040	C	AC	79	\$33,451	9,817
2028 - CAPE SEAL Total					\$80,734				

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Donald Pumping Plant			DNLDDPP	010	C	AC	100	\$0	0
**Dos Osos Reservoir			DSOSDRES	010	O	AC	100	\$0	0
**Madrone Reservoir			MDRNDRES	010	C	AC	100	\$0	0
**Madrone Reservoir			MDRNDRES	020	O	AC	100	\$0	0
**Welle Reservoir			WELSDRES	010	C	AC	100	\$0	0
**Welle Reservoir			WELSDRES	020	O	AC	100	\$0	0
2028 - REMOVE AND REPLACE Total					\$0				

Treatment: FDR/ RECONSTRUCT SURFACE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Adeline Maintenance Center Adm			AMCALOC	010	C	AC	100	\$126,778	4,472
Adeline Maintenance Center Sho			AMCSLOC	010	C	AC	100	\$221,861	4,472
Amador Reservoir			AMDRDRES	010	C	AC	100	\$128,244	4,472
Central Area Service Center			CENASC	010	C	AC	100	\$114,193	4,472
Chabot Reservoir			CHASRES	020	C	AC	100	\$256,210	4,472
Crockett Reservoir			CRKTDRES	010	C	AC	100	\$111,577	4,472
Castenada Service Center			CSTNASC	030	C	AC	100	\$128,269	4,472

Year: 2028

Treatment: FDR/ RECONSTRUCT SURFACE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Estates Pumping Plant			ESTDPP	010	C	AC	100	\$225,515	4,472
Lafayette Center			LAFLOC	040	C	AC	100	\$222,979	4,472
Laguna No. 1 Reservoir			LGN1DRES	010	C	AC	100	\$191,807	4,472
Main Waste Water TP			MAINWWTP	130	C	AC	100	\$197,673	4,472
North Richmond Water Reclamati			RCHNRWTP	030	C	AC	100	\$125,224	4,472
Rilea Reservoir			RLADRES	010	C	AC	100	\$131,774	4,472
San Pablo Recreation Area Pump			SNPBLRADPP	040	C	AC	100	\$138,772	4,472
San Pablo Reservoir			SNPBLSRES	110	C	AC	100	\$144,178	4,472
San Pablo Reservoir			SNPBLSRES	130	C	AC	100	\$124,988	4,472
USL Reservoir			USLSRES	010	C	AC	100	\$125,460	4,472
Valley View Reservoir			VAVDRES	010	C	AC	100	\$108,743	4,472

2028 - FDR/ RECONSTRUCT SURFACE (AC) Total \$1,511,598

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alameda Interceptor WWPS R			ALAIWWPSR	010	A	AC	90	\$2,732	25,120
Arcadian Reservoir			ARCDRES	010	O	AC	91	\$3,859	14,390
Bacon Reservoir			BCNDRES	020	O	AC	95	\$4,149	16,371
Carisbrook Reservoir			CRBKDRES	010	O	AC	91	\$8,584	14,368
Faria No. 1 Reservoir			FRA1DRES	020	O	AC	95	\$12,430	16,376
Mendocino Reservoir			MNDCNDRES	020	O	AC	87	\$2,536	14,784
North Interceptor WWPS A			NTHIWWPSA	010	A	AC	90	\$3,121	25,120
Pearl Reservoir			PRLDRES	020	O	AC	91	\$3,893	14,310
Point Isabel Wet Weather TP			PTISWW	020	A	AC	90	\$31,961	25,120
South Reservoir			STHDRES	020	O	AC	91	\$24,859	14,467
Westside Reservoir			WSTDRES	010	O	AC	91	\$1,291	14,413

2028 - SLURRY SEAL Total \$99,415

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Argyle No. 2 Reservoir			ARGL2DRES	020	C	AC	74	\$76	849,851

Year: 2028

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Berkeley Hills Reservoir			BERHDRES	010	C	AC	86	\$66	1,082,443
Briones Disinfection Facility			BRINDFWTP	010	A	AC	76	\$43	1,488,560
Briones Reservoir Paved			BRINSRESAC	050	A	AC	88	\$33	866,785
Berryman Reservoir			BRMNDRES	010	C	AC	86	\$43	1,082,443
Berryman Reservoir			BRMNDRES	020	O	AC	88	\$21	1,053,345
Berryman North Pumping Plant			BRNDPP	010	O	AC	75	\$29	745,552
Bryant Reservoir			BRNTDRES	010	C	AC	74	\$81	855,683
Berryman South Reservoir			BRSDRES	010	O	AC	88	\$25	971,185
Chabot Reservoir			CHASRES	040	C	AC	86	\$19	1,082,443
Claremont Center			CLADTUN	010	C	AC	89	\$55	1,639,951
Crossroads Pumping Plant			CRSRDPP	010	O	AC	88	\$2	1,565,451
Castenada Service Center			CSTNASC	010	R	AC	88	\$35	1,565,451
Castro Reservoir			CSTRDRES	020	O	AC	88	\$4	1,565,451
East Area Field Operations Cen			EASASC	010	O	AC	75	\$135	745,552
East Area Field Operations Cen			EASASC	020	R	AC	88	\$15	1,565,451
Echo Springs Reservoir			ECSDRES	020	O	AC	88	\$4	1,565,451
Eden No. 1 Reservoir			EDN1DRES	020	O	AC	88	\$18	1,054,085
Estates No. 1 Reservoir			EST1DRES	020	O	AC	87	\$11	734,589
Fay Hill Reservoir			FHLDRES	010	C	AC	88	\$45	1,597,320
Fire Trail No. 1 Reservoir			FRTL1DRES	010	O	AC	88	\$4	1,565,451
Fire Trail No. 2 Reservoir			FRTL2DRES	020	O	AC	88	\$3	1,565,451
Fairview North Pumping Plant			FRVWNDPP	010	O	AC	88	\$7	1,050,617
Joaquin Miller Reservoir			JNMLDRES	010	C	AC	86	\$4	1,082,443
Knife No. 1 Reservoir			KNF1DRES	010	C	AC	88	\$10	933,080
Lafayette Center			LAFLOC	010	A	AC	88	\$43	866,785
Lafayette Center			LAFLOC	030	A	AC	88	\$18	866,785
Lafayette Center			LAFLOC	070	O	AC	88	\$16	1,565,451
Lafayette Reservoir			LAFRA	080	C	AC	88	\$54	1,600,151
Lafayette Reservoir			LAFRA	090	C	AC	88	\$77	1,600,151
Las Aromas Reservoir			LSARDRES	010	O	AC	75	\$16	740,657
Las Trampas Reservoir			LSTDRES	020	O	AC	75	\$25	743,616
Main Waste Water TP			MAINWWTP	080	R	AC	88	\$88	1,053,788
Main Waste Water TP			MAINWWTP	120	O	AC	88	\$14	1,565,451

Year: 2028

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Main Waste Water TP			MAINWWTP	170	A	AC	88	\$73	2,138,953
Main Waste Water TP			MAINWWTP	210	O	AC	88	\$23	1,565,451
Main Waste Water TP			MAINWWTP	220	O	AC	88	\$35	1,565,451
Main Waste Water TP			MAINWWTP	250	O	AC	88	\$54	1,565,451
May Reservoir			MAYDRES	010	O	AC	88	\$9	1,316,724
Miller Reservoir			MLRDRES	020	O	AC	88	\$4	1,565,451
Miranda Reservoir			MRNDRES	010	C	AC	74	\$189	1,013,806
Oakport Storage Center			OAKWHS	020	A	AC	88	\$46	866,785
Orinda Watershed Headquarters			ORNDWHLOC	010	A	AC	88	\$40	866,785
Orinda Watershed Headquarters			ORNDWHLOC	020	A	AC	76	\$75	1,502,492
Orinda Watershed Headquarters			ORNDWHLOC	130	O	AC	88	\$25	1,565,451
Piedmont Pumping Plant			PDMNTDPP	010	O	AC	88	\$4	1,051,676
Proctor No. 1 Reservoir			PRCT1DRES	020	O	AC	88	\$7	1,565,451
Point Isabel Wet Weather TP			PTISWW	010	C	AC	86	\$21	1,082,443
RARE Influent Pump Station			RAREIPS	010	O	AC	88	\$6	1,052,133
RARE Treatment Plant			RARENWTP	010	A	AC	78	\$109	1,117,519
Richmond Reservoir			RCHDRES	020	O	AC	75	\$41	743,595
North Richmond Water Reclamat			RCHNRWTP	040	O	AC	75	\$32	750,319
Redwood Reservoir			RWDDRES	010	O	AC	88	\$11	1,565,451
San Antonio Creek WW Plant			SANACWW	010	A	AC	73	\$95	1,135,739
Scenic Reservoir			SCNDRES	020	O	AC	88	\$5	972,186
Schapiro Reservoir			SCPRODRES	020	O	AC	87	\$9	968,427
Shawn Pumping Plant			SHWNDPP	010	O	AC	88	\$3	1,565,451
San Pablo Reservoir			SNPBLSRES	140	O	AC	88	\$21	1,565,451
Shasta No. 2 Reservoir			SSTA2DRES	020	O	AC	88	\$5	1,565,451
South Interceptor WWPS G			STHIWWPSG	010	O	AC	88	\$2	1,565,451
Stott Reservoir			STTDRES	010	C	AC	86	\$29	1,082,443
Stott Reservoir			STTDRES	020	O	AC	88	\$6	1,565,451
Tewksbury Pumping Plant			TWBDPP	010	O	AC	76	\$8	869,745
Valory Reservoir			VALDRES	010	C	AC	86	\$41	1,082,443

Target-Driven Scenarios - Sections Selected for Treatment

Year: 2028

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Valory Reservoir			VALDRES	020	O	AC	88	\$12	1,052,100

2028 - MILL AND THICK OVERLAY Total \$0

Treatment: MILL AND THICK OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Main Waste Water TP			MAINWWTP	020	O	AC	100	\$104,853	5,771

2028 - MILL AND THICK OVERLAY Total \$104,853

Year 2028 Total \$104,853

Year: 2029

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Adeline Maintenance Center Adm			AMCALOC	030	O	AC	79	\$15,177	10,783
Bacon Pumping Plant			BCNDPP	020	O	AC	79	\$3,793	9,063
Eden No. 1 Reservoir			EDN1DRES	010	C	AC	78	\$22,264	9,289
Lafayette Reservoir			LAFRA	010	C	AC	77	\$18,885	8,011
Las Trampas Reservoir			LSTSDRES	010	C	AC	79	\$2,986	9,535
Nicholl Knob Reservoir			NCLDRES	010	C	AC	78	\$22,784	11,385
Oakport WW Treatment Plant			OAKDS	010	A	AC	79	\$66,266	11,911
Orinda Watershed Headquarters			ORNDWHLOC	040	C	AC	79	\$17,728	10,603
Reliez Pumping Plant			RLZDPP	010	O	AC	79	\$5,587	10,046
South Interceptor WW PS H			STHIWWPSH	010	C	AC	79	\$18,346	8,828

2029 - CAPE SEAL Total \$193,816

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Leland Reservoir			LLNDRES	010	C	AC	100	\$0	0
**Leland Reservoir			LLNDRES	020	C	AC	100	\$0	0
**Proctor Pumping Plant			PRTRDPP	010	O	AC	100	\$0	0
**Sobrante Center			SBRNTLOC	010	A	AC	100	\$0	0
**Sobrante Center			SBRNTLOC	020	A	AC	100	\$0	0
**Sobrante Center			SBRNTLOC	030	O	AC	100	\$0	0
**Sobrante Center			SBRNTLOC	040	O	AC	100	\$0	0
**Sobrante Center			SBRNTLOC	050	A	AC	100	\$0	0
**Sobrante Center			SBRNTLOC	060	O	AC	100	\$0	0

** - Treatment from Project Selection

Year: 2029

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Sobrante Center			SBRNTLOC	070	C	AC	100	\$0	0
**Sobrante Center			SBRNTLOC	080	C	AC	100	\$0	0

2029 - REMOVE AND REPLACE Total \$0

Treatment: FDR/ RECONSTRUCT SURFACE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Briones Reservoir Parking			BRINSRESP	010	C	AC	100	\$274,087	4,320
Orinda Watershed Headquarters			ORNDWHLOC	090	C	AC	100	\$291,760	4,320

2029 - FDR/ RECONSTRUCT SURFACE (AC) Total \$565,847

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Apollo Reservoir			APLDRES	010	C	AC	88	\$9,295	18,108
Argyle No. 1 Reservoir			ARGL1DRES	010	C	AC	91	\$6,968	20,216
Bayside GW Central TP			BAYGWTP	010	C	AC	92	\$3,012	27,765
Birch Reservoir			BRCHDRES	010	C	AC	95	\$9,481	24,267
Birch Reservoir			BRCHDRES	020	O	AC	90	\$8,988	14,736
Briones Disinfection Facility			BRINDFWTP	010	A	AC	83	\$5,567	36,068
Briones Reservoir Paved			BRINSRESAC	080	C	AC	88	\$13,875	18,108
Danville Reservoir			DANDRES	010	C	AC	88	\$19,894	18,108
Diablo Pumping Plant			DIBDPP	010	O	AC/AC	91	\$3,305	14,630
Diablo Vista Pumping Plant			DIBVDPP	010	O	AC	89	\$1,733	15,468
Echo Springs Reservoir			ECSDRES	010	C	AC	88	\$9,816	18,108
Estates No. 1 Reservoir			EST1DRES	010	C	AC	89	\$19,693	20,865
Fay Hill Reservoir			FHLDRES	020	C	AC	90	\$1,591	20,369
Fleet Maintenance East			FMELOC	020	C	AC	87	\$20,498	20,375
Greenridge Pumping Plant			GRNRGDPP	010	O	AC	90	\$5,511	14,577
Gwin Reservoir			GWNDRES	010	C	AC	88	\$4,981	20,494
Highland Reservoir			HIGHDRES	020	C	AC	87	\$1,623	22,254

Year: 2029

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Hink No. 2 Reservoir			HNK2DRES	010	C	AC	82	\$3,167	20,498
Hawthorne Reservoir			HWTDRES	010	C	AC	81	\$8,141	17,475
Lafayette Reservoir			LAFRA	070	C	AC	87	\$21,587	20,342
Lafayette Reservoir			LAFRA	100	C	AC	90	\$17,736	20,362
Main Waste Water TP			MAINWWTP	140	C	AC	88	\$16,305	18,108
Main Waste Water TP			MAINWWTP	190	A	AC	90	\$15,551	24,270
Norris Pumping Plant			NRSDPP	010	C	AC	88	\$1,817	18,108
North Area Service Center			NTHASC	020	C	AC	88	\$87,750	18,108
Orinda Watershed Headquarters			ORNDWHLOC	020	A	AC	84	\$9,874	36,280
Peralta Reservoir			PRLTDRES	010	C	AC	85	\$3,626	19,058
RARE Treatment Plant			RARENWTP	010	A	AC	85	\$16,012	28,368
North Richmond Water Reclamati			RCHNRWTP	010	A	AC	90	\$21,662	24,270
Round Hill No. 2 Pumping Plant			RH2DPP	010	C	AC	82	\$2,580	21,249
San Antonio Creek WW Plant			SANACWW	010	A	AC	81	\$11,333	33,329
Schapiro Pumping Plant			SCPRODPP	010	O	AC/AC	91	\$1,413	14,523
Sherwick Reservoir			SHERDRES	010	O	AC	90	\$3,538	14,817
San Pablo Recreation Area Pump			SNPBLRADPP	020	C	AC	84	\$20,176	19,670
San Pablo Recreation Area Pump			SNPBLRADPP	030	C	AC	90	\$23,798	20,374
San Pablo Reservoir			SNPBLSRES	070	C	AC	88	\$33,207	18,108
San Pablo Reservoir			SNPBLSRES	100	C	AC	88	\$28,597	18,108
Wiedemann No. 1 Reservoir			WDMN1DRES	010	C	AC	90	\$884	19,129
Woods Pumping Plant			WOODDPP	010	O	AC	90	\$5,382	14,687

2029 - SLURRY SEAL Total \$350,969

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
39th Ave Reservoir			39AVDRES	020	C	AC	89	\$6	1,596,854
Alameda Interceptor WWPS D			ALAIWWPSD	010	O	AC	88	\$2	1,512,513
Alameda Interceptor WWPS F			ALAIWWPSF	010	O	AC	88	\$1	1,512,513
Adeline Maintenance Center Adm			AMCALOC	040	O	AC/AC	88	\$12	3,051,749
Adeline Maintenance Center Fle			AMCFLOC	030	C	AC	86	\$55	1,045,838
Amito Reservoir			AMTDRES	010	O	AC	88	\$2	1,512,513

Year: 2029

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Blackhawk Pumping Plant			BHKDPP	010	O	AC	88	\$2	1,512,513
Blackhawk East Pumping Plant			BHKEDPP	010	O	AC	88	\$2	1,512,513
Briones Reservoir Paved			BRINSRESAC	010	A	AC	88	\$56	837,473
Briones Reservoir Paved			BRINSRESAC	020	A	AC	88	\$68	837,473
Briones Reservoir Paved			BRINSRESAC	030	C	AC	86	\$29	1,045,838
Briones Reservoir Parking			BRINSRESP	020	O	AC	76	\$30	919,938
Berryman Rate Control Station			BRMNDFC	010	C	AC	74	\$18	853,570
Bayfair Reservoir			BYFRDRES	020	O	AC	76	\$43	836,254
Chabot Reservoir			CHASRES	010	C	AC	89	\$92	1,595,840
Chabot Reservoir			CHASRES	030	C	AC	89	\$49	1,595,840
Emmons Reservoir			EMNSDRES	020	O	AC	88	\$8	1,512,513
Field Reservoir			FLDDRES	010	C	AC	73	\$44	796,862
Highland Reservoir			HIGHDRES	010	C	AC	86	\$27	1,045,838
Hink No. 2 Reservoir			HNK2DRES	020	O	AC	76	\$29	857,863
Joaquin Miller Reservoir			JNMLDRES	020	O	AC	88	\$5	1,512,513
Lafayette Center			LAFLOC	050	A	AC	88	\$88	837,473
Lafayette Reservoir			LAFRA	110	C	AC	88	\$46	1,541,313
Lafayette Reservoir			LAFRA	130	O	AC	76	\$450	880,962
Las Aromas Pumping Plant			LSARDPP	010	O	AC/AC	88	\$1	1,512,513
Los Altos Reservoir			LSATSDRES	020	O	AC	88	\$9	1,512,513
Main Waste Water TP			MAINWWTP	070	O	AC	88	\$35	1,512,513
Main Waste Water TP			MAINWWTP	100	A	AC	88	\$47	2,066,622
Main Waste Water TP			MAINWWTP	160	A	AC	88	\$51	837,473
Main Waste Water TP			MAINWWTP	180	A	AC	88	\$79	837,473
Main Waste Water TP			MAINWWTP	230	A	AC	88	\$61	837,473
Oak Knoll Reservoir			OAKDRES	010	C	AC	89	\$2	1,570,065
Round Hill Reservoir			RHLDRES	020	O	AC	88	\$3	1,512,513
San Pablo Recreation Area Pump			SNPBLRADPP	010	C	AC	75	\$99	857,385

Target-Driven Scenarios - Sections Selected for Treatment

Year: 2029

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
San Pablo Reservoir			SNPBLSRES	050	A	AC	88	\$66	837,473
San Pablo Reservoir			SNPBLSRES	060	A	AC	88	\$89	837,473
San Ramon Reservoir			SRMNDRES	010	O	AC	75	\$28	718,991
Walpert North No. 1 Reservoir			WLPTN1DRES	010	C	AC	86	\$29	1,045,838
2029 - SEAL CRACKS Total					\$146				
Year 2029 Total					\$146				

Year: 2030

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Colorados Reservoir			COLDRES	010	C	AC	77	\$3,734	8,316
Fairview North No. 1 Reservoir			FRVN1DRES	010	C	AC	78	\$9,887	10,513
Grayson Reservoir			GRSDRES	010	C	AC	78	\$4,838	9,081
Palo Seco Reservoir			PLSCDRES	010	O	AC	78	\$12,466	10,357
Round Top Reservoir			RTDRES	020	C	AC	78	\$4,685	10,465
San Catanio Reservoir			SNCNDRES	010	C	AC	78	\$20,009	9,078
South Interceptor WWPS J			STHWWPSJ	010	O	AC	78	\$2,521	9,605
2030 - CAPE SEAL Total				\$58,140					

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Almond Reservoir			ALNDRES	010	O	AC	100	\$0	0
**Reliez Reservoir			RLZDRES	010	C	AC	100	\$0	0
**Reliez Reservoir			RLZDRES	020	O	AC	100	\$0	0
**Tice Reservoir			TCEDRES	010	O	AC	100	\$0	0
2030 - REMOVE AND REPLACE Total					\$0				

Treatment: FDR/ RECONSTRUCT SURFACE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Chabot Reservoir			CHASRES	080	C	AC	100	\$369,395	4,174
Moraga Reservoir			MORGDRES	010	C	AC	100	\$374,001	4,174
Orinda Watershed Headquarters			ORNDWHLOC	060	C	AC	100	\$307,563	4,174
Orinda Watershed Headquarters			ORNDWHLOC	070	C	AC	100	\$352,379	4,174
Orinda Watershed Headquarters			ORNDWHLOC	080	C	AC	100	\$378,396	4,174

** - Treatment from Project Selection

Year: 2030

Treatment: FDR/ RECONSTRUCT SURFACE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
USL Reservoir			USLSRES	030	C	AC	100	\$355,695	4,174
2030 - SLURRY SEAL Total					\$0				

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
39th Ave Reservoir			39AVDRES	010	C	AC	88	\$14,823	17,496
Acorn Pumping Plant			ACNDPP	010	O	AC	89	\$646	14,840
Alameda Interceptor WWPS B			ALAIWWPSB	010	O	AC	79	\$733	18,715
Adeline Maintenance Center Fle			AMCFLOC	010	O	AC	88	\$17,685	15,837
Adeline Maintenance Center Fle			AMCFLOC	020	R	AC	79	\$10,871	19,378
Apollo Reservoir			APLDRES	020	O	AC	86	\$2,973	22,048
Argyle No. 2 Reservoir			ARGL2DRES	010	C	AC	88	\$8,465	17,496
Argyle Pumping Plant			ARGLDPP	010	O	AC	88	\$2,966	23,053
Baseline Reservoir			BASEDRES	010	C	AC	88	\$16,463	17,496
Berkeley Hills Reservoir			BERHDRES	020	O	AC	87	\$6,163	22,181
Berkeley View No. 2 Reservoir			BERV2DRES	020	O	AC	90	\$8,112	23,966
Brookwood Reservoir			BRWDRES	020	O	AC	89	\$1,095	14,852
Bishop No. 1 Reservoir			BSP1DRES	010	O	AC	87	\$7,243	15,988
Bayfair Reservoir			BYFRDRES	010	C	AC	88	\$24,752	17,496
Carisbrook Pumping Plant			CARDPP	010	O	AC	86	\$1,288	22,347
Crockett Reservoir			CRKTDRES	020	O	AC	88	\$3,129	15,076
Castenada Service Center			CSTNASC	020	O	AC	90	\$6,694	23,877
Donald Reservoir			DNLDDRES	010	O	AC	87	\$4,975	22,662
Fleet Maintenance East			FMELOC	030	O	AC	82	\$5,725	16,769
Fairview Reservoir			FRVDRES	020	O	AC	86	\$4,829	16,176
Fairview North No. 1 Reservoir			FRVN1DRES	020	O	AC	87	\$14,138	15,987
Forestland Reservoir			FSTDRES	010	O	AC	89	\$6,883	14,949
Grayson Reservoir			GRSDRES	020	O	AC	84	\$3,135	16,641
Grayson Reservoir			GRSDRES	030	O	AC	87	\$4,478	16,011
Happy Valley Reservoir			HAVDRES	020	O	AC	86	\$1,930	16,389
Hawthorne Reservoir			HWTDRES	020	O	AC	84	\$8,459	15,881
Lafayette Center			LAFLOC	020	C	AC	88	\$13,077	17,496
Lafayette Center			LAFLOC	060	C	AC	88	\$4,185	17,496
Lafayette Reservoir			LAFRA	060	C	AC	91	\$20,903	19,540

Year: 2030

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Lafayette Reservoir			LAFRA	150	O	AC	83	\$17,119	16,742
Main Waste Water TP			MAINWWTP	010	O	AC	89	\$43,038	14,724
Main Waste Water TP			MAINWWTP	060	O	AC	79	\$25,353	21,225
Main Waste Water TP			MAINWWTP	150	C	AC	88	\$31,120	17,496
Miranda Reservoir			MRNDRES	020	O	AC	83	\$4,515	18,004
North Interceptor WWPS Q			NTHIWWPSQ	010	O	AC	88	\$5,993	23,035
Orinda Watershed Headquarters			ORNDWHLOC	030	O	AC	81	\$15,177	19,325
Orinda Watershed Headquarters			ORNDWHLOC	160	C	AC	88	\$20,508	17,496
Palomares No. 1 Reservoir			PLMS1DRES	020	O	AC	84	\$6,168	21,082
Peralta Reservoir			PRLTDRES	020	O	AC	91	\$3,776	22,493
Quarry Reservoir			QRYDRES	020	O	AC	88	\$2,634	15,453
North Richmond Water Reclamat			RCHNRWTP	020	A	AC	90	\$25,458	23,450
Road 20 Rate Control Station			RD20DFC	010	O	AC	90	\$6,782	24,005
Rheem Pumping Plant			RHMDPP	010	O	AC	87	\$516	15,974
Rheem Reservoir			RHMDRES	020	O	AC	95	\$4,088	18,468
Round Top Reservoir			RTDRES	010	C	AC	88	\$13,864	17,496
Scenic Pumping Plant			SCNDPP	010	C	AC	88	\$2,064	17,496
Scenic South Reservoir			SCNSDRES	010	C	AC	88	\$14,633	17,496
Scenic South Reservoir			SCNSDRES	020	O	AC	81	\$6,171	15,750
Schapiro Reservoir			SCPRODRES	010	C	AC	90	\$1,449	19,154
Shawn Reservoir			SHWNDRES	020	O	AC	81	\$2,550	22,333
Siesta Reservoir			SISDRES	010	C	AC	91	\$5,732	20,584
Siesta Reservoir			SISDRES	020	O	AC	83	\$5,602	18,302
Sleepy Hollow Reservoir			SLHWDRES	010	O	AC	88	\$1,955	15,413
San Catanio Reservoir			SNCNDRES	040	O	AC	89	\$4,774	14,836
San Pablo Reservoir			SNPBLRES	020	C	AC/AC	90	\$4,517	18,637
South Area Service Center			STHASC	010	O	AC	84	\$11,292	15,550
South Area Service Center			STHASC	030	R	AC	88	\$4,170	14,253
South Interceptor WWPS K			STHIWWPSK	010	O	AC	84	\$1,606	21,136
Strathmoor Reservoir			STMRDRES	010	O	AC	89	\$3,939	23,485
Sunnyside Reservoir			SUNYDRES	010	C	AC	88	\$9,255	17,496

Target-Driven Scenarios - Sections Selected for Treatment

Year: 2030

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Swainland Reservoir			SWNDRES	020	O	AC	88	\$3,892	14,237
Tewksbury Reservoir			TWBDRES	010	C	AC	88	\$540	17,496
Wiedemann No. 1 Reservoir			WDMN1DRES	020	O	AC	89	\$7,901	14,410
Walpert Reservoir			WLPTDRES	010	O	AC	88	\$2,265	15,274
Walpert North No. 1 Reservoir			WLPTN1DRES	020	O	AC	87	\$4,006	15,821
Withers Reservoir			WTHDRES	010	C	AC	88	\$2,473	17,496
Withers Reservoir			WTHDRES	030	O	AC	88	\$2,509	15,298
Watson Reservoir			WTSNDRES	030	C	AC	88	\$3,632	17,496
2030 - SLURRY SEAL Total				\$27,218					

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alameda Interceptor WWPS M			ALAIWWPSM	010	O	AC	88	\$1	1,461,366
Adeline Maintenance Center Sho			AMCSLOC	020	R	AC	88	\$28	1,461,366
Bayview No. 1 Reservoir			BAY1DRES	020	O	AC	88	\$12	1,461,366
Field Reservoir			FLDDRES	020	O	AC	88	\$5	1,461,366
Jensen Reservoir			JNSNDRES	020	O	AC	88	\$5	1,461,366
Lafayette Reservoir			LAFRA	140	O	AC	77	\$329	879,785
Main Waste Water TP			MAINWWTP	090	A	AC	88	\$103	809,153
Main Waste Water TP			MAINWWTP	110	A	AC	88	\$109	809,153
Main Waste Water TP			MAINWWTP	200	O	AC	88	\$12	1,461,366
Mulholland No. 2 Reservoir			MLH2DRES	010	O	AC	88	\$4	1,461,366
San Catanio Reservoir			SNCNDRES	020	C	AC	73	\$63	767,589
Valley View Reservoir			VAVDRES	020	O	AC	75	\$14	850,323
Walnut Creek No. 1 Raw Water P			WC1SPP	020	O	AC	75	\$194	693,633
2030 - SEAL CRACKS Total					\$879				

Year 2030 Total \$28,097

Year: 2031

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Alamo Reservoir			ALMDRES	010	C	AC	78	\$3,606	8,707
Argyle No. 2 Reservoir			ARGL2DRES	020	C	AC	77	\$18,570	9,450

Target-Driven Scenarios - Sections Selected for Treatment

Year: 2031

Treatment: CAPE SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Bryant Reservoir			BRNTDRES	010	C	AC	77	\$23,247	8,194
Field Reservoir			FLDDRES	010	C	AC	79	\$10,207	9,891
Fire Trail No. 2 Reservoir			FRTL2DRES	010	C	AC	78	\$7,696	7,519
Green Valley Reservoir			GRVLDRES	020	O	AC	78	\$11,725	8,314
Miranda Reservoir			MRNDRES	010	C	AC	77	\$46,698	9,638
2031 - CAPE SEAL Total				\$76,326					

Treatment: REMOVE AND REPLACE

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Central Reservoir			CENDRES	010	C	AC	100	\$0	0
**Central Reservoir			CENDRES	020	C	AC/AC	100	\$0	0
**Walnut Creek Center			WCCLOC	010	A	AC	100	\$0	0
**Walnut Creek Center			WCCLOC	020	A	AC	100	\$0	0
**Walnut Creek Center			WCCLOC	030	C	AC	100	\$0	0
**Walnut Creek Center			WCCLOC	040	C	AC	100	\$0	0
**Walnut Creek Center			WCCLOC	050	O	AC	100	\$0	0
**Walnut Creek Center			WCCLOC	060	C	AC	100	\$0	0
2031 - REMOVE AND REPLACE Total					\$0				

Treatment: FDR/ RECONSTRUCT SURFACE (AC)

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Briones Reservoir Paved			BRINSRESAC	040	C	AC	100	\$411,040	4,033
Briones Reservoir Paved			BRINSRESAC	060	C	AC	100	\$472,407	4,033
Dunsmuir Reservoir			DNSRDRES	010	C	AC	100	\$487,981	4,033
Lafayette Reservoir			LAFRA	020	C	AC	100	\$502,048	4,033
Orinda Watershed Headquarters			ORNDWHLOC	050	C	AC	100	\$413,523	4,033
Orinda Watershed Headquarters			ORNDWHLOC	100	C	AC	100	\$533,578	4,033
2031 - FDR/ RECONSTRUCT SURFACE (AC) Total					\$2,820,577				

Year: 2031

Treatment: SLURRY SEAL

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Adeline Maintenance Center Sho			AMCSLOC	040	O	AC	90	\$26,528	14,538
Amador Reservoir			AMDRDRES	030	O	AC	89	\$7,724	14,337
Berkeley Hills Reservoir			BERHDRES	010	C	AC	88	\$24,609	16,904
Berryman Reservoir			BRMNDRES	010	C	AC	88	\$15,909	16,904
Central Area Service Center			CENASC	020	R	AC	90	\$32,914	13,225
Chabot Reservoir			CHASRES	040	C	AC	88	\$7,088	16,904
Claremont Center			CLADTUN	010	C	AC	91	\$19,687	18,758
El Portal Reservoir			ELPDRES	010	O	AC	90	\$5,244	14,335
Fay Hill Reservoir			FHLDRES	010	C	AC	91	\$15,299	18,879
Joaquin Miller Reservoir			JNMLDRES	010	C	AC	88	\$1,254	16,904
Knife No. 1 Reservoir			KNF1DRES	010	C	AC	89	\$2,987	17,122
Knife No. 1 Reservoir			KNF1DRES	020	O	AC	88	\$4,203	13,623
Lafayette Reservoir			LAFRA	080	C	AC	91	\$18,418	18,871
Lafayette Reservoir			LAFRA	090	C	AC	91	\$26,513	18,871
Main Waste Water TP			MAINWWTP	170	A	AC	90	\$48,111	22,657
Montclair Reservoir			MTCLDRES	010	O	AC	79	\$2,666	16,121
Muir Pumping Plant			MUIRDPP	010	O	AC	90	\$137	13,225
Orinda Watershed Headquarters			ORNDWHLOC	140	O	AC	90	\$41,478	13,225
Point Isabel Wet Weather TP			PTISWW	010	C	AC	88	\$7,565	16,904
Stott Reservoir			STTDRES	010	C	AC	88	\$10,809	16,904
University No. 1 Reservoir			UNV1DRES	010	O	AC	89	\$5,543	14,309
USL Reservoir			USLSRES	020	O	AC	89	\$14,028	14,191
Valory Reservoir			VALDRES	010	C	AC	88	\$15,385	16,904

2031 - SLURRY SEAL Total \$354,099

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
39th Ave Reservoir			39AVDRES	030	C	AC	90	\$6	689,593
Alameda Interceptor WWPS R			ALAIWWPSR	010	A	AC	86	\$11	1,337,114
Amador Reservoir			AMDRDRES	020	C	AC	90	\$12	689,593
Amito Pumping Plant			AMTDPP	010	C	AC	90	\$11	689,593
Bayview No. 1 Reservoir			BAY1DRES	010	C	AC	90	\$12	689,593
Bayview Pumping Plant			BAYDPP	010	O	AC	88	\$9	1,411,947

** - Treatment from Project Selection

Year: 2031

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Bacon Reservoir			BCNDRES	010	C	AC	82	\$36	1,026,193
Berkeley View No. 1 Reservoir			BERV1DRES	010	C	AC	90	\$6	689,593
Berkeley View No. 2 Reservoir			BERV2DRES	010	C	AC	90	\$15	689,593
Blackhawk No. 1 Reservoir			BHK1DRES	010	C	AC	90	\$11	689,593
Briones Reservoir Paved			BRINSRESAC	050	A	AC	83	\$56	858,086
Briones Reservoir Paved			BRINSRESAC	070	C	AC	90	\$16	689,593
Berryman North Reservoir			BRNDRES	010	C	AC	90	\$13	689,593
Brookwood Reservoir			BRWDRES	010	C	AC	90	\$4	689,593
Castro Reservoir			CSTRDRES	010	C	AC	90	\$17	689,593
Danville No. 1 Pumping Plant			DAN1DPP	010	C	AC/AC	90	\$12	689,593
Dunsmuir Reservoir			DNSRDRES	020	C	AC/PCC	90	\$4	689,593
Emmons Reservoir			EMNSDRES	010	C	AC	90	\$3	689,593
Faria Pumping Plant			FRADPP	010	C	AC	85	\$29	1,162,272
Fairview Reservoir			FRVDRES	010	C	AC	90	\$3	689,593
Green Valley Reservoir			GRVLDRES	010	C	AC	90	\$17	689,593
Happy Valley Reservoir			HAVDRES	010	C	AC	90	\$15	689,593
Jensen Reservoir			JNSNDRES	010	C	AC	90	\$4	689,593
Lafayette Center			LAFLOC	010	A	AC	83	\$73	858,086
Lafayette Center			LAFLOC	030	A	AC	83	\$31	858,086
Los Altos Reservoir			LSATSDRES	010	C	AC	90	\$9	689,593
Miller Reservoir			MLRDRES	010	C	AC	90	\$7	689,593
North Interceptor WWPS A			NTHIWWPSA	010	A	AC	86	\$12	1,337,114
Oakport Storage Center			OAKWHS	020	A	AC	83	\$77	858,086
Orinda Watershed Headquarters			ORNDWHLOC	010	A	AC	83	\$68	858,086
Palomares No. 1 Reservoir			PLMS1DRES	010	C	AC	90	\$9	689,593
Proctor No. 1 Reservoir			PRCT1DRES	010	C	AC	90	\$5	689,593
Pearl Reservoir			PRLDRES	010	C	AC	77	\$157	803,789
Point Isabel Wet Weather TP			PTISWW	020	A	AC	86	\$119	1,337,114
Quarry Reservoir			QRYDRES	010	C	AC	90	\$8	689,593

Year: 2031

Treatment: SEAL CRACKS

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
Richmond Reservoir			RCHDRES	010	C	AC	90	\$16	689,593
Round Hill Reservoir			RHLDRES	010	C	AC	90	\$9	689,593
Round Top Pumping Plant			RTDPP	010	O	AC	88	\$2	1,411,947
Shawn Reservoir			SHWNDRES	010	C	AC	90	\$11	689,593
Skyline Reservoir			SKYDRES	010	C	AC	90	\$18	689,593
Summit North Reservoir			SMNDRES	010	O	AC	88	\$9	1,411,947
San Pablo Reservoir			SNPBLSRES	080	C	AC	90	\$15	689,593
San Pablo Reservoir			SNPBLSRES	120	C	AC	90	\$5	689,593
Shasta No. 2 Reservoir			SSTA2DRES	010	C	AC	90	\$14	689,593
South Area Service Center			STHASC	040	C	AC	90	\$8	689,593
South Reservoir			STHDRES	010	C	AC	91	\$16	1,752,280
South Reservoir			STHDRES	030	C	AC	88	\$13	1,420,683
Summit Reservoir			SUMDRES	010	C	AC	79	\$97	883,406
USL Reservoir			USLSRES	040	C	AC	90	\$3	689,593
Watson Reservoir			WTSNDRES	010	C	AC	90	\$15	689,593
Watson Reservoir			WTSNDRES	020	C	AC	90	\$19	689,593
2031 - SEAL CRACKS Total					\$254				

Treatment: MILL AND THIN OVERLAY

Lot Location	Begin Location	End Location	Lot ID	Section ID	FC	Surface	PCI	Cost	Rating
**Crockett Pumping Plant			CRKTDPP	010	O	AC	100	\$0	0
2031 - MILL AND THIN OVERLAY Total					\$0				
Year 2031 Total					\$254				
Grand Total				\$29,605,609					



EXHIBIT F

INFORMATION TECHNOLOGY SECURITY INFORMATION TO BE EXCLUDED FROM PUBLIC RECORDS ACT REQUESTS

EBMUD is required to respond to California Public Records Act (CA PRA) requests. Request for Proposals (RFP) are subject to CA PRA requests. If you are submitting sensitive security information about your products or services as part of your response to an RFP for software services, you must submit it as part of Exhibit F for it to be categorized as exempt from CA PRA requests. Any information submitted outside of Exhibit F may be released in response to a CA PRA request.

If you are submitting any information as an attachment, be sure to add the phrase EXHIBIT F to the title and/or filename.