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Contract Number  
24-1194

SAP Number  
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## San Bernardino County Flood Control District

<b>Dept. Contract Representative</b>	Christopher Bland, Stormwater Manager/ Arlene Chun, M.S., P.E., Engineering Manager
<b>Telephone Number</b>	<u>909 387-8109</u>
<b>Consultant</b>	<u>Babcock Laboratories, Inc.</u>
<b>Consultant Representative</b>	<u>Cathleen Iijima</u>
<b>Telephone Number</b>	<u>951-653-3351</u>
<b>Contract Term</b>	<u>December 3, 2024 – June 30, 2029</u>
<b>Original Contract Amount</b>	<u>\$4,000,000.</u>
<b>Amendment Amount</b>	<u>n/a</u>
<b>Total Contract Amount</b>	<u>\$4,000,000.</u>
<b>Cost Center</b>	<u>1990002510 District \$500,000</u> <u>1990002550 Areawide \$3,500,000</u>
<b>Grant Number (if applicable)</b>	_____

**IT IS HEREBY AGREED AS FOLLOWS:**

**WHEREAS**, on January 29, 2010, the California Regional Water Quality Control Board – Santa Ana Region (SARWQCB) adopted the National Pollution Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System Permit (MS4 Permit) for urban stormwater discharges from the San Bernardino County Flood Control District (District), the San Bernardino County (County), and the Cities of Big Bear Lake, Chino, Chino Hills, Colton, Fontana, Grand Terrace, Highland, Loma Linda, Montclair, Ontario, Rancho Cucamonga, Redlands, Rialto, San Bernardino, Upland, and Yucaipa (Permittees) within the Santa Ana River Watershed; and

**WHEREAS**, the District, County and Permittees, collectively, developed the Area Wide Urban Stormwater Program (Program), to cooperatively implement the requirements set forth in the MS4 Permit; and

**WHEREAS**, the District is the Principal Permittee for the Program; and

**WHEREAS**, the District and Program desires to conduct as-needed professional regulatory assistance and related NPDES services as further described herein (Services); and

**WHEREAS**, the District conducted a competitive process under Request for Proposals (PWG125-LANDD-5556) and find **Babcock Laboratories, Inc.** (Consultant) qualified to provide these Services, and

**WHEREAS**, the District and Program desires that such services be provided by Consultant and Consultant agrees to perform these services as set forth below;

**NOW, THEREFORE**, the District and Consultant mutually agree to the following terms and conditions:

**A. DEFINITIONS**

**A.1 Board.** The Board of Supervisors acting as the governing body of the San Bernardino County Flood Control District and/or San Bernardino County.

**A.2 Consultant.** Any individual, company, firm, corporation, partnership or other organization to whom a contract award is made by the District.

**A.3 Contract.** The Contract between the District and the Proposer resulting from the award issued pursuant to the RFP.

**A.4 County.** Except as otherwise provided in this Contract, "County" shall mean San Bernardino County.

**A.5 District.** The San Bernardino County Flood Control District.

**A.6 MS4 Permit.** The National Pollutant Discharge Elimination System Municipal Separate Storm Sewer System Permit adopted and issued by the California Regional Water Quality Control Board - Santa Ana Region. The current MS4 Permit was adopted on January 29, 2010.

**A.7 Permittees.** Cities of Big Bear Lake, Chino, Chino Hills, Colton, Fontana, Grand Terrace, Highland, Loma Linda, Montclair, Ontario, Rancho Cucamonga, Redlands, Rialto, San Bernardino, Upland, and Yucaipa.

**A.8 Principal Permittee.** The District or the San Bernardino County Flood Control District.

**A.9 Program.** The Areawide Urban Stormwater Program developed by the District, County, and Permittees to cooperatively implement the Santa Ana River Watershed NPDES MS4 (Phase 1) Permit requirements.

**A.10 Proposal.** The offer to provide specific goods or services at specified prices and/or other conditions specified in the RFP.

**A.11 Purchasing Agent.** The Director of the County Purchasing Department.

**A.12 Request for Proposal (RFP).** The request for an offer from Proposers interested in providing the identified services sought to be procured by the District. The RFP specifies the evaluation factors to be used and contains or incorporates by reference contractual terms and conditions applicable to the procurement.

**A.13 RWQCB.** The Santa Ana Regional Water Quality Control Board.

**A.14 Services.** The requested professional services described in RFP No. PWG125-LANDD-5556 and further specified in Section B, below.

**A.15 SubConsultant.** An individual, company, firm, corporation, partnership or other organization, not in the employment of or owned by Consultant who is performing services on behalf of Consultant under the Contract or under a separate contract with or on behalf of Consultant.

**A.16 SWRCB.** The State Water Resources Control Board.

**A.17 Task Order.** Document prepared by the District as it requires Services, which includes a scope

of work and proposal from the Consultant to provide Services.

**A.18 TMDL.** Total Maximum Daily Load.

**B. CONSULTANT RESPONSIBILITIES**

As Services are required, the District may, in the District's sole discretion: 1) prepare a scope of work requesting proposals from one or more Consultants with an approved on-call contract for Services; or 2) utilize Consultants with an approved on-call contract for Services on a "rotational" basis as specific projects requiring consultant services are identified. In both cases, the scope of work will include a description of the work, work product(s), work schedule (i.e., milestones, deadlines, etc.), and pertinent references. The proposal shall include, at a minimum, the summary of the approach to the District identified scope of work, and a cost estimate identifying including labor, materials, sub-consultants, unit rates, etc. Unit rates in the proposal shall match the rates identified in Exhibit 1, attached to this Contract and incorporated herein by this reference. The proposal is reviewed and written approval is provided in the form of a Task Order by an authorized representative of District prior to work activities commencing. Services will be performed pursuant to the approved Task Order, proposal and the terms and conditions of this Contract. The District may consider the ability of Consultant to provide/complete the necessary Services within a specific timeframe, experience, and cost. A Task Order approved by an authorized representative of District will be issued to the Consultant awarded the specific project and becomes part of this Contract.

The District does not guarantee a minimum or maximum number of tasks that may be assigned to Consultant. The District reserves its rights to procure professional services and regulatory assistance in support of the District's NPDES MS4 Permits from vendors through other procurement methods.

Services required for which a Task Order may be issued, include, but are not limited to:

**B.1 Report Preparation Assistance**

- a. Draft report language
- b. Compile and evaluate reported data
- c. Review and address stakeholder comments in consultation with the District

**B.2 Monitoring Program Assistance**

- a. Provide technical monitoring advice
- b. Prepare or revise monitoring plans
- c. Provide field support for monitoring programs or special projects, as necessary
- d. Provide needed permanent or temporary sampling or monitoring equipment or infrastructure
- e. Provide review, interpretation and evaluation of sampling data

**B.3 Stormwater Management Plan Implementation Assistance**

- a. Prepare or revise any Program documents (e.g. Water Quality Management Plan/Post-Construction Management Plan and related materials, Best Management Practice guidance, Low Impact Development documents, etc.)
- b. Provide technical support to execute Permit requirements
- c. Prepare presentation materials

**B.4 NPDES MS4 Permit Renewal Assistance**

- a. Provide expertise regarding potential and/or foreseeable MS4 Permit requirements
- b. Prepare and/or review Report of Waste Discharge or Notice of Intent documents
- c. Prepare appurtenant plans and/or documents in support of MS4 Permit renewal
- d. Participate in negotiations and/or discussions with applicable regulatory agencies related to MS4 Permit renewal

**B.5 Education and Outreach Support**

Prepare and/or review documents related to the Program's education and outreach programs

**B.6 Program Training Assistance**

- a. Prepare training documents and tools (props, presentations, etc.)
- b. Conduct training events and workshops in support of Program components
- c. Provide expertise and evaluation of existing, proposed and/or potential training programs, components or training aids
- d. Prepare documentation of above tasks

**B.7 MS4 Database and GIS Support**

- a. Provide evaluation of existing database(s)
- b. Provide programming and technical support in the creation or maintenance of database(s)
- c. Prepare documentation in support of database use by District, County, Permittees, other municipalities, and/or the Public

**B.8 Total Maximum Daily Load (TMDL) Assistance**

- a. Prepare or revise source evaluation plans (i.e. CBRP) per regulatory deadlines
- b. Prepare or revise implementation plans per regulatory deadlines
- c. Provide expertise and participate in negotiations and/or discussions with applicable regulatory agencies related to TMDLs

**B.9 Other Future Permit Compliance Tasks – as Needed**

The Consultant may be asked to provide other, as yet unspecified, professional services to District to support the Program and/or District.

**C. GENERAL CONTRACT REQUIREMENTS**

**Recitals**

The recitals set forth above are true and correct and incorporated herein by this reference.

**C.1 Contract Amendments**

Consultant agrees any alterations, variations, modifications, or waivers of the provisions of the Contract, shall be valid only when reduced to writing, executed and attached to the original Contract and approved by the person(s) authorized to do so on behalf of Consultant and District.

**C.2 Consultant Contract Exclusivity**

This is not an exclusive Contract. The District reserves the right to enter into a contract with other consultants for the same or similar services. The District does not guarantee or represent that the Consultant will be permitted to perform any minimum amount of work, or receive a minimum amount of compensation, under the terms of this Contract.

**C.3 Attorney's Fees and Costs**

If any legal action is instituted to enforce any party's rights hereunder, each party shall bear its own costs and attorney's fees, regardless of who is the prevailing party. This paragraph shall not apply to those costs and attorney's fees directly arising from a third-party legal action against a party hereto and payable under Indemnification and Insurance Requirements.

**C.4 Background Checks for Consultant Personnel**

Consultant shall ensure that its personnel (a) are authorized to work in the jurisdiction in which they are assigned to perform services; (b) do not use legal or illegal substances in any manner which will impact their ability to provide services to the District; and (c) are not otherwise disqualified from performing the services under applicable law. If requested by the District and not in violation of applicable law, Consultant shall conduct a background check, at Consultant's sole expense, on all its personnel providing services. If requested by the District, Consultant shall provide the results of the background check of

each individual to verify that the individual meets Consultant's standards for employment. Such background check shall be in the form generally used by Consultant in its initial hiring of employees or contracting for Consultants or, as applicable, during the employment-screening process but must, at a minimum, have been performed within the preceding 12-month period. Consultant personnel who do not meet the District's hiring criteria, in District's sole discretion, shall not be assigned to work on District property or services, and District shall have the right, at its sole option, to refuse access to any of Consultant's personnel to any District facility.

#### **C.5 Change of Address**

Consultant shall notify the District in writing, of any change in mailing address within ten (10) business days of the change.

#### **C.6 Choice of Law**

This Contract shall be governed by and construed according to the laws of the State of California.

#### **C.7 Compliance with District Policy**

In performing the services and while at any District facilities, Consultant personnel (including subconsultants) shall (a) conduct themselves in a businesslike manner; (b) comply with the policies, procedures, and rules of the District regarding health and safety, and personal, professional and ethical conduct; (c) comply with the finance, accounting, banking, Internet, security, and/or other applicable standards, policies, practices, processes, procedures, and controls of the District; and (d) abide by all laws applicable to the District facilities and the provision of the services, and all amendments and modifications to each of the items addressed in subsections (b), (c), and (d) (collectively, "District Policies"). County Policies, and additions or modifications thereto, may be communicated orally or in writing to Consultant or Consultant personnel or may be made available to Consultant or Consultant personnel by conspicuous posting at a District facility, electronic posting, or other means generally used by District to disseminate such information to its employees or Consultants. Consultant shall be responsible for the promulgation and distribution of District Policies to Consultant personnel to the extent necessary and appropriate.

District shall have the right to require Consultant's employees, agents, representatives and subconsultants to exhibit identification credentials issued by District in order to exercise any right of access under this Contract.

#### **C.8 Confidentiality**

Consultant shall protect from unauthorized use or disclosure the names and other identifying information concerning persons receiving services pursuant to this Contract, except for statistical information not identifying any participant. Consultant shall not use or disclose any identifying information for any purpose other than carrying out the Consultant's obligations under this Contract, except as may otherwise be required.

#### **C.9 Primary Point of Contact**

Consultant will designate an individual to serve as the primary point of contact for the Contract. Consultant or designee must respond to District inquiries within two (2) business days. Consultant shall not change the primary contact without written acknowledgement to the District. Consultant will also designate a back-up point of contact in the event the primary contact is not available.

#### **C.10 District Representative**

The **Chief Flood Control Engineer, the Director of the Department of Public Works, the Deputy Director of Flood Control or the designee of the Director or Deputy Director**, shall represent the District in all matters pertaining to the services to be rendered under this Contract, including termination and assignment of this Contract, and shall be the final authority in all matters pertaining to the services/Scope of Work by Consultant. If this Contract was initially approved by the District Board of Supervisors, then the Board of Supervisors must approve all amendments to this Contract, unless otherwise delegated.

#### **C.11 Damage to District Property**

Consultant shall repair, or cause to be repaired, at its own cost, all damages to District vehicles, facilities, buildings or grounds caused by the willful or negligent acts of Consultant or its employees or agents. Such repairs shall be made immediately after Consultant becomes aware of such damage, but in no event later than thirty (30) days after the occurrence.

If the Consultant fails to make timely repairs, the District may make any necessary repairs. The Consultant, as determined by the District, shall repay all costs incurred by the District for such repairs, by cash payment upon demand, or District may deduct such costs from any amounts due to the Consultant from the District, as determined at the District's sole discretion.

### **C. 12 Debarment and Suspension**

Consultant certifies that neither it nor its principals or subconsultants is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency. (See the following United States General Services Administration's System for Award Management website <https://www.sam.gov>). Consultant further certifies that if it or any of its subconsultants are business entities that must be registered with the California Secretary of State, they are registered and in good standing with the Secretary of State.

### **C.13 Drug and Alcohol Free Workplace**

In recognition of individual rights to work in a safe, healthful and productive work place, as a material condition of this Contract, the Consultant agrees that the Consultant and the Consultant's employees, while performing service for the District, on District property, or while using District equipment:

- C.13.1** Shall not be in any way impaired because of being under the influence of alcohol or an illegal or controlled substance.
- C.13.2** Shall not possess an open container of alcohol or consume alcohol or possess or be under the influence of an illegal or controlled substance.
- C.13.3** Shall not sell, offer, or provide alcohol or an illegal or controlled substance to another person, except where Consultant or Consultant's employee who, as part of the performance of normal job duties and responsibilities, prescribes or administers medically prescribed drugs.

Consultant shall inform all employees that are performing service for the District on District property, or using District equipment, of the District's objective of a safe, healthful and productive work place and the prohibition of drug or alcohol use or impairment from same while performing such service for the District.

The District may terminate for default or breach of this Contract and any other Contract the Consultant has with the District, if the Consultant or Consultant's employees are determined by the District not to be in compliance with above.

### **C.14 Duration of Terms**

This Contract, and all of its terms and conditions, shall be binding upon and shall inure to the benefit of the heirs, executors, administrators, successors, and assigns of the respective parties, provided no such assignment is in violation of the provisions of this Contract.

### **C.15 Employment Discrimination**

During the term of the Contract, Consultant shall not discriminate against any employee or applicant for employment because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, sexual orientation, age, or military and veteran status. Consultant shall comply with Executive Orders 11246, 11375, 11625, 12138, 12432, 12250, 13672, Title VI and Title VII of the Civil Rights Act of 1964, the California Fair Employment and Housing Act and other applicable Federal, State

and County laws and regulations and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted.

#### **C.16 Environmental Requirements**

In accordance with County Policy 11-08, the County prefers to acquire and use products with higher levels of post-consumer recycled content. Environmentally preferable goods and materials must perform satisfactorily and be available at a reasonable price. The County requires Consultant to use recycled paper for any printed or photocopied material created as a result of this Contract. Consultant is also required to use both sides of paper sheets for reports submitted to the County whenever practicable.

To assist the County in meeting the reporting requirements of the California Integrated Waste Management Act of 1989 (AB 939), Consultant must be able to annually report the County's environmentally preferable purchases. Consultant must also be able to report on environmentally preferable goods and materials used in the provision of their service to the County, utilizing a County approved form.

#### **C.17 Improper Influence**

Consultant shall make all reasonable efforts to ensure that no District officer or employee, whose position in the District enables him/her to influence any award of the Contract or any competing offer, shall have any direct or indirect financial interest resulting from the award of the Contract or shall have any relationship to the Consultant or officer or employee of the Consultant.

#### **C.18 Improper Consideration**

Consultant shall not offer (either directly or through an intermediary) any improper consideration such as, but not limited to cash, discounts, service, the provision of travel or entertainment, or any items of value to any officer, employee or agent of the District in an attempt to secure favorable treatment regarding this Contract.

The District, by written notice, may immediately terminate this Contract if it determines that any improper consideration as described in the preceding paragraph was offered to any officer, employee or agent of the District with respect to the proposal and award process. This prohibition shall apply to any amendment, extension or evaluation process once a contract has been awarded.

Consultant shall immediately report any attempt by a District officer, employee or agent to solicit (either directly or through an intermediary) improper consideration from Consultant. The report shall be made to the supervisor or manager charged with supervision of the employee or the County Administrative Office. In the event of a termination under this provision, the District is entitled to pursue any available legal remedies.

#### **C.19 Informal Dispute Resolution**

In the event the District determines that service is unsatisfactory, or in the event of any other dispute, claim, question or disagreement arising from or relating to this Contract or breach thereof, the parties hereto shall use their best efforts to settle the dispute, claim, question or disagreement. To this effect, they shall consult and negotiate with each other in good faith and, recognizing their mutual interests, attempt to reach a just and equitable solution satisfactory to both parties.

#### **C.20 Legality and Severability**

The parties' actions under the Contract shall comply with all applicable laws, rules, regulations, court orders and governmental agency orders. The provisions of this Contract are specifically made severable. If a provision of the Contract is terminated or held to be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall remain in full effect.

#### **C.21 Licenses, Permits and/or Certifications**

Consultant shall ensure that it has all necessary licenses, permits and/or certifications required by Federal, State, County, and municipal laws, ordinances, rules and regulations. The Consultant shall

maintain these licenses, permits and/or certifications in effect for the duration of this Contract. Consultant will notify District immediately of loss or suspension of any such licenses, permits and/or certifications. Failure to maintain a required license, permit and/or certification may result in immediate termination of this Contract.

#### **C.22 Material Misstatement/Misrepresentation**

If during the course of the administration of this Contract, the District determines that Consultant has made a material misstatement or misrepresentation or that materially inaccurate information has been provided to the District, this Contract may be immediately terminated. If this Contract is terminated according to this provision, the District is entitled to pursue any available legal remedies.

#### **C.23 Mutual Covenants**

The parties to this Contract mutually covenant to perform all of their obligations hereunder, to exercise all discretion and rights granted hereunder, and to give all consents in a reasonable manner consistent with the standards of "good faith" and "fair dealing".

#### **C.24 Nondisclosure**

Consultant shall hold as confidential and use reasonable care to prevent unauthorized access by, storage, disclosure, publication, dissemination to and/or use by third parties of, confidential information that is either: (1) provided by the District to Consultant or an agent of Consultant or otherwise made available to Consultant or Consultant's agent in connection with this Contract; or, (2) acquired, obtained, or learned by Consultant or an agent of Consultant in the performance of this Contract. For purposes of this provision, confidential information means any data, files, software, information or materials in oral, electronic, tangible or intangible form and however stored, compiled or memorialize and includes, but is not limited to: technology infrastructure, architecture, financial data, trade secrets, equipment specifications, user lists, passwords, research data, and technology data.

#### **C.25 Notice of Delays**

Except as otherwise provided herein, when either party has knowledge that any actual or potential situation is delaying or threatens to delay the timely performance of this contract, that party shall, within twenty-four (24) hours, give notice thereof, including all relevant information with respect thereto, to the other party.

#### **C.26 Ownership of Documents**

All documents, data, products, graphics, computer programs and reports prepared by Consultant pursuant to the Contract shall be considered property of the District upon payment for services (and products, if applicable). All such items shall be delivered to District at the completion of work under the Contract, subject to the requirements of Article D—Term of the Contract. Unless otherwise directed by District, Consultant may retain copies of such items.

#### **C.27 Participation Clause**

The District desires that Municipalities, School Districts, and other Tax Districts within the San Bernardino County requiring the same services provided herein may at their option and through the County Purchasing agent, avail themselves of this Contract. Upon notice, in writing, the Consultant agrees to the extension of the terms of a resultant contract with such governmental bodies as though they have been expressly identified in this bid, with the provisions that:

**C.27.1** Such governmental body does not have and will not have in force any other contract for like purchases.

**C.27.2** Such governmental body does not have under consideration for award any other bids or quotations for like purchases.

Such governmental body shall make purchases directly through and to the Consultant. The District will not be liable for any such purchase made between the Consultant and another governmental body who avails themselves of this contract.



### **C.28 Air, Water Pollution Control, Safety and Health**

Consultant shall comply with all air pollution control, water pollution, safety and health ordinances and statutes, which apply to the work performed pursuant to this Contract.

### **C.30 Records**

Consultant shall maintain all records and books pertaining to the delivery of services under this Contract and demonstrate accountability for contract performance. All records shall be complete and current and comply with all Contract requirements. Failure to maintain acceptable records shall be considered grounds for withholding of payments for invoices submitted and/or termination of the Contract.

All records relating to the Consultant's personnel, consultants, subconsultants, services/Scope of Work and expenses pertaining to this Contract shall be kept in a generally acceptable accounting format. Records should include primary source documents. Fiscal records shall be kept in accordance with Generally Accepted Accounting Principles and must account for all funds, tangible assets, revenue and expenditures. Fiscal records must comply with the appropriate Office of Management and Budget (OMB) Circulars, which state the administrative requirements, cost principles and other standards for accountancy.

### **C.31 Relationship of the Parties**

Nothing contained in this Contract shall be construed as creating a joint venture, partnership, or employment arrangement between the Parties hereto, nor shall either Party have the right, power or authority to create an obligation or duty, expressed or implied, on behalf of the other Party hereto. In the performance of this Contract, Consultant, its agents and employees, shall act in an independent capacity and not as officers, employees, or agents of the San Bernardino County Flood Control District. Any provision of this Contract that may appear to give the District any right to direct the Consultant concerning the details of performing the services/Scope of Work, or to exercise any control over such performance, shall mean only that the Consultant shall follow the direction of the District concerning the end results of the performance.

### **C.32 Release of Information**

No news releases, advertisements, public announcements or photographs arising out of the Contract or Consultant's relationship with District may be made or used without prior written approval of the District.

### **C.33 Strict Performance**

Failure by a party to insist upon the strict performance of any of the provisions of this Contract by the other party, or the failure by a party to exercise its rights upon the default of the other party, shall not constitute a waiver of such party's right to insist and demand strict compliance by the other party with the terms of this Contract thereafter.

### **C.34 Subconsulting**

Consultant shall obtain District's written consent, which District may withhold in its sole discretion, before entering into Contracts with or otherwise engaging any subconsultants who may supply any part of the services to District. At District's request, Consultant shall provide information regarding the subconsultant's qualifications and a listing of a subconsultant's key personnel including, if requested by the District, resumes of proposed subconsultant personnel. Consultant shall remain directly responsible to District for its subconsultant and shall indemnify District for the actions or omissions of its subconsultants under the terms and conditions specified in Article G. All approved subconsultants shall be subject to the provisions of this Contract applicable to Consultant Personnel.

For any subconsultant, Consultant shall:

- 34.1** Be responsible for subconsultant compliance with the Contract and the subcontract terms and conditions; and
- 34.2** Ensure that the subconsultant follows District's reporting formats and procedures as specified by District.
- 34.3** Include in the subconsultant's subcontract substantially similar terms as are provided in Articles B. Consultant Responsibilities and C. General Contract Requirements.

Upon expiration or termination of this Contract for any reason, District will have the right to enter into direct Contracts with any of the subconsultants. Consultant agrees that its arrangements with subconsultants will not prohibit or restrict such subconsultants from entering into direct contracts with District.

### **C. 35 Subpoena**

In the event that a subpoena or other legal process commenced by a third party in any way concerning the Services provided under this Contract is served upon Consultant or District, such party agrees to notify the other party in the most expeditious fashion possible following receipt of such subpoena or other legal process. Consultant and District further agree to cooperate with the other party in any lawful effort by such other party to contest the legal validity of such subpoena or other legal process commenced by a third party as may be reasonably required and at the expense of the party to whom the legal process is directed, except as otherwise provided herein in connection with defense obligations by Consultant for District.

### **C.36 Termination for Convenience**

The District reserves the right to terminate the Contract, for its convenience, with or without cause, with a thirty (30) day written notice of termination. Such termination may include all or part of the services described herein. Upon such termination, payment will be made to the Consultant for services rendered and expenses reasonably incurred prior to the effective date of termination. Upon receipt of termination notice Consultant shall promptly discontinue services unless the notice directs otherwise. Consultant shall deliver promptly to District and transfer title (if necessary) to all completed work, and work in progress, including drafts, documents, plans, forms, data, products, graphics, computer programs and reports.

### **C.37 Time of the Essence**

Time is of the essence in performance of this Contract and of each of its provisions.

### **C.38 Venue**

The parties acknowledge and agree that this Contract was entered into and intended to be performed in San Bernardino County, California. The parties agree that the venue of any action or claim brought by any party to this Contract will be the Superior Court of California, County of San Bernardino, San Bernardino District. Each party hereby waives any law or rule of the court, which would allow them to request or demand a change of venue. If any action or claim concerning this Contract is brought by any third-party and filed in another venue, the parties hereto agree to use their best efforts to obtain a change of venue to the Superior Court of California, County of San Bernardino, San Bernardino District.

### **C.39 Conflict of Interest**

Consultant shall make all reasonable efforts to ensure that no conflict of interest exists between its officers, employees, or subconsultants and the District. Consultant shall make a reasonable effort to prevent officers, employees, subconsultants, or members of governing bodies from using their positions for purposes that are, or give the appearance of being motivated by a desire for private gain for themselves or others such as those with whom they have family business, or other ties. Officers, employees, and agents of cities, counties, districts, and other local agencies are subject to applicable conflict of interest codes and state law. In the event the District determines a conflict of interest situation exists, any increase in costs, associated with the conflict of interest situation, may be disallowed by the District and such conflict may constitute grounds for termination of the Contract. This provision shall not be construed to prohibit employment of persons with whom Consultant's officers, employees, or agents have family, business, or other ties so long as the employment of such persons does not result in increased costs over those associated with the employment of any other equally qualified applicant.

Consultant understands per the attached Conflict of Interest and Political Reform Act Obligations (Attachment B) that the **Chief Flood Control Engineer, the Director of the Department of Public Works, the Deputy Director of Flood Control or the designee of the Director or Deputy Director** has determined Consultant meets Disclosure Determination number [1] and that [no disclosure] is required.

#### **C.40 Former District Administrative Officials**

Consultant agrees to provide, or has already provided information on former San Bernardino District administrative officials (as defined below) who are employed by or represent Consultant. The information provided includes a list of former District administrative officials who terminated District employment within the last five years and who are now officers, principals, partners, associates or members of the business. The information also includes the employment with or representation of Consultant. For purposes of this provision, "District administrative official" is defined as a member of the Board of Supervisors or such officer's staff, County Executive Officer or member of such officer's staff, County department or group head, assistant department or group head, or any employee in the Exempt Group, Management Unit or Safety Management Unit.

#### **C.41 Disclosure of Criminal and Civil Procedures**

District reserves the right to request the information described herein from Consultant. Failure to provide the information may result in a termination of the Contract. The District also reserves the right to obtain the requested information by way of a background check performed by an investigative firm. The Consultant also may be requested to provide information to clarify initial responses. Negative information discovered may result in Contract termination.

Consultant is required to disclose whether the firm, or any of its partners, principals, members, associates or key employees (as that term is defined herein), within the last ten years, has been indicted on or had charges brought against it or them (if still pending) or convicted of any crime or offense arising directly or indirectly from the conduct of the firm's business, or whether the firm, or any of its partners, principals, members, associates or key employees, has within the last ten years, been indicted on or had charges brought against it or them (if still pending) or convicted of any crime or offense involving financial misconduct or fraud. If the response is affirmative, the Consultant will be asked to describe any such indictments or charges (and the status thereof), convictions and the surrounding circumstances in detail.

In addition, the Consultant is required to disclose whether the firm, or any of its partners, principals, members, associates or key employees, within the last ten years, has been the subject of legal proceedings as defined herein arising directly from the provision of services by the firm or those individuals. "Legal proceedings" means any civil actions filed in a court of competent jurisdiction, or any matters filed by an administrative or regulatory body with jurisdiction over the firm or the individuals. If the response is affirmative, the Consultant will be asked to describe any such legal proceedings (and the status and disposition thereof) and the surrounding circumstances in detail.

For purposes of this provision "key employees" includes any individuals providing direct service to the District. "Key employees" do not include clerical personnel providing service at the firm's offices or locations.

#### **C.42 Copyright**

District shall have a royalty-free, non-exclusive and irrevocable license to publish, disclose, copy, translate, and otherwise use, copyright or patent, now and hereafter, all reports, studies, information, data, statistics, forms, designs, plans, procedures, systems, and any other materials or properties developed under this Contract including those covered by copyright, and reserves the right to authorize others to use or reproduce such material. All such materials developed under the terms of this Contract shall acknowledge the San Bernardino County Flood Control District as the funding agency and Consultant as the creator of the publication. No such materials, or properties produced in whole or in part under this Contract shall be subject to private use, copyright or patent right by Consultant in the United States or in any other country without the express written consent of District. Copies of all educational and training materials, curricula, audio/visual aids, printer material, and periodicals, assembled pursuant to this Contract must be filed with the District prior to publication.

#### **C.43 Artwork, Proofs and Negatives**

All artwork, proofs, and/or negatives in either print or digital format for anything produced under the terms of this Contract are the property of the District. These items must be returned to the District within ten

(10) days, upon written notification to the Consultant. In the event of a failure to return the documents, the District is entitled to pursue any available legal remedies. In addition, Consultant will be barred from all future solicitations, for a period of at least six (6) months.

#### **C.44 Iran Contracting Act**

IRAN CONTRACTING ACT OF 2010, Public Contract Code sections 2200 et seq. (Applicable for all Contracts of one million dollars (\$1,000,000) or more). In accordance with Public Contract Code section 2204(a), the Consultant certifies that at the time the Contract is signed, the Consultant signing the Contract is not identified on a list created pursuant to subdivision (b) of Public Contract Code section 2203 as a person (as defined in Public Contract Code section 2202(e)) engaging in investment activities in Iran described in subdivision (a) of Public Contract Code section 2202.5, or as a person described in subdivision (b) of Public Contract Code section 2202.5, as applicable.

Consultants are cautioned that making a false certification may subject the Consultant to civil penalties, termination of existing contract, and ineligibility to bid on a contract for a period of three (3) years in accordance with Public Contract Code section 2205.

#### **C.45 Prevailing Wage Laws**

By its execution of this Contract, Consultant certifies that it is aware of the requirements of California Labor Code Sections 1720 et seq. and 1770 et seq. as well as California Code of Regulations, Title 8, Section 16000 et seq. ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. Section 1720 of the California Labor Code states in part: "For purposes of this paragraph, 'construction' includes work performed during the design, site assessment, feasibility study, and other preconstruction phases of construction including, but not limited to, inspection and land surveying work..." If the Services/Scope of Work are being performed as part of an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and if the total compensation is \$1,000 or more, Consultant agrees to fully comply with such Prevailing Wage Laws. Consultant shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to execute the Services available to interested parties upon request, and shall post copies at the Consultant's principal place of business and at the project site. Consultant will also adhere to any other applicable requirements, including but not limited to, those regarding the employment of apprentices, travel and subsistence pay, retention and inspection of payroll records, workers compensation and forfeiture of penalties prescribed in the Labor Code for violations. Consultant shall defend, indemnify and hold the District and County, its elected officials, officers, employees and agents free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or alleged failure to comply with Prevailing Wage Laws. See Attachment A, which is attached and incorporated by reference, for additional information regarding Prevailing Wage Laws. Consultant shall comply with all applicable terms and conditions in Attachment A. The applicable general prevailing wage determinations are on file with the County and are available to any interested party on request. Consultant shall post a copy of the applicable prevailing wage determinations at the job site.

#### **C. 46 Errors, Omissions and/or Conflicts**

Consultant shall be responsible for the integrity of all design and research studies prepared or approved by the Consultant and should District suffer damages due to errors, omissions, and/or conflicts within such documents, the Consultant shall be responsible to District for costs of all such damages.

#### **C. 47 Regulatory Agencies**

Except for emergencies, or except for situations where contact is required by law or relevant professional canons of ethics (in which case Consultant will use its professional efforts to notify and confer with the District before such contact, the parties recognizing that there may not be time for such in an emergency), Consultant shall not contact the Local Enforcement Agency, South Coast Air Quality Management District or other regulatory agencies concerning any site that is the subject of this Contract without San Bernardino County Flood Control District prior approval.

### **C. 48 California Consumer Privacy Act**

To the extent applicable, if Consultant is a business that collects the personal information of a consumer(s) in performing Services pursuant to this Contract, Consultant must comply with the provisions of the California Consumer Privacy Act (CCPA). (Cal. Civil Code §§1798.100, et seq.). For purposes of this provision, "business," "consumer," and "personal information" shall have the same meanings as set forth at Civil Code section 1798.140. Consultant must contact the District immediately upon receipt of any request by a consumer submitted pursuant to the CCPA that requires any action on the part of the District, including but not limited to, providing a list of disclosures or deleting personal information. Consultant must not sell, market or otherwise disclose personal information of a consumer provided by the District unless specifically authorized pursuant to terms of this Contract. Consultant must immediately provide to the District any notice provided by a consumer to Consultant pursuant to Civil Code section 1798.150(b) alleging a violation of the CCPA, that involves personal information received or maintained pursuant to this Contract. Consultant must immediately notify the District if it receives a notice of violation from the California Attorney General pursuant to Civil Code section 1798.155(b).

### **C. 49 Executive Order N-6-22 Russia Sanctions**

On March 4, 2022, Governor Gavin Newsom issued Executive Order N-6-22 (the EO) regarding Economic Sanctions against Russia and Russian entities and individuals. "Economic Sanctions" refers to sanctions imposed by the U.S. government in response to Russia's actions in Ukraine (<https://home.treasury.gov/policy-issues/financial-sanctions/sanctions-programs-and-country-information/ukraine-russia-related-sanctions>), as well as any sanctions imposed under state law (<https://www.dgs.ca.gov/OLS/Ukraine-Russia>). The EO directs state agencies and their Consultants (including by agreement or receipt of a grant) to terminate contracts with, and to refrain from entering any new contracts with, individuals or entities that are determined to be a target of Economic Sanctions. Accordingly, should it be determined that Consultant is a target of Economic Sanctions or is conducting prohibited transactions with sanctioned individuals or entities, that shall be grounds for termination of this agreement. Consultant shall be provided advance written notice of such termination, allowing Consultant at least 30 calendar days to provide a written response. Termination shall be at the sole discretion of the District.

### **C.50 Campaign Contribution Disclosure (SB 1439)**

Consultant has disclosed to the District using Attachment D - Campaign Contribution Disclosure Senate Bill 1439, whether it has made any campaign contributions of more than \$250 to any member of the Board of Supervisors or other County elected officer [Sheriff, Assessor-Recorder-Clerk, Auditor-Controller/Treasurer/Tax Collector and the District Attorney] within the earlier of: (1) the date of the submission of Consultant's proposal to the District, or (2) 12 months before the date this Contract was approved by the Board of Supervisors. Consultant acknowledges that under Government Code section 84308, Consultant is prohibited from making campaign contributions of more than \$250 to any member of the Board of Supervisors or County elected officer for 12 months after the District's consideration of the Contract.

In the event of a proposed amendment to this Contract, the Consultant will provide the District a written statement disclosing any campaign contribution(s) of more than \$250 to any member of the Board of Supervisors or other County elected officer within the preceding 12 months of the date of the proposed amendment.

Campaign contributions include those made by any agent/person/entity on behalf of the Consultant or by a parent, subsidiary or otherwise related business entity of Consultant.

**D. TERM OF CONTRACT**

This Contract is effective as of December 3, 2024 and expires June 30, 2029 but may be terminated earlier in accordance with provisions of this Contract. The Contract term may be extended for two additional one-year periods by mutual agreement of the parties.

**E. DISTRICT RESPONSIBILITIES**

**E.1** Designate in writing a person or persons to act as representative of the District with respect to the work to be performed under this Contract. Such personnel shall transmit instructions, receive information, and interpret policies and decisions of the District with respect to the work covered by this Contract. The point of contact as representative of the District is as follows:

San Bernardino County Flood Control District  
Attn: Christopher Bland, Stormwater Program Manager.  
825 East Third Street, Room 117  
San Bernardino, CA 92415-0835  
Phone: (909) 387-8109  
Fax: (909) 387-0305  
E-mail: [Christopher.Bland@dpw.sbcounty.gov](mailto:Christopher.Bland@dpw.sbcounty.gov)

**E.2** Furnish to Consultant, as reasonably appropriate, any pertinent information related to the Project.

**E.3** Provide to the Consultant with up-to-date information as it becomes available which may have an effect on the Project activities being performed by the Consultant.

**E.4** Examine all studies, reports, estimates, proposals, and other documents prepared by Consultant under this Contract.

**E.5** Give prompt written notice to the Consultant whenever the District asserts that Consultant's performance is deficient with regards to the services.

**F. FISCAL PROVISIONS**

**F.1** The maximum amount of *reimbursement* under this Contract shall not exceed \$4 million, of which \$0 may be federally funded, and shall be subject to availability of other funds to the District. The consideration to be paid to Consultant, as provided herein, shall be in full payment for all Consultant's services and expenses incurred in the performance hereof, including travel and per diem.

Consultant bears the risk that it may not be able to generate its anticipated (or any) profit in completing its performance of all required items of work for the specified level of compensation. In no event shall Consultant be entitled to receive compensation for any item of work required of Consultant under the terms of the Contract, which item of work is not performed by Consultant (including Consultant's agents and approved subconsultants).

**F.2** Consultant's "Fee Proposal Sheet", attached as Exhibit 1, hereto, sets out the Consultant's estimate of the cost (including wages) of completing the Scope of Work. The Cost Proposal was used by the District to determine the reasonableness of the cost of Consultant's proposal and is further used in making progress payments to Consultant and in making payment to Consultant in the event of the termination of the Contract prior to the completion of all items of work. Consultant is not entitled to any additional compensation by virtue of its costs (including wages) for any item of work exceeding the cost set forth in its Cost Proposal, including excess costs related to delays

in completion of the Project. Payment shall be made on a percent of task completed to the District's satisfaction pursuant to Exhibit 1.

- F.3** Consultant shall provide District itemized monthly invoices, in arrears, and in a format acceptable to the District for services performed under this Contract within twenty (20) days of the end of the previous month. The District shall make payment to Consultant within sixty (60) working days after receipt of invoice or the resolution of any billing dispute.

Please send invoices to: [DPWBillpay@dpw.sbcounty.gov](mailto:DPWBillpay@dpw.sbcounty.gov)

- F.4** Consultant shall accept all payments from District via electronic funds transfer (EFT) directly deposited into the Consultant's designated checking or other bank account. Consultant shall promptly comply with directions and accurately complete forms provided by District required to process EFT payments.

- F.5** District is exempt from Federal excise taxes and no payment shall be made for any personal property taxes levied on Consultant or on any taxes levied on employee wages. The District shall only pay for any State or local sales or use taxes on the services rendered or equipment and/or parts supplied to the District pursuant to the Contract.

- F.6** Costs for services under the terms of this Contract shall be incurred during the contract period except as approved by District. Consultant shall not use current year funds to pay prior or future year obligations.

- F.7** Funds made available under this Contract shall not supplant any federal, state or any governmental funds intended for services of the same nature as this Contract. Consultant shall not claim reimbursement or payment from District for, or apply sums received from District with respect to that portion of its obligations that have been paid by another source of revenue. Consultant agrees that it will not use funds received pursuant to this Contract, either directly or indirectly, as a contribution or compensation for purposes of obtaining funds from another revenue source without prior written approval of the District.

- F.8** Consultant shall adhere to the County's Travel Management Policy (8-02 and 08-02SP1) when travel is pursuant to this Contract and for which reimbursement is sought from the District. In addition, Consultant is encouraged to utilize local transportation services, including but not limited to, the Ontario International Airport.

**G. INDEMNIFICATION AND INSURANCE REQUIREMENTS**

**For the purposes of this Section G, "District" and/or "County" shall be deemed to refer to both the San Bernardino County Flood Control District and the San Bernardino County.**

**G.1 Indemnification**

The Consultant agrees to indemnify, defend (with counsel reasonably approved by District) and hold harmless the District, County, and their authorized officers, employees, agents and volunteers ("Indemnitees") from any and all claims, actions, losses, damages and/or liability arising out of this Contract from any cause whatsoever, including the acts, errors or omissions of any person and for any costs or expenses incurred by the Indemnitees on account of any claim except where such indemnification is prohibited by law. This indemnification provision shall apply regardless of the existence or degree of fault of Indemnitees. The Consultant indemnification obligation applies to the Indemnitees' "active" as well as "passive" negligence but does not apply to the Indemnitees' "sole negligence" or "willful misconduct" within the meaning of Civil Code section 2782.

**G.2 Additional Insured**

All policies, except for Worker's Compensation, Errors and Omissions and Professional Liability policies shall contain additional endorsements naming the District and County and its officers, employees, agents and volunteers as additional named insured with respect to liabilities arising out of the performance of services hereunder. The additional insured endorsements shall not limit the scope of coverage for the County to vicarious liability but shall allow coverage for the County to the full extent provided by the policy. Such additional insured coverage shall be at least as broad as Additional Insured (Form B) endorsement form ISO, CG 2010.11 85.

**G.3 Waiver of Subrogation Rights**

Consultant shall require the carriers of required coverages to waive all rights of subrogation against the County, its officers, employees, agents, volunteers, Consultants and subconsultants. All general or auto liability insurance coverage provided shall not prohibit Consultant and Consultant's employees or agents from waiving the right of subrogation prior to a loss or claim. Consultant hereby waives all rights of subrogation against the County.

**G.4 Policies Primary and Non-Contributory**

All policies required herein are to be primary and non-contributory with any insurance or self-insurance programs carried or administered by the County.

**G.5 Severability of Interests**

Consultant agrees to ensure that coverage provided to meet these requirements is applicable separately to each insured and there will be no cross liability exclusions that preclude coverage for suits between Consultant and County or between County and any other insured or additional insured under the policy.

**G.6 Proof of Coverage**

Consultant shall furnish Certificates of Insurance to the County Department administering the Contract evidencing the insurance coverage at the time the Contract is executed, additional endorsements, as required shall be provided prior to the commencement of performance of services hereunder, which certificates shall provide that such insurance shall not be terminated or expire without thirty (30) days written notice to the Department, and Consultant shall maintain such insurance from the time Consultant commences performance of services hereunder until the completion of such services. Within fifteen (15) days of the commencement of this contract, Consultant shall furnish a copy of the Declaration page for all applicable policies and will provide complete certified copies of the policies and endorsements immediately upon request.

**G.7 Acceptability of Insurance Carrier**

Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and with a minimum "Best" Insurance Guide rating of "A- VII".

**G.8 Deductibles and Self-Insured Retention**

Any and all deductibles or self-insured retentions in excess of \$10,000 shall be declared to and approved by Risk Management.

**G.9 Failure to Procure Coverage**

In the event that any policy of insurance required under this Contract does not comply with the requirements, is not procured, or is canceled and not replaced, County has the right but not the obligation or duty to cancel this Contract or obtain insurance if it deems necessary and any premiums paid by County will be promptly reimbursed by Consultant or County payments to the Consultant will be reduced to pay for County purchased insurance.

**G.10 Insurance Review**

Insurance requirements are subject to periodic review by County. The Director of Risk Management or designee is authorized, but not required, to reduce, waive or suspend any



insurance requirements whenever Risk Management determines that any of the required insurance is not available, is unreasonably priced, or is not needed to protect the interests of County. In addition, if the Department of Risk Management determines that heretofore unreasonably priced or unavailable types of insurance coverage or coverage limits become reasonably priced or available, the Director of Risk Management or designee is authorized, but not required, to change the above insurance requirements to require additional types of insurance coverage or higher coverage limits, provided that any such change is reasonable in light of past claims against County, inflation, or any other item reasonably related to the County's risk.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this contract. Consultant agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of County to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of County.

- G.11** Consultant agrees to provide insurance set forth in accordance with the requirements herein. If Consultant uses existing coverage to comply with these requirements and that coverage does not meet the specified requirements, Consultant agrees to amend, supplement or endorse the existing coverage to do so.

Without in anyway affecting the indemnity herein provided and in addition thereto, Consultant shall secure and maintain throughout the contract term the following types of insurance with limits as shown:

- G.11.1** Workers' Compensation/Employer's Liability – A program of Workers' Compensation insurance or a state-approved, self-insurance program in an amount and form to meet all applicable requirements of the Labor Code of the State of California, including Employer's Liability with \$250,000 limits covering all persons including volunteers providing services on behalf of the Consultant and all risks to such persons under this contract.

If Consultant has no employees, it may certify or warrant to the County that it does not currently have any employees or individuals who are defined as "employees" under the Labor Code and the requirement for Workers' Compensation coverage will be waived by the County's Director of Risk Management.

With respect to Consultants that are non-profit corporations organized under California or Federal law, volunteers for such entities are required to be covered by Workers' Compensation insurance.

- G.11.2** Commercial/General Liability Insurance – Consultant shall carry General Liability Insurance covering all operations performed by or on behalf of Consultant providing coverage for bodily injury and property damage with a combined single limit of not less than one million dollars (\$1,000,000), per occurrence. The policy coverage shall include:
- a. Premises operations and mobile equipment.
  - b. Products and completed operations.
  - c. Broad form property damage (including completed operations).
  - d. Explosion, collapse and underground hazards.
  - e. Personal injury.
  - f. Contractual liability.
  - g. \$2,000,000 general aggregate limit.

**G.11.3** Automobile Liability Insurance – Primary insurance coverage shall be written on ISO Business Auto coverage form for all owned, hired and non-owned automobiles or symbol 1 (any auto). The policy shall have a combined single limit of not less than one million dollars (\$1,000,000) for bodily injury and property damage, per occurrence.

If Consultant is transporting one or more non-employee passengers in performance of contract services, the automobile liability policy shall have a combined single limit of two million dollars (\$2,000,000) for bodily injury and property damage per occurrence.

If Consultant owns no autos, a non-owned auto endorsement to the General Liability policy described above is acceptable.

**G.11.4** Umbrella Liability Insurance – An umbrella (over primary) or excess policy may be used to comply with limits or other primary coverage requirements. When used, the umbrella policy shall apply to bodily injury/property damage, personal injury/advertising injury and shall include a “dropdown” provision providing primary coverage for any liability not covered by the primary policy. The coverage shall also apply to automobile liability.

**G.11.5** Professional Liability – Professional Liability Insurance with limits of not less than one million (\$1,000,000) per claim and two million (\$2,000,000) aggregate limits

or

Errors and Omissions Liability Insurance – Errors and Omissions Liability Insurance with limits of not less than one million (\$1,000,000) and two million (\$2,000,000) aggregate limits

or

Directors and Officers Insurance coverage with limits of not less than one million (\$1,000,000) shall be required for Contracts with charter labor committees or other not-for-profit organizations advising or acting on behalf of County.

If insurance coverage is provided on a “claims made” policy, the “retroactive date” shall be shown and must be before the date of the state of the contract work. The claims made insurance shall be maintained or “tail” coverage provided for a minimum of five (5) years after contract completion.

## **H. SUCCESSORS AND ASSIGNS**

**H.1** This Contract shall be binding upon District and Consultant and their respective successors and assigns.

**H.2** Neither the performance of this Contract, nor any part thereof, nor any monies due or to become due thereunder may be assigned by Consultant without the prior written consent and approval of District.

**H.3** **Death or Incapacity:** If the Consultant transacts business as an individual, his/her death or incapacity shall automatically terminate this Contract as of the date of such event, and neither he/she nor his/her estate shall have any further right to perform hereunder, and County shall pay him/her or his/her estate the compensation payable under Article F, Fiscal Provisions, for any services rendered prior to such termination not heretofore paid, reduced by the amount of additional costs which will be incurred by County by reason of such termination. If there be more than one Consultant and any one of them die or become incapacitated and the others continue to render the services covered herein, County will make payment to those continuing as though there had been no such death or incapacity and County will not be obliged to take any account of the person who died or became incapacitated or to make any payments to such person or his estate. The provision shall apply in the event of progressive or simultaneous occasions of death or incapacity among any group of persons named as Consultant herein, and if death

or incapacity befalls the last one of such group before this Contract is fully performed, then the rights shall be as if there had been only one Consultant.

**I. RIGHT TO MONITOR AND AUDIT**

**I.1** The District, State and Federal government shall have absolute right to review and audit all records, books, papers, documents, corporate minutes, and other pertinent items as requested, and shall have absolute right to monitor the performance of Consultant in the delivery of services provided under this Contract. Consultant shall give full cooperation, in any auditing or monitoring conducted. Consultant shall cooperate with the District in the implementation, monitoring, and evaluation of this Contract and comply with any and all reporting requirements established by the District.

**I.2** All records pertaining to services delivered and all fiscal, statistical and management books and records shall be available for examination and audit by District representatives for a period of three years after final payment under the Contract or until all pending District, State and Federal audits are completed, whichever is later.

**J. CORRECTION OF PERFORMANCE DEFICIENCIES**

**J.1** Failure by Consultant to comply with any of the provisions, covenants, requirements or conditions of this Contract shall be a material breach of this Contract.

**J.2** In the event of a non-cured breach, District may, at its sole discretion and in addition to any other remedies available at law, in equity, or otherwise specified in this Contract:

- a. Afford Consultant thereafter a time period within which to cure the breach, which period shall be established at the sole discretion of District; and/or
- b. Discontinue reimbursement to Consultant for and during the period in which Consultant is in breach, which reimbursement shall not be entitled to later recovery; and/or
- c. Withhold funds pending duration of the breach; and/or
- d. Offset against any monies billed by Consultant but yet unpaid by District those monies disallowed pursuant to Item "b" of this paragraph; and/or
- e. Terminate this Contract immediately and be relieved of the payment of any consideration to Consultant. In the event of such termination, District may proceed with the work in any manner deemed proper by District. The cost to District shall be deducted from any sum due to Consultant under this Contract and the balance, if any, shall be paid by Consultant upon demand.

**J.3** Unless a remedy is specifically designated as exclusive, no remedy conferred by any of the specific provision of the Contract is intended to be exclusive of any other remedy, and each and every remedy shall be cumulative and shall be in addition to every other remedy given hereunder, now or hereafter existing at law or in equity or by statute or otherwise. The election of any one or more remedies by either Party shall not constitute a waiver of the right to pursue other available remedies.

**K. NOTICES**

All written notices provided for in this Contract or which either party desires to give to the other shall be deemed fully given, when made in writing and either served personally, or by facsimile, or deposited in the United States mail, postage prepaid, and addressed to the other party as follows:

San Bernardino County Flood Control District  
Environmental Management Division  
Attn: Christopher Bland  
825 East Third Street, Room 123  
San Bernardino, CA 92415-0835

Babcock Laboratories, Inc.  
P.O. Box 432  
Riverside, CA 92502

Notice shall be deemed communicated two (2) District working days from the time of mailing if mailed as provided in this paragraph.

**L. ENTIRE AGREEMENT**

This Contract, including all Attachment, Exhibits and other attachments, which are attached hereto and incorporated by reference, and other documents incorporated herein, represents the final, complete and exclusive agreement between the parties hereto. Any prior agreement, promises, negotiations or representations relating to the subject matter of this Contract not expressly set forth herein are of no force or effect. This Contract is executed without reliance upon any promise, warranty or representation by any party or any representative of any party other than those expressly contained herein. Each party has carefully read this Contract and signs the same of its own free will.

**M. ELECTRONIC SIGNATURES**

This Contract may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, and such counterparts shall together constitute one and the same Contract. The parties shall be entitled to sign and transmit an electronic signature of this Contract (whether by facsimile, PDF or other mail transmission), which signature shall be binding on the party whose name is contained therein. Each party providing an electronic signature agrees to promptly execute and deliver to the other party an original signed Contract upon request.

IN WITNESS WHEREOF, the San Bernardino County Flood Control District and Consultant have each caused this Contract to be subscribed by its respective duly authorized officers, on its behalf.

SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT

► *Dawn Rowe*  
Dawn Rowe, Chair, Board of Supervisors

Dated: DEC 03 2024

SIGNED AND CERTIFIED THAT A COPY OF THIS DOCUMENT HAS BEEN DELIVERED TO THE CHAIRMAN OF THE BOARD

B  
y *Jenna Monell*  
Jenna Monell  
Clerk of the Board of Supervisors  
of the San Bernardino County  
Deputy



Babcock Laboratories, Inc.  
*(Print or type name of corporation, company, Consultant, etc.)*  
B  
y ► *Urvashi Patel*  
*(Authorized signature – sign in blue ink)*

Name Urvashi Patel  
*(Print or type name of person signing contract)*

Title Vice President of Operations  
*(Print or Type)*

Dated: 11/18/24  
P.O. Box 432  
Address Riverside, CA 92502

**FOR COUNTY USE ONLY**

Approved as to Legal Form  
► SEE ATTACHED  
Sophie A. Curtis, Deputy County Counsel  
Date \_\_\_\_\_

Reviewed for Contract Compliance  
► *Andy Silao*  
Andy Silao, PE, Engineering Manager  
Date 11/19/2024

Reviewed/Approved by Department  
► *Noel Castillo*  
Noel Castillo, PE, Chief Flood Control Engineer  
Date 11/22/24

**IN WITNESS WHEREOF**, the San Bernardino County Flood Control District and Consultant have each caused this Contract to be subscribed by its respective duly authorized officers, on its behalf.

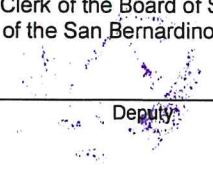
SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT

►  
 \_\_\_\_\_  
 Dawn Rowe, Chair, Board of Supervisors

Dated: \_\_\_\_\_  
 SIGNED AND CERTIFIED THAT A COPY OF THIS DOCUMENT HAS BEEN DELIVERED TO THE CHAIRMAN OF THE BOARD

Lynna Monell  
 Clerk of the Board of Supervisors  
 of the San Bernardino County

B  
 y \_\_\_\_\_  
 Deputy



Babcock Laboratories, Inc.  
 (Print or type name of corporation, company, Consultant, etc.)

B  
 y ► *Urvashi Patel*  
 (Authorized signature – sign in blue ink)

Name Urvashi Patel  
 (Print or type name of person signing contract)

Title Vice President of Operations  
 (Print or Type)

Dated: 11/18/24  
 Address P.O. Box 432  
 Riverside, CA 92502

**FOR COUNTY USE ONLY**

Approved as to Legal Form  
 ► *Sophie A. Curtis*  
 Sophie A. Curtis, Deputy County Counsel  
 Date November 19, 2024

Reviewed for Contract Compliance  
 ► **SEE ATTACHED**  
 Andy Silao, PE, Engineering Manager  
 Date \_\_\_\_\_

Reviewed/Approved by Department  
 ► **SEE ATTACHED**  
 Noel Castillo, PE, Chief Flood Control Engineer  
 Date \_\_\_\_\_

## ATTACHMENT A

### PREVAILING WAGE REQUIREMENTS

**A. All or a portion of the Scope of Work in the Contract requires the payment of prevailing wages and compliance with the following requirements:**

**1. Determination of Prevailing Rates:**

Pursuant to Labor Code sections 1770, et seq., the District has obtained from the Director of the Department of Industrial Relations (DIR) pursuant to the California Labor Code, the general prevailing rates of per diem wages and the prevailing rates for holiday and overtime work in the locality in which the Scope of Work is to be performed. Copies of said rates are on file with the District, will be made available for inspection during regular business hours, may be included elsewhere in the specifications for the Scope of Work, and are also available online at [www.dir.ca.gov](http://www.dir.ca.gov). The wage rate for any classification not listed, but which may be required to execute the Scope of Work, shall be commensurate and in accord with specified rates for similar or comparable classifications for those performing similar or comparable duties. In accordance with Labor Code section 1773.2, the Consultant shall post, at appropriate and conspicuous locations on the job site, a schedule showing all applicable prevailing wage rates and shall comply with the requirements of Labor Code sections 1773, et seq.

**2. Payment of Prevailing Rates**

Each worker of the Consultant, or any subconsultant, engaged in the Scope of Work, shall be paid not less than the general prevailing wage rate, regardless of any contractual relationship which may be alleged to exist between the Consultant or any subconsultant, and such worker.

**3. Prevailing Rate Penalty**

The Consultant shall, as a penalty, forfeit two hundred dollars (\$200.00) to the District for each calendar day or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of the DIR for such work or craft in which such worker is employed by the Consultant or by any subconsultant in connection with the Scope of Work. Pursuant to California Labor Code section 1775, the difference between such prevailing wage rates and the amount paid to each worker for each calendar day, or portion thereof, for which each worker was paid less than the prevailing wage rate, shall be paid to each worker by the Consultant.

**4. Ineligible Consultants:**

Pursuant to the provisions of Labor Code section 1777.1, the Labor Commissioner publishes and distributes a list of Consultants ineligible to perform work as a Consultant or subconsultant on a public works project. This list of debarred Consultants is available from the DIR website at <http://www.dir.ca.gov/Public-Works/PublicWorks.html>. Any contract entered into between a Consultant and a debarred subconsultant is void as a matter of law. A debarred subconsultant may not receive any public money for performing work as a subconsultant on a public works contract, and any public money that may have been paid to a debarred subconsultant by a Consultant on the project shall be returned to the District. The Consultant shall be responsible for the payment of wages to workers as a debarred subconsultant who has been allowed to work on the Scope of Work.

**5. Payroll Records:**

a. Pursuant to California Labor Code section 1776, the Consultant and each subconsultant, shall keep accurate certified payroll records, 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 by them in connection with the Scope of Work. The payroll records enumerated herein shall be verified by a written declaration made under penalty of perjury that the information contained in the payroll record is true and correct and that the Consultant or subconsultant has complied with the requirements of the California Labor Code sections 1771, 1811, and 1815 for any Scope of Work performed by his or her employees. The payroll records shall be available for inspection at all reasonable hours at the principal office of the Consultant on the following basis:

- i. A certified copy of an employee's payroll record shall be made available for inspection or furnished to such employee or his/her authorized representative on request;
- ii. A certified copy of all payroll records shall be made available for inspection or furnished upon request to the District, the Division of Labor Standards Enforcement of the DIR;
- iii. A certified copy of payroll records shall be made available upon request to the public for inspection or copies thereof made; provided, however, that a request by the public shall be made through either the District or the Division of Labor Standards Enforcement. If the requested payroll records have not been previously provided to the District or the Division of Labor Standards Enforcement,

the requesting party shall, prior to being provided the records, reimburse the cost of preparation by the Consultant, subconsultant and the entity through which the request was made; the public shall not be given access to such records at the principal office of the Consultant;

- iv. The Consultant shall file a certified copy of the payroll records with the entity that requested such records within ten (10) days after receipt of a written request; and
  - v. Copies provided to the public, by the District or the Division of Labor Standards Enforcement shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address and social security number. The name and address of the Consultant or any subconsultant, performing a part of the Scope of Work shall not be marked or obliterated. The Consultant shall inform the District of the location of payroll records, including the street address, city and county and shall, within five (5) working days, provide a notice of a change of location and address.
- b. The Consultant shall have ten (10) days from receipt of the written notice specifying in what respects the Consultant must comply with the above requirements. In the event Consultant does not comply with the requirements of this section within the ten (10) day period, the Consultant shall, as a penalty to the District, forfeit one-hundred dollars (\$100.00) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Labor Standards Enforcement, such penalty shall be withheld from any portion of the payments then due or to become due to the Consultant.

**6. Limits on Hours of Work:**

Pursuant to California Labor Code section 1810, eight (8) hours of labor shall constitute a legal day's work. Pursuant to California Labor Code section 1811, the time of service of any worker employed at any time by the Consultant or by a subconsultant, upon the Scope of Work or upon any part of the Scope of Work, is limited and restricted to eight (8) hours during any one calendar day and forty (40) hours during any one calendar week, except as provided for under Labor Code section 1815. Notwithstanding the foregoing provisions, work performed by employees of Consultant or any subconsultant, in excess of eight (8) hours per day and forty (40) hours during any one week, shall be permitted upon compensation for all hours worked in excess of eight (8) hours per day at not less than one and one-half (1½) times the basic rate of pay.

**7. Penalty for Excess Hours:**

The Consultant shall pay to the District a penalty of twenty-five dollars (\$25.00) for each worker employed on the Scope of Work by the Consultant or any subconsultant, for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any calendar day and forty (40) hours in any one calendar week, in violation of the provisions of the California Labor Code, unless compensation to the worker so employed by the Consultant is not less than one and one-half (1½) times the basic rate of pay for all hours worked in excess of eight (8) hours per day.

**8. Senate Bill 854 (Chapter 28, Statutes of 2014) and Senate Bill 96 (Chapter 28, Statutes of 2017) Requirements:**

- a. Consultant shall comply with Senate Bill 854 and Senate Bill 96. The requirements include, but are not limited to, the following:
  - i. No Consultant or subconsultant may be listed on a bid proposal for a public works project unless registered with the DIR pursuant to Labor Code section 1725.5, with limited exceptions from this requirements for bid purposes only as allowed under Labor Code section 1771.1(a).
  - ii. No Consultant or subconsultant may be awarded a contract for public work or perform work on a public works project unless registered with the DIR pursuant to Labor Code section 1725.5.
  - iii. This project is subject to compliance monitoring and enforcement by the DIR.
  - iv. As required by the DIR, Consultant is required to post job site notices, as prescribed by regulation, regarding compliance monitoring and enforcement by the DIR.
  - v. Consultants and all subconsultants must submit certified payroll records online to the Labor Commissioner for all public works projects.
    - 1) The certified payroll must be submitted at least monthly to the Labor Commissioner.
    - 2) The District reserves the right to require Consultant and all subconsultants to submit certified payroll records more frequently than monthly to the Labor Commissioner.
    - 3) The certified payroll records must be in a format prescribed by the Labor Commissioner.
  - vi. Registration with the DIR and the submission of certified payroll records to the Labor Commissioner are not required if the public works project is \$25,000 or less when the project is for construction, alteration, demolition, installation or repair work, or if the public works project is \$15,000 or less when the project is for maintenance work.

- b. Labor Code section 1725.5 states the following:



"A Consultant shall be registered pursuant to this section to be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any public work contract that is subject to the requirements of this chapter. For the purposes of this section, "Consultant" includes a subconsultant as defined by Section 1722.1.

(a) To qualify for registration under this section, a Consultant shall do all of the following:

(1) (A) Register with the Department of Industrial Relations in the manner prescribed by the department and pay an initial nonrefundable application fee of four hundred dollars (\$400) to qualify for registration under this section and an annual renewal fee on or before July 1 of each year thereafter. The annual renewal fee shall be in a uniform amount set by the Director of Industrial Relations, and the initial registration and renewal fees may be adjusted no more than annually by the director to support the costs specified in Section 1771.3.

(B) Beginning June 1, 2019, a Consultant may register or renew according to this subdivision in annual increments up to three years from the date of registration. Consultants who wish to do so will be required to prepay the applicable nonrefundable application or renewal fees to qualify for the number of years for which they wish to preregister.

(2) Provide evidence, disclosures, or releases as are necessary to establish all of the following:

(A) Workers' compensation coverage that meets the requirements of Division 4 (commencing with Section 3200) and includes sufficient coverage for any worker whom the Consultant employs to perform work that is subject to prevailing wage requirements other than a Consultant who is separately registered under this section. Coverage may be evidenced by a current and valid certificate of workers' compensation insurance or certification of self-insurance required under Section 7125 of the Business and Professions Code.

(B) If applicable, the Consultant is licensed in accordance with Chapter 9 (commencing with Section 7000) of the Business and Professions Code.

(C) The Consultant does not have any delinquent liability to an employee or the state for any assessment of back wages or related damages, interest, fines, or penalties pursuant to any final judgment, order, or determination by a court or any federal, state, or local administrative agency, including a confirmed arbitration award. However, for purposes of this paragraph, the Consultant shall not be disqualified for any judgment, order, or determination that is under appeal, provided that the Consultant has secured the payment of any amount eventually found due through a bond or other appropriate means.

(D) The Consultant is not currently debarred under Section 1777.1 or under any other federal or state law providing for the debarment of Consultants from public works.

(E) The Consultant has not bid on a public works contract, been listed in a bid proposal, or engaged in the performance of a contract for public works without being lawfully registered in accordance with this section, within the preceding 12 months or since the effective date of the requirements set forth in subdivision (e),

whichever is earlier. If a Consultant is found to be in violation of the requirements of this paragraph, the period of disqualification shall be waived if both of the following are true:

(i) The Consultant has not previously been found to be in violation of the requirements of this paragraph within the preceding 12 months.

(ii) The Consultant pays an additional nonrefundable penalty registration fee of two thousand dollars (\$2,000).

(b) Fees received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(c) A Consultant who fails to pay the renewal fee required under paragraph (1) of subdivision (a) on or before the expiration of any prior period of registration shall be prohibited from bidding on or engaging in the performance of any contract for public work until once again registered pursuant to this section. If the failure to pay the renewal fee was inadvertent, the Consultant may renew its registration retroactively by paying an additional nonrefundable penalty renewal fee equal to the amount of the renewal fee within 90 days of the due date of the renewal fee.

(d) If, after a body awarding a contract accepts the Consultant's bid or awards the contract, the work covered by the bid or contract is determined to be a public work to which Section 1771 applies, either as the result of a determination by the director pursuant to Section 1773.5 or a court decision, the requirements of this section shall not apply, subject to the following requirements:

(1) The body that awarded the contract failed, in the bid specification or in the contract documents, to identify as a public work that portion of the work that the determination or decision subsequently classifies as a public work.

(2) Within 20 days following service of notice on the awarding body of a determination by the Director of Industrial Relations pursuant to Section 1773.5 or a decision by a court that the contract was for public work as defined in this chapter, the Consultant and any subconsultants are registered under this section or are replaced by a Consultant or subconsultants who are registered under this section.

(3) The requirements of this section shall apply prospectively only to any subsequent bid, bid proposal, contract, or work performed after the awarding body is served with notice of the determination or decision referred to in paragraph (2).

(e) The requirements of this section shall apply to any bid proposal submitted on or after March 1, 2015, to any contract for public work, as defined in this chapter, executed on or after April 1, 2015, and to any work performed under a contract for public work on or after January 1, 2018, regardless of when the contract for public work was executed.

(f) This section does not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work."

c. Labor Code section 1771.1 states the following:

"(a) A Consultant or subconsultant shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the Public Contract Code, or engage in the performance of any contract for public work, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered Consultant to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the Consultant is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

(b) Notice of the requirement described in subdivision (a) shall be included in all bid invitations and public works contracts, and a bid shall not be accepted nor any contract or subcontract entered into without proof of the Consultant or subconsultant's current registration to perform public work pursuant to Section 1725.5.

(c) An inadvertent error in listing a subconsultant who is not registered pursuant to Section 1725.5 in a bid proposal shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive, provided that any of the following apply:

(1) The subconsultant is registered prior to the bid opening.

(2) Within 24 hours after the bid opening, the subconsultant is registered and has paid the penalty registration fee specified in subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(3) The subconsultant is replaced by another registered subconsultant pursuant to Section 4107 of the Public Contract Code.

(d) Failure by a subconsultant to be registered to perform public work as required by subdivision (a) shall be grounds under Section 4107 of the Public Contract Code for the Consultant, with the consent of the awarding authority, to substitute a subconsultant who is registered to perform public work pursuant to Section 1725.5 in place of the unregistered subconsultant.

(e) The department shall maintain on its Internet Web site a list of Consultants who are currently registered to perform public work pursuant to Section 1725.5.

(f) A contract entered into with any Consultant or subconsultant in violation of subdivision (a) shall be subject to cancellation, provided that a contract for public work shall not be unlawful, void, or voidable solely due to the failure of the awarding body, Consultant, or any subconsultant to comply with the requirements of Section 1725.5 or this section.

(g) If the Labor Commissioner or his or her designee determines that a Consultant or subconsultant engaged in the performance of any public work contract without having been registered in accordance with this section, the Consultant or subconsultant shall forfeit, as a civil penalty to the state, one hundred dollars (\$100) for each day of work performed in violation of the registration requirement, not to exceed an aggregate penalty of eight thousand dollars (\$8,000) in addition to any penalty registration fee assessed pursuant to clause (ii) of subparagraph (E) of paragraph (2) of subdivision (a) of Section 1725.5.

(h)(1) In addition to, or in lieu of, any other penalty or sanction authorized pursuant to this chapter, a higher tiered public works Consultant or subconsultant who is found to have entered into a subcontract with an unregistered lower tier subconsultant to perform any public work in violation of the requirements of Section 1725.5 or this section shall be subject to forfeiture, as a civil penalty to the state, of one hundred dollars (\$100) for each day the unregistered lower tier subconsultant performs work in violation of the registration requirement, not to exceed an aggregate penalty of ten thousand dollars (\$10,000).

(2) The Labor Commissioner shall use the same standards specified in subparagraph (A) of paragraph (2) of subdivision (a) of Section 1775 when determining the severity of the violation and what penalty to assess,

and may waive the penalty for a first time violation that was unintentional and did not hinder the Labor Commissioner's ability to monitor and enforce compliance with the requirements of this chapter.

(3) A higher tiered public works Consultant or subconsultant shall not be liable for penalties assessed pursuant to paragraph (1) if the lower tier subconsultant's performance is in violation of the requirements of Section 1725.5 due to the revocation of a previously approved registration.

(4) A subconsultant shall not be liable for any penalties assessed against a higher tiered public works Consultant or subconsultant pursuant to paragraph (1). A higher tiered public works Consultant or subconsultant may not require a lower tiered subconsultant to indemnify or otherwise be liable for any penalties pursuant to paragraph (1).

(i) The Labor Commissioner or his or her designee shall issue a civil wage and penalty assessment, in accordance with the provisions of Section 1741, upon determination of penalties pursuant to subdivision (g) and subparagraph (B) of paragraph (1) of subdivision (h). Review of a civil wage and penalty assessment issued under this subdivision may be requested in accordance with the provisions of Section 1742. The regulations of the Director of Industrial Relations, which govern proceedings for review of civil wage and penalty assessments and the withholding of contract payments under Article 1 (commencing with Section 1720) and Article 2 (commencing with Section 1770), shall apply.

(j)(1) Where a Consultant or subconsultant engages in the performance of any public work contract without having been registered in violation of the requirements of Section 1725.5 or this section, the Labor Commissioner shall issue and serve a stop order prohibiting the use of the unregistered Consultant or the unregistered subconsultant on all public works until the unregistered Consultant or unregistered subconsultant is registered. The stop order shall not apply to work by registered Consultants or subconsultants on the public work.

(2) A stop order may be personally served upon the Consultant or subconsultant by either of the following methods:

(A) Manual delivery of the order to the Consultant or subconsultant personally.

(B) Leaving signed copies of the order with the person who is apparently in charge at the site of the public work and by thereafter mailing copies of the order by first class mail, postage prepaid to the Consultant or subconsultant at one of the following:

(i) The address of the Consultant or subconsultant on file with either the Secretary of State or the Consultants' State License Board.

(ii) If the Consultant or subconsultant has no address on file with the Secretary of State or the Consultants' State License Board, the address of the site of the public work.

(3) The stop order shall be effective immediately upon service and shall be subject to appeal by the party contracting with the unregistered Consultant or subconsultant, by the unregistered Consultant or subconsultant, or both. The appeal, hearing, and any further review of the hearing decision shall be governed by the procedures, time limits, and other requirements specified in subdivision (a) of Section 238.1.

(4) Any employee of an unregistered Consultant or subconsultant who is affected by a work stoppage ordered by the commissioner pursuant to this subdivision shall be paid at his or her regular hourly prevailing wage rate by that employer for any hours the employee would have worked but for the work stoppage, not to exceed 10 days.

(k) Failure of a Consultant or subconsultant, owner, director, officer, or managing agent of the Consultant or subconsultant to observe a stop order issued and served upon him or her pursuant to subdivision (j) is guilty of a misdemeanor punishable by imprisonment in county jail not exceeding 60 days or by a fine not exceeding ten thousand dollars (\$10,000), or both.

(l) This section shall apply to any bid proposal submitted on or after March 1, 2015, and any contract for public work entered into on or after April 1, 2015. This section shall also apply to the performance of any public work, as defined in this chapter, on or after January 1, 2018, regardless of when the contract for public work was entered.

(m) Penalties received pursuant to this section shall be deposited in the State Public Works Enforcement Fund established by Section 1771.3 and shall be used only for the purposes specified in that section.

(n) This section shall not apply to work performed on a public works project of twenty-five thousand dollars (\$25,000) or less when the project is for construction, alteration, demolition, installation, or repair work or to work performed on a public works project of fifteen thousand dollars (\$15,000) or less when the project is for maintenance work."

d. Labor Code section 1771.4 states the following:

"a) All of the following are applicable to all public works projects that are otherwise subject to the requirements of this chapter:

- (1) The call for bids and contract documents shall specify that the project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.
- (2) The awarding body shall post or require the prime Consultant to post job site notices, as prescribed by regulation.
- (3) Each Consultant and subconsultant shall furnish the records specified in Section 1776 directly to the Labor Commissioner, in the following manner:
  - (A) At least monthly or more frequently if specified in the contract with the awarding body.
  - (B) In a format prescribed by the Labor Commissioner.
- (4) If the Consultant or subconsultant is not registered pursuant to Section 1725.5 and is performing work on a project for which registration is not required because of subdivision (f) of Section 1725.5, the unregistered Consultant or subconsultant is not required to furnish the records specified in Section 1776 directly to the Labor Commissioner but shall retain the records specified in Section 1776 for at least three years after completion of the work.
- (5) The department shall undertake those activities it deems necessary to monitor and enforce compliance with prevailing wage requirements.
  - (b) The Labor Commissioner may exempt a public works project from compliance with all or part of the requirements of subdivision (a) if either of the following occurs:
    - (1) The awarding body has enforced an approved labor compliance program, as defined in Section 1771.5, on all public works projects under its authority, except those deemed exempt pursuant to subdivision (a) of Section 1771.5, continuously since December 31, 2011.
    - (2) The awarding body has entered into a collective bargaining agreement that binds all Consultants performing work on the project and that includes a mechanism for resolving disputes about the payment of wages.
  - (c) The requirements of paragraph (1) of subdivision (a) shall only apply to contracts for public works projects awarded on or after January 1, 2015.
  - (d) The requirements of paragraph (3) of subdivision (a) shall apply to all contracts for public work, whether new or ongoing, on or after January 1, 2016.”

## **B. STATE PUBLIC WORKS APPRENTICESHIP REQUIREMENTS**

### **1. State Public Works Apprenticeship Requirements:**

- a. The Consultant is responsible for compliance with Labor Code section 1777.5 and the California Code of Regulations, title 8, sections 230 – 230.2 for all apprenticeable occupations (denoted with “#” symbol next to craft name in DIR Prevailing Wage Determination), whether employed by the Consultant, subconsultant, vendor or consultant. Included in these requirements is (1) the Consultant’s requirement to provide notification (i.e. DAS-140) to the appropriate apprenticeship committees; (2) pay training fund contributions for each apprenticeable hour employed on the Contract; and (3) utilize apprentices in a minimum ratio of not less than one apprentice hour for each five journeyman hours by completion of Contract work (unless an exception is granted in accordance with Labor Code section 1777.5) or request for the dispatch of apprentices.
- b. Any apprentices employed to perform any of the Scope of Work shall be paid the standard wage to apprentices under the regulations of the craft or trade for which such apprentice is employed, and such individual shall be employed only for the work of the craft or trade to which such individual is registered. Only apprentices, as defined in California Labor Code section 3077, who are in training under apprenticeship standards and written apprenticeship agreements under California Labor Code sections 3070 et seq. are eligible to be employed for the Scope of Work. The employment and training of each apprentice shall be in accordance with the provisions of the apprenticeship standards and apprentice agreements under which such apprentice is training.

### **2. Compliance with California Labor Code section 1777.5 requires all public works Consultants to:**

- a. Submit Contract Award Information (DAS-140):
  - i. Although there are a few exemptions (identified below), all Consultants, regardless of union affiliation, must submit contract award information when performing on a California public works project.
  - ii. The DAS-140 is a notification “announcement” of the Consultant’s participation on a public works project—*it is not a request for the dispatch of an apprentice.*

- iii. Consultants shall submit the contract award information (you may use form DAS 140) within 10 days of the execution of the prime contract or subcontract, but in no event later than the first day in which the Consultant has workers employed on the public work.
  - iv. Consultants who are already approved to train apprentices (i.e. check "Box 1" on the DAS-140) shall only be required to submit the form to their approved program.
  - v. Consultants who are NOT approved to train apprentices (i.e. those that check either "Box 2" or "Box 3" on the DAS-140) shall submit the DAS-140 TO EACH of the apprenticeship program sponsors in the area of your public works project. For a listing of apprenticeship programs see <http://www.dir.ca.gov/Databases/das/pwaddrstart.asp>.
- b. Employ Registered Apprentices
- i. Labor Code section 1777.5 requires that a Consultant performing work in an "apprenticeable" craft must employ one (1) hour of apprentice work for every five (5) hours performed by a journeyman. This ratio shall be met prior to the Consultant's completion of work on the project. "Apprenticeable" crafts are denoted with a pound symbol "#" in front of the craft name on the prevailing wage determination.
  - ii. All Consultants who do not fall within an exemption category (see below) must request for dispatch of an apprentice from an apprenticeship program (for each apprenticeable craft or trade) by giving the program actual notice of at least 72 hours (business days only) before the date on which apprentices are required.
  - iii. Consultants may use the "DAS-142" form for making a request for the dispatch of an apprentice.
  - iv. Consultants who are participating in an approved apprenticeship training program and who did not receive sufficient number of apprentices from their initial request must request dispatch of apprentices from ALL OTHER apprenticeship committees in the project area in order to fulfill this requirement.
  - v. Consultant should maintain and submit proof (when requested) of its DAS-142 submittal to the apprenticeship committees (e.g. fax transmittal confirmation). A Consultant has met its requirement to employ apprentices only after it has successfully made a dispatch request to all apprenticeship programs in the project area.
  - vi. Only "registered" apprentices may be paid the prevailing apprentice rates and must, at all times work under the supervision of a Journeyman (Cal. Code Regs., tit 8, § 230.1).
- c. Make Training Fund Contributions
- i. Consultants performing in apprenticeable crafts on public works projects, must make training fund contributions in the amount established in the prevailing wage rate publication for journeymen and apprentices.
  - ii. Consultants may use the "CAC-2" form for submittal of their training fund contributions.
  - iii. Consultants who do not submit their training fund contributions to an approved apprenticeship training program must submit their contributions to the California Apprenticeship Council (CAC), PO Box 420603, San Francisco, CA 94142-0603.
  - iv. Training fund contributions to the CAC are due and payable on the 15th day of the month for work performed during the preceding month.
  - v. The "training" contribution amount identified on the prevailing wage determination shall not be paid to the worker, unless the worker falls within one of the exemption categories listed below.

### 3. Exemptions to Apprenticeship Requirements:

- a. The following are exempt from having to comply with California apprenticeship requirements. These types of Consultants do not need to submit a DAS-140, DAS-142, make training fund contributions, or utilize apprentices:
  - i. When the Consultant holds a sole proprietor license ("Owner-Operator") and no workers were employed by the Consultant. In other words, the Consultant performed the entire work from start to finish and worked alone.
  - ii. Consultants performing in non-apprenticeable crafts. "Apprenticeable" crafts are denoted with a pound symbol "#" in front of the craft name on the prevailing wage determination.
  - iii. When the Consultant has a direct contract with the Public Agency that is under \$30,000.
  - iv. When the project is 100% federally-funded and the funding of the project does not contain any city, county, and/or state monies (unless the project is administered by a state agency in which case the apprenticeship requirements apply).
  - v. When the project is a private project not covered by the definition of public works as found in Labor Code section 1720.

### 4. Exemption from Apprenticeship Ratios:

- a. The Joint Apprenticeship Committee shall have the discretion to grant a certificate, which shall be subject to the approval of the Administrator of Apprenticeship, exempting the Consultant from the 1-to-5 ratio set forth in this Section when it finds that any one of the following conditions are met:
    - i. Unemployment for the previous three-month period in such area exceeds an average of fifteen percent (15%); or
    - ii. The number of apprentices in training in such area exceeds a ratio of 1-to-5 in relation to journeymen; or
    - iii. The Apprenticeable Craft or Trade is replacing at least one-thirtieth (1/30) of its journeymen annually through apprenticeship training, either on a statewide basis or on a local basis; or
    - iv. If assignment of an apprentice to any work performed under the Contract Documents would create a condition which would jeopardize such apprentice's life or the life, safety or property of fellow employees or the public at large, or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyman.
  - b. When such exemptions from the 1-to-5 ratio between apprentices and journeymen are granted to an organization which represents Consultants in a specific trade on a local or statewide basis, the member Consultants will not be required to submit individual applications for approval to local Joint Apprenticeship Committees, provided they are already covered by the local apprenticeship standards.
- 5. Consultant's Compliance:**
- a. The responsibility of compliance with this Section for all Apprenticeable Trades or Crafts is solely and exclusively that of the Consultant. All decisions of the Joint Apprenticeship Committee(s) under this Section are subject to the provisions of California Labor Code section 3081 and penalties are pursuant to Labor Code section 1777.7 and the determination of the Labor Commissioner.

## ATTACHMENT B

### CONFLICT OF INTEREST AND POLITICAL REFORM ACT OBLIGATIONS

Consultant shall make all reasonable efforts to ensure that no County officer or employee, whose position in the County enables him/her to influence any award of the Contract or any competing offer, shall have any direct or indirect financial interest resulting from the award of the Contract or shall have any relationship to the Consultant or officer or employee of the Consultant.

During the term of this Contract Consultant shall not act a Consultant or perform services of any kind for any person or entity whose interests conflict in any way with those of the County. Consultant shall at all times comply with the terms of the Political Reform Act and the local conflict of interest code. Consultant shall immediately disqualify itself and shall not use its official position to influence in any way, any matter coming before the County in which the Consultant has a financial interest as defined in Government Code section 87103. Consultant represents that it has no knowledge of any financial interests which would require it to disqualify itself from any matter on which it might perform services for the County.

“Consultant” means an individual who, pursuant to a contract with a state or local agency:

(A) Makes a governmental decision whether to:

1. Approve a rate, rule or regulation;
2. Adopt or enforce a law;
3. Issue, deny, suspend, or revoke any permit, license, application, certificate, approval, order, or similar authorization or entitlement;
4. Authorize the County to enter into, modify, or renew a contract provided it is the type of contract that requires County approval;
5. Grant County approval to a contract that requires County approval and to which the County is a party, or to the specifications for such a contract;
6. Grant County approval to a plan, design, report, study, or similar item;
7. Adopt, or grant County approval of, policies, standards, or guidelines for the County, or for any subdivision thereof; or

(B) Serves in a staff capacity with the County and in that capacity participates in making a governmental decision as defined in Regulation 18702.2 or performs the same or substantially all the same duties for the County that would otherwise be performed by an individual holding a position specified in the County’s Conflict of Interest Code.

DISCLOSURE DETERMINATION: [mark appropriate box below]

1. Consultant will not be “making a government decision” or “serving in a staff capacity” as defined in Sections A and B above. No disclosure required.
2. Consultant will be “making a government decision” or “serving in a staff capacity” as defined in either Section A or B above. As a result, Consultant shall be required to file a Statement of Economic Interest with the Clerk of the Board of Supervisors in a timely manner as required by law.

**ATTACHMENT C  
RESERVED**





## ATTACHMENT D Campaign Contribution Disclosure (SB 1439)

### DEFINITIONS

Actively supporting the matter: (a) Communicate directly with a member of the Board of Supervisors or other County elected officer [Sheriff, Assessor-Recorder-Clerk, District Attorney, Auditor-Controller/Treasurer/Tax Collector] for the purpose of influencing the decision on the matter; or (b) testifies or makes an oral statement before the County in a proceeding on the matter for the purpose of influencing the County's decision on the matter; or (c) communicates with County employees, for the purpose of influencing the County's decision on the matter; or (d) when the person/company's agent lobbies in person, testifies in person or otherwise communicates with the Board or County employees for purposes of influencing the County's decision in a matter.

Agent: A third-party individual or firm who, for compensation, is representing a party or a participant in the matter submitted to the Board of Supervisors. If an agent is an employee or member of a third-party law, architectural, engineering or consulting firm, or a similar entity, both the entity and the individual are considered agents.

Otherwise related entity: An otherwise related entity is any for-profit organization/company which does not have a parent-subsidary relationship but meets one of the following criteria:

- (1) One business entity has a controlling ownership interest in the other business entity;
- (2) there is shared management and control between the entities; or
- (3) a controlling owner (50% or greater interest as a shareholder or as a general partner) in one entity also is a controlling owner in the other entity.

For purposes of (2), "shared management and control" can be found when the same person or substantially the same persons own and manage the two entities; there are common or commingled funds or assets; the business entities share the use of the same offices or employees, or otherwise share activities, resources or personnel on a regular basis; or there is otherwise a regular and close working relationship between the entities.

Parent-Subsidiary Relationship: A parent-subsidiary relationship exists when one corporation has more than 50 percent of the voting power of another corporation.

**Consultants must respond to the questions on the following page. If a question does not apply respond N/A or Not Applicable.**

1. Name of Consultant: Babcock Laboratories, Inc.
2. Is the entity listed in Question No.1 a nonprofit organization under Internal Revenue Code section 501(c)(3)?  
 Yes  If yes, skip Question Nos. 3-4 and go to Question No. 5      No
3. Name of Principal (i.e., CEO/President) of entity listed in Question No. 1, if the individual actively supports the matter and has a financial interest in the decision: N/A
4. If the entity identified in Question No.1 is a corporation held by 35 or less shareholders, and not publicly traded ("closed corporation"), identify the major shareholder(s):  
N/A
5. Name of any parent, subsidiary, or otherwise related entity for the entity listed in Question No. 1 (see definitions above):

Company Name	Relationship
N/A	

6. Name of agent(s) of Consultant:

Company Name	Agent(s)	Date Agent Retained (if less than 12 months prior)
N/A		

7. Name of Subconsultant(s) (including Principal and Agent(s)) that will be providing services/work under the awarded contract if the Subconsultant (1) actively supports the matter and (2) has a financial interest in the decision and (3) will be possibly identified in the contract with the County or board governed special district.

Company Name	Subconsultant(s):	Principal and/or Agent(s):
N/A		

8. Name of any known individuals/companies who are not listed in Questions 1-7, but who may (1) actively support or oppose the matter submitted to the Board and (2) have a financial interest in the outcome of the decision:

Company Name	Individual(s) Name
N/A	

9. Was a campaign contribution, of more than \$250, made to any member of the San Bernardino County Board of Supervisors or other County elected officer within the prior 12 months, by any of the individuals or entities listed in Question Nos. 1-8?

No  If no, please skip Question No. 10.

Yes  If yes, please continue to complete this form.

10. Name of Board of Supervisor Member or other County elected officer: \_\_\_\_\_

Name of Contributor: \_\_\_\_\_

Date(s) of Contribution(s): \_\_\_\_\_

Amount(s): \_\_\_\_\_

Please add an additional sheet(s) to identify additional Board Members or other County elected officers to whom anyone listed made campaign contributions.

N/A

By signing the Contract, Consultant certifies that the statements made herein are true and correct. Consultant understands that the individuals and entities listed in Question Nos. 1-8 are prohibited from making campaign contributions of more than \$250 to any member of the Board of Supervisors or other County elected officer while award of this Contract is being considered and for 12 months after a final decision by the County.

**Exhibit 1 – Fee Proposal**

# Exhibit 1

Babcock Laboratories, Inc.

## TABLE E-1

Sample Analytical Methods Quantities and MDLs

FY 2024-2025

Constituent	Suggested Methods <sup>1</sup>		Required Detection Limit	Proposed Reporting Limit	Units	Anticipated Number of Samples per Year	Comments	Per Sample (Unit) Analytical Cost
	EPA	SM						
<b>Conventional</b>								
Biochemical Oxygen Demand (BOD)	405.1	5210	1.0	1.0	mg/L	215		\$ 44
Chemical Oxygen Demand (COD)	410	5220	0.5	10	mg/L	215		\$ 21
pH (Lab)	150.1	4500	--		pH Units	63		\$ 12
Electrical Conductivity (EC) (Lab)	120.1	RDL	2.5	1	mS/cm	71	SM 2510B	\$ 12
Dissolved Oxygen (Lab)	360.1	4500	0.5	0.1	mg/L	71		\$ 12
Color	--	2120	--		Color Units	71		\$ 8
Turbidity (Lab)	180.1	2130	2	0.1	NTU	63		\$ 8
Total Dissolved Solids (TDS)	160.1	2540	0.5	10	mg/L	263		\$ 17
Total Suspended Solids (TSS)	160.2	2540	0.5	0.5	mg/L	602		\$ 17
Volatile Suspended Solids	--	2540	1.0	0.5	mg/L	96		\$ 21
Total Organic Carbon (TOC)	415.3	5310	0.1	0.7	mg/L	236		\$ 39
Dissolved Organic Carbon	--	5310	0.1	0.7	mg/L	156		\$ 39
Oil and Grease (O&G)	413.1, 1664	5520	10	2.5	mg/L	111		\$ 43
<b><u>Metals: Total Recoverable and Dissolved</u></b>								
Antimony (Sb)	200.8	3120, 3125	0.5	0.5	ug/L	56		\$ 12
Arsenic (As), Total	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 12
Arsenic (As), Dissolved	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 12
Barium (Ba), Total	200.8	3120	2.0	1.0	ug/L	63		\$ 12
Barium (Ba), Dissolved	200.8	3120	2.0	1.0	ug/L	63		\$ 12
Beryllium (Be)	200.8	3120, 3125	0.3	0.5	ug/L	56		\$ 12
Boron (B), Total	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 12
Boron (B), Dissolved	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 12
Cadmium (Cd), Total	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 12
Cadmium (Cd), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 12
Chromium (Cr), Total	200.8	3120, 3125	2.0	0.5	ug/L	103		\$ 12
Chromium (Cr), Dissolved	200.8	3120, 3125	2.0	0.5	ug/L	31		\$ 12
Chromium VI (Cr6+)	200.8, 218.6	3500	0.3	1.0	ug/L	95		\$ 70
Cobalt (Co), Total	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 12

Cobalt (Co), Dissolved	200.8	3120, 3125	0.5	1.0	ug/L	63		\$	12
Copper (Cu), Total	200.8	3120, 3125	1.0	0.5	ug/L	160		\$	12
Copper (Cu), Dissolved	200.8	3120, 3125	1.0	0.5	ug/L	151		\$	12
Iron (Fe), Total	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$	12
Iron (Fe), Dissolved	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$	12
Lead (Pb), Total	200.8	3120, 3125	0.2	0.5	ug/L	151		\$	12
Lead (Pb), Dissolved	200.8	3120, 3125	0.2	0.5	ug/L	151		\$	12
Manganese (Mn), Total	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$	12
Manganese (Mn), Dissolved	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$	12
Mercury (Hg), Total	200.8	3112	0.1	0.2	ug/L	95		\$	25
Mercury (Hg), Dissolved	200.8	3112	0.1	0.2	ug/L	63		\$	25
Nickel (Ni), Total	200.8	3120, 3125	1.0	1.0	ug/L	64		\$	12
Nickel (Ni), Dissolved	200.8	3120, 3125	1.0	1.0	ug/L	64		\$	12
Selenium (Se), Total	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$	12
Selenium (Se), Dissolved	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$	12
Silver (Ag), Total	200.8	3120, 3125	0.3	0.3	ug/L	95		\$	12
Silver (Ag), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	95		\$	12
Thallium (Tl)	200.8	3120, 3125	0.2	1.0	ug/L	56		\$	12
Zinc (Zn), Total	200.8	3120, 3125	2.0	1.0	ug/L	151		\$	12
Zinc (Zn), Dissolved	200.8	3120, 3125	2.0	1.0	ug/L	151		\$	12
<b>General Minerals</b>									
Total Hardness as CaCO <sub>3</sub>	130	2340, HACH 8266	--		mg/L	289	Calculation	\$	-
Calcium (Ca)	215	3120	0.5	1	mg/L	68	EPA 200.7	\$	12
Magnesium (Mg)	242.1	3120, 3125	0.5	1	mg/L	67	EPA 200.7	\$	12
Sodium (Na)	273	3120, 3125	0.5	1	mg/L	140	EPA 200.7	\$	12
Potassium (K)	200.7 / APHA	3120, 3125	0.5	1	mg/L	140		\$	12
Total Alkalinity as CaCO <sub>3</sub>	130	2320	--		mg/L	200		\$	16
Hydroxide (OH)	310.1	2320	--		mg/L	67	Included in alkalinity	\$	-
Calcium Carbonate (CO <sub>3</sub> )	310.1	2320	--		mg/L	67	Included in alkalinity	\$	-
Bicarbonate (HCO <sub>3</sub> )	130	2320	--		mg/L	67	Included in alkalinity	\$	-

<b>Others</b>									
Sulfate (SO <sub>4</sub> )	375.4	4500, 4110	0.25	0.5	mg/L	151	EPA 300.0	\$	12
Chloride (Cl)	325	4500, 4110	1.0	1.0	mg/L	150	EPA 300.0	\$	12
Flouride (F)	340	4500, 4110	0.05	0.1	mg/L	143	EPA 300.0	\$	12
Ortho-Phosphate	365.2	4500, 4110	<b>0.015</b>	<b>0.05</b>	mg/L	343		\$	16
Total Phosphorus (P-Total)	365.2	4500, 3120	<b>0.015</b>	<b>0.01</b>	mg/L	343		\$	26
Total Dissolved Phosphorus	365.2	4500	<b>0.015</b>	<b>0.05</b>	mg/L	296		\$	26

Ammonium Nitrogen (NH <sub>4</sub> -N)	350	4500	0.030	0.100	mg/L	343		\$	12
Nitrate Nitrogen (NO <sub>3</sub> -N)	352.1	4500, 4110	0.020	0.200	mg/L	343	EPA 300.0	\$	12
Nitrite Nitrogen (NO <sub>2</sub> -N)	354.1	4500, 4110	0.050	0.100	mg/L	343	EPA 300.0	\$	12
Total Kjeldahl Nitrogen (TKN)	351	4500	0.075	0.1	mg/L	158		\$	41
Total Nitrogen (N-Total)	354.1	4500, 4110	0.025	0.2	mg/L	224	300.0/4500 + Calc	\$	66
Total Dissolved Nitrogen	--	4500	0.025	0.2	mg/L	216	300.0/4500 + Calc	\$	66
Total Inorganic Nitrogen (TIN)	Calc	Calc	--	--	mg/L	280	300.0/4500 + Calc	\$	39
MBAS	--	5540C	0.1	0.08	mg/L	280		\$	39
Asbestos	100.1	2570	--	--	--	56	Sub-EMSL	\$	365
Cyanide	335.4	4500	0.005	0.005	mg/L	95		\$	39
Silica	200.7	3120, 3125	--	5	mg/L	31		\$	12
Grain Size Analysis	ASTM D3977	--	--	--	mg/L	96	Sub-EMSL	\$	247
Chlorophyll a	--	10200	1.0	--	ug/L	84	Sub-Weck	\$	131
Bioassay - Chronic	1002.0, 1993, EPA 821-R-02-013	--	--	--	--	32	Ceriodaphnia dubia survival Sub-ABC	\$	1,876

**Bacteriological**

Total Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	155		\$	43
Fecal Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	415		\$	21
<i>Escherichia coli</i> (1, 0.1, 0.01 mL planted)	1603	9221, 9223	10		MPN/100mL	415	IDEXX 18hr	\$	51
Fecal Streptococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	63		\$	45
Enterococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	143		\$	43

**Hydrocarbons**

Total Recoverable Petroleum Hydrocarbons - Gasoline	418.1, 8015B	5520	5	0.05	mg/L	72		\$	51
Total Recoverable Petroleum Hydrocarbons - Diesel	418.1, 8015D	5520	5	5	mg/L	72	8015B, 8015D not approved in CA	\$	51

**Organic Compounds**

Volatile Organic Compounds by GC/MS	8260, 1624	6410	--	--	ug/L	56		\$	165
Semi-Volatile Organic Compounds by GC/MS	8270, 1625	6410, 6440	--	--	ug/L	57		\$	247
PCDD/PCDF	8290, 613	--	--	--	ug/L	6	Sub-Bureau Veritas, EPA 1613	\$	621
2,3,7,8-TCDD	8290, 613	--	--	--	ug/L	38	Sub-Bureau Veritas, EPA 1613	\$	378
OrganoChlorine Pesticides & PCBs	8081, 608.1	6410, 6630	--	--	ug/L	75		\$	86
OrganoPhosphorus Pesticides	8141, 614.1	--	--	--	ug/L	141	8270	\$	148
Pyrethroid Pesticides	8270	--	--	--	ug/L	14	8321M-SPE	\$	309

Chlorinated Herbicides (Chlorphenoxy-)	8151, 615	--	--		ug/L	15		\$	150
Glyphosphate	547	--	0.5	25	ug/L	33		\$	144
Diquat	549	--	0.5		ug/L	33	Sub-Week	\$	151
NonylPhenol	3535, 8310	--	--		ug/L	33	Sub-Week	\$	281
Imazapyr	M2468	--	1.0		ug/L	15	Sub-Week	\$	247
<b><u>Courier Services</u></b>									
Sample Courier (Fixed Cost per sample pickup event)						100		\$	103
Sample Courier (Cost per mile)						50		\$	3

<sup>1</sup> Laboratory may propose an alternative but equivalent method. Laboratory must have ELAP certification for the alternate method.



**TABLE E-1**

Sample Analytical Methods Quantities and MDLs

FY 2025-  
2026

Constituent	Suggested Methods <sup>1</sup>		Required Detection Limit	Proposed Reporting Limit	Units	Anticipated Number of Samples per Year	Comments	Per Sample (Unit) Analytical Cost
	EPA	SM						
<b>Conventional</b>								
Biochemical Oxygen Demand (BOD)	405.1	5210	1.0	1.0	mg/L	215		\$ 46
Chemical Oxygen Demand (COD)	410	5220	0.5	10	mg/L	215		\$ 22
pH (Lab)	150.1	4500	--		pH Units	63		\$ 13
Electrical Conductivity (EC) (Lab)	120.1	RDL	2.5	1	mS/cm	71	SM 2510B	\$ 13
Dissolved Oxygen (Lab)	360.1	4500	0.5	0.1	mg/L	71		\$ 13
Color	--	2120	--		Color Units	71		\$ 9
Turbidity (Lab)	180.1	2130	2	0.1	NTU	63		\$ 9
Total Dissolved Solids (TDS)	160.1	2540	0.5	10	mg/L	263		\$ 18
Total Suspended Solids (TSS)	160.2	2540	0.5	0.5	mg/L	602		\$ 18
Volatile Suspended Solids	--	2540	1.0	0.5	mg/L	96		\$ 22
Total Organic Carbon (TOC)	415.3	5310	0.1	0.7	mg/L	236		\$ 41
Dissolved Organic Carbon	--	5310	0.1	0.7	mg/L	156		\$ 41
Oil and Grease (O&G)	413.1, 1664	5520	10	2.5	mg/L	111		\$ 45
<b>Metals: Total Recoverable and Dissolved</b>								
Antimony (Sb)	200.8	3120, 3125	0.5	0.5	ug/L	56		\$ 13
Arsenic (As), Total	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 13
Arsenic (As), Dissolved	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 13
Barium (Ba), Total	200.8	3120	2.0	1.0	ug/L	63		\$ 13
Barium (Ba), Dissolved	200.8	3120	2.0	1.0	ug/L	63		\$ 13
Beryllium (Be)	200.8	3120, 3125	0.3	0.5	ug/L	56		\$ 13
Boron (B), Total	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 13
Boron (B), Dissolved	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 13
Cadmium (Cd), Total	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 13
Cadmium (Cd), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 13
Chromium (Cr), Total	200.8	3120, 3125	2.0	0.5	ug/L	103		\$ 13
Chromium (Cr), Dissolved	200.8	3120, 3125	2.0	0.5	ug/L	31		\$ 13
Chromium VI (Cr6+)	200.8, 218.6	3500	0.3	1.0	ug/L	95		\$ 73
Cobalt (Co), Total	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 13

Cobalt (Co), Dissolved	200.8	3120, 3125	0.5	1.0	ug/L	63		\$	13
Copper (Cu), Total	200.8	3120, 3125	1.0	0.5	ug/L	160		\$	13
Copper (Cu), Dissolved	200.8	3120, 3125	1.0	0.5	ug/L	151		\$	13
Iron (Fe), Total	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$	13
Iron (Fe), Dissolved	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$	13
Lead (Pb), Total	200.8	3120, 3125	0.2	0.5	ug/L	151		\$	13
Lead (Pb), Dissolved	200.8	3120, 3125	0.2	0.5	ug/L	151		\$	13
Manganese (Mn), Total	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$	13
Manganese (Mn), Dissolved	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$	13
Mercury (Hg), Total	200.8	3112	0.1	0.2	ug/L	95		\$	26
Mercury (Hg), Dissolved	200.8	3112	0.1	0.2	ug/L	63		\$	26
Nickel (Ni), Total	200.8	3120, 3125	1.0	1.0	ug/L	64		\$	13
Nickel (Ni), Dissolved	200.8	3120, 3125	1.0	1.0	ug/L	64		\$	13
Selenium (Se), Total	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$	13
Selenium (Se), Dissolved	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$	13
Silver (Ag), Total	200.8	3120, 3125	0.3	0.3	ug/L	95		\$	13
Silver (Ag), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	95		\$	13
Thallium (Tl)	200.8	3120, 3125	0.2	1.0	ug/L	56		\$	13
Zinc (Zn), Total	200.8	3120, 3125	2.0	1.0	ug/L	151		\$	13
Zinc (Zn), Dissolved	200.8	3120, 3125	2.0	1.0	ug/L	151		\$	13
<b>General Minerals</b>									
Total Hardness as CaCO <sub>3</sub>	130	2340, HACH 8266	--		mg/L	289	Calculation	\$	-
Calcium (Ca)	215	3120	0.5	1	mg/L	68	EPA 200.7	\$	13
Magnesium (Mg)	242.1	3120, 3125	0.5	1	mg/L	67	EPA 200.7	\$	13
Sodium (Na)	273	3120, 3125	0.5	1	mg/L	140	EPA 200.7	\$	13
Potassium (K)	200.7 / APHA	3120, 3125	0.5	1	mg/L	140		\$	13
Total Alkalinity as CaCO <sub>3</sub>	130	2320	--		mg/L	200		\$	17
Hydroxide (OH)	310.1	2320	--		mg/L	67	Included in alkalinity	\$	-
Calcium Carbonate (CO <sub>3</sub> )	310.1	2320	--		mg/L	67	Included in alkalinity	\$	-
Bicarbonate (HCO <sub>3</sub> )	130	2320	--		mg/L	67	Included in alkalinity	\$	-

<b>Others</b>									
Sulfate (SO <sub>4</sub> )	375.4	4500, 4110	0.25	0.5	mg/L	151	EPA 300.0	\$	13
Chloride (Cl)	325	4500, 4110	1.0	1.0	mg/L	150	EPA 300.0	\$	13
Fluoride (F)	340	4500, 4110	0.05	0.1	mg/L	143	EPA 300.0	\$	13
Ortho-Phosphate	365.2	4500, 4110	0.015	0.05	mg/L	343		\$	17
Total Phosphorus (P-Total)	365.2	4500, 3120	0.015	0.01	mg/L	343		\$	27
Total Dissolved Phosphorus	365.2	4500	0.015	0.05	mg/L	296		\$	27

Ammonium Nitrogen (NH <sub>4</sub> -N)	350	4500	0.030	0.100	mg/L	343		\$	13
Nitrate Nitrogen (NO <sub>3</sub> -N)	352.1	4500, 4110	0.020	0.200	mg/L	343	EPA 300.0	\$	13
Nitrite Nitrogen (NO <sub>2</sub> -N)	354.1	4500, 4110	0.050	0.100	mg/L	343	EPA 300.0	\$	13
Total Kjeldahl Nitrogen (TKN)	351	4500	0.075	0.1	mg/L	158		\$	43
Total Nitrogen (N-Total)	354.1	4500, 4110	0.025	0.2	mg/L	224	300.0/4500 + Calc	\$	69
Total Dissolved Nitrogen	--	4500	0.025	0.2	mg/L	216	300.0/4500 + Calc	\$	69
Total Inorganic Nitrogen (TIN)	Calc	Calc	--		mg/L	280	300.0/4500 + Calc	\$	41
MBAS	--	5540C	0.1	0.08	mg/L	280		\$	41
Asbestos	100.1	2570	--		--	56	Sub-EMSL	\$	384
Cyanide	335.4	4500	0.005	0.005	mg/L	95		\$	41
Silica	200.7	3120, 3125	--	5	mg/L	31		\$	13
Grain Size Analysis	ASTM D3977	--	--		mg/L	96	Sub-EMSL	\$	259
Chlorophyll a	--	10200	1.0		ug/L	84	Sub-Weck	\$	137
Bioassay - Chronic	1002.0, 1993, EPA 821-R-02-013	--	--		--	32	Ceriodaphnia dubia survival Sub-ABC	\$	1,970

<b>Bacteriological</b>									
Total Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	155		\$	45
Fecal Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	415		\$	22
<i>Escherichia coli</i> (1, 0.1, 0.01 mL planted)	1603	9221, 9223	10		MPN/100mL	415	IDEXX 18hr	\$	54
Fecal Streptococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	63		\$	48
Enterococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	143	or Enterolert	\$	45

<b>Hydrocarbons</b>									
Total Recoverable Petroleum Hydrocarbons - Gasoline	418.1, 8015B	5520	5	0.05	mg/L	72		\$	54
Total Recoverable Petroleum Hydrocarbons - Diesel	418.1, 8015D	5520	5	5	mg/L	72	8015B, 8015D not approved in CA	\$	54

<b>Organic Compounds</b>									
Volatile Organic Compounds by GC/MS	8260, 1624	6410	--		ug/L	56		\$	173
Semi-Volatile Organic Compounds by GC/MS	8270, 1625	6410, 6440	--		ug/L	57		\$	259
PCDD/PCDF	8290, 613	--	--		ug/L	6	Sub-BV EPA 1613	\$	652
2,3,7,8-TCDD	8290, 613	--	--		ug/L	38	Sub-BV EPA 1613	\$	397
OrganoChlorine Pesticides & PCBs	8081, 608.1	6410, 6630	--		ug/L	75		\$	90
OrganoPhosphorus Pesticides	8141, 614.1	--	--		ug/L	141	8270	\$	155
Pyrethroid Pesticides	8270	--	--		ug/L	14	8321M-SPE	\$	324

Chlorinated Herbicides (Chlorphenoxy-)	8151, 615	--	--		ug/L	15		\$	157
Glyphosphate	547	--	0.5	25	ug/L	33		\$	151
Diquat	549	--	0.5		ug/L	33	Sub-Weck	\$	158
NonylPhenol	3535, 8310	--	--		ug/L	33	Sub-Weck	\$	295
Imazapyr	M2468 -	--	1.0		ug/L	15	Sub-Weck	\$	259
<b>Courier Services</b>									
Sample Courier (Fixed Cost per sample pickup event)						100		\$	108
Sample Courier (Cost per mile)						50		\$	3

<sup>1</sup> Laboratory may propose an alternative but equivalent method. Laboratory must have ELAP certification for the alternate method.

**TABLE E-1**

Sample Analytical Methods Quantities and MDLs

FY 2026-2027

Constituent	Suggested Methods <sup>1</sup>		Required Detection Limit	Proposed Reporting Limit	Units	Anticipated Number of Samples per Year	Comments	Per Sample (Unit) Analytical Cost
	EPA	SM						
<b><u>Conventional</u></b>								
Biochemical Oxygen Demand (BOD)	405.1	5210	1.0	1.0	mg/L	215		\$ 48
Chemical Oxygen Demand (COD)	410	5220	0.5	10	mg/L	215		\$ 23
pH (Lab)	150.1	4500	--		pH Units	63		\$ 14
Electrical Conductivity (EC) (Lab)	120.1	RDL	2.5	1	mS/cm	71	SM 2510B	\$ 14
Dissolved Oxygen (Lab)	360.1	4500	0.5	0.1	mg/L	71		\$ 14
Color	--	2120	--		Color Units	71		\$ 9
Turbidity (Lab)	180.1	2130	2	0.1	NTU	63		\$ 9
Total Dissolved Solids (TDS)	160.1	2540	0.5	10	mg/L	263		\$ 19
Total Suspended Solids (TSS)	160.2	2540	0.5	0.5	mg/L	602		\$ 19
Volatile Suspended Solids	--	2540	1.0	0.5	mg/L	96		\$ 24
Total Organic Carbon (TOC)	415.3	5310	0.1	0.7	mg/L	236		\$ 43
Dissolved Organic Carbon	--	5310	0.1	0.7	mg/L	156		\$ 43
Oil and Grease (O&G)	413.1, 1664	5520	10	2.5	mg/L	111		\$ 47
<b><u>Metals: Total Recoverable and Dissolved</u></b>								
Antimony (Sb)	200.8	3120, 3125	0.5	0.5	ug/L	56		\$ 14
Arsenic (As), Total	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 14
Arsenic (As), Dissolved	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 14
Barium (Ba), Total	200.8	3120	2.0	1.0	ug/L	63		\$ 14
Barium (Ba), Dissolved	200.8	3120	2.0	1.0	ug/L	63		\$ 14
Beryllium (Be)	200.8	3120, 3125	0.3	0.5	ug/L	56		\$ 14
Boron (B), Total	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 14
Boron (B), Dissolved	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 14
Cadmium (Cd), Total	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 14
Cadmium (Cd), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 14
Chromium (Cr), Total	200.8	3120, 3125	2.0	0.5	ug/L	103		\$ 14
Chromium (Cr), Dissolved	200.8	3120, 3125	2.0	0.5	ug/L	31		\$ 14
Chromium VI (Cr6+)	200.8, 218.6	3500	0.3	1.0	ug/L	95		\$ 77
Cobalt (Co), Total	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 14

Cobalt (Co), Dissolved	200.8	3120, 3125	0.5	1.0	ug/L	63		\$	14
Copper (Cu), Total	200.8	3120, 3125	1.0	0.5	ug/L	160		\$	14
Copper (Cu), Dissolved	200.8	3120, 3125	1.0	0.5	ug/L	151		\$	14
Iron (Fe), Total	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$	14
Iron (Fe), Dissolved	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$	14
Lead (Pb), Total	200.8	3120, 3125	0.2	0.5	ug/L	151		\$	14
Lead (Pb), Dissolved	200.8	3120, 3125	0.2	0.5	ug/L	151		\$	14
Manganese (Mn), Total	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$	14
Manganese (Mn), Dissolved	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$	14
Mercury (Hg), Total	200.8	3112	0.1	0.2	ug/L	95		\$	27
Mercury (Hg), Dissolved	200.8	3112	0.1	0.2	ug/L	63		\$	27
Nickel (Ni), Total	200.8	3120, 3125	1.0	1.0	ug/L	64		\$	14
Nickel (Ni), Dissolved	200.8	3120, 3125	1.0	1.0	ug/L	64		\$	14
Selenium (Se), Total	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$	14
Selenium (Se), Dissolved	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$	14
Silver (Ag), Total	200.8	3120, 3125	0.3	0.3	ug/L	95		\$	14
Silver (Ag), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	95		\$	14
Thallium (Tl)	200.8	3120, 3125	0.2	1.0	ug/L	56		\$	14
Zinc (Zn), Total	200.8	3120, 3125	2.0	1.0	ug/L	151		\$	14
Zinc (Zn), Dissolved	200.8	3120, 3125	2.0	1.0	ug/L	151		\$	14
<b>General Minerals</b>									
Total Hardness as CaCO <sub>3</sub>	130	2340, HACH 8266	--		mg/L	289	Calculation	\$	-
Calcium (Ca)	215	3120	0.5	1	mg/L	68	EPA 200.7	\$	14
Magnesium (Mg)	242.1	3120, 3125	0.5	1	mg/L	67	EPA 200.7	\$	14
Sodium (Na)	273	3120, 3125	0.5	1	mg/L	140	EPA 200.7	\$	14
Potassium (K)	200.7 / APHA	3120, 3125	0.5	1	mg/L	140		\$	14
Total Alkalinity as CaCO <sub>3</sub>	130	2320	--		mg/L	200		\$	18
Hydroxide (OH)	310.1	2320	--		mg/L	67	Included in alkalinity	\$	-
Calcium Carbonate (CO <sub>3</sub> )	310.1	2320	--		mg/L	67	Included in alkalinity	\$	-
Bicarbonate (HCO <sub>3</sub> )	130	2320	--		mg/L	67	Included in alkalinity	\$	-

<b>Others</b>									
Sulfate (SO <sub>4</sub> )	375.4	4500, 4110	0.25	0.5	mg/L	151	EPA 300.0	\$	14
Chloride (Cl)	325	4500, 4110	1.0	1.0	mg/L	150	EPA 300.0	\$	14
Fluoride (F)	340	4500, 4110	0.05	0.1	mg/L	143	EPA 300.0	\$	14
Ortho-Phosphate	365.2	4500, 4110	<b>0.015</b>	<b>0.05</b>	mg/L	343		\$	18
Total Phosphorus (P-Total)	365.2	4500, 3120	<b>0.015</b>	<b>0.01</b>	mg/L	343		\$	28
Total Dissolved Phosphorus	365.2	4500	<b>0.015</b>	<b>0.05</b>	mg/L	296		\$	28

Ammonium Nitrogen (NH <sub>4</sub> -N)	350	4500	0.030	0.100	mg/L	343		\$	14
Nitrate Nitrogen (NO <sub>3</sub> -N)	352.1	4500, 4110	0.020	0.200	mg/L	343	EPA 300.0	\$	14
Nitrite Nitrogen (NO <sub>2</sub> -N)	354.1	4500, 4110	0.050	0.100	mg/L	343	EPA 300.0	\$	14
Total Kjeldahl Nitrogen (TKN)	351	4500	0.075	0.1	mg/L	158		\$	45
Total Nitrogen (N-Total)	354.1	4500, 4110	0.025	0.2	mg/L	224	300.0/4500 + Calc	\$	73
Total Dissolved Nitrogen	--	4500	0.025	0.2	mg/L	216	300.0/4500 + Calc	\$	73
Total Inorganic Nitrogen (TIN)	Calc	Calc	--		mg/L	280	300.0/4500 + Calc	\$	43
MBAS	--	5540C	0.1	0.08	mg/L	280		\$	43
Asbestos	100.1	2570	--		--	56	Sub-EMSL	\$	403
Cyanide	335.4	4500	0.005	0.005	mg/L	95		\$	43
Silica	200.7	3120, 3125	--	5	mg/L	31		\$	14
Grain Size Analysis	ASTM D3977	--	--		mg/L	96	Sub-EMSL	\$	272
Chlorophyll a	--	10200	1.0		ug/L	84	Sub-Weck	\$	144
Bioassay - Chronic	1002.0, 1993, EPA 821-R-02-013	--	--		--	32	Ceriodaphnia dubia survival Sub-ABC	\$	2,068

<b>Bacteriological</b>									
Total Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	155		\$	47
Fecal Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	415		\$	24
Escherichia coli (1, 0.1, 0.01 mL planted)	1603	9221, 9223	10		MPN/100mL	415	IDEXX 18hr	\$	56
Fecal Streptococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	63		\$	50
Enterococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	143	or Enterolert	\$	47

<b>Hydrocarbons</b>									
Total Recoverable Petroleum Hydrocarbons - Gasoline	418.1, 8015B	5520	5	0.05	mg/L	72		\$	56
Total Recoverable Petroleum Hydrocarbons - Diesel	418.1, 8015D	5520	5	5	mg/L	72	8015B, 8015D not approved in CA	\$	56

<b>Organic Compounds</b>									
Volatile Organic Compounds by GC/MS	8260, 1624	6410	--		ug/L	56		\$	181
Semi-Volatile Organic Compounds by GC/MS	8270, 1625	6410, 6440	--		ug/L	57		\$	272
PCDD/PCDF	8290, 613	--	--		ug/L	6	Sub-BV EPA 1613	\$	685
2,3,7,8-TCDD	8290, 613	--	--		ug/L	38	Sub-BV EPA 1613	\$	417
OrganoChlorine Pesticides & PCBs	8081, 608.1	6410, 6630	--		ug/L	75		\$	94
OrganoPhosphorus Pesticides	8141, 614.1	--	--		ug/L	141	8270	\$	163
Pyrethroid Pesticides	8270	--	--		ug/L	14	8321M-SPE	\$	340

Chlorinated Herbicides (Chlorphenoxy-)	8151, 615	--	--	--	ug/L	15		\$	165
Glyphosphate	547	--	0.5	25	ug/L	33		\$	159
Diquat	549	--	0.5		ug/L	33	Sub-Weck	\$	166
NonylPhenol	3535, 8310	--	--		ug/L	33	Sub-Weck	\$	310
Imazapyr	M2468	--	1.0		ug/L	15	Sub-Weck	\$	272
<b>Courier Services</b>									
Sample Courier (Fixed Cost per sample pickup event)						100		\$	113
Sample Courier (Cost per mile)						50		\$	3

<sup>1</sup> Laboratory may propose an alternative but equivalent method. Laboratory must have ELAP certification for the alternate method.



**TABLE E-1**

Sample Analytical Methods Quantities and MDLs

FY 2027-  
2028

Constituent	Suggested Methods <sup>1</sup>		Required Detection Limit	Proposed Reporting Limit	Units	Anticipated Number of Samples per Year	Comments	Per Sample (Unit) Analytical Cost
	EPA	SM						
<b><u>Conventional</u></b>								
Biochemical Oxygen Demand (BOD)	405.1	5210	1.0	1.0	mg/L	215		\$ 50
Chemical Oxygen Demand (COD)	410	5220	0.5	10	mg/L	215		\$ 24
pH (Lab)	150.1	4500	--		pH Units	63		\$ 14
Electrical Conductivity (EC) (Lab)	120.1	RDL	2.5	1	mS/cm	71	SM 2510B	\$ 14
Dissolved Oxygen (Lab)	360.1	4500	0.5	0.1	mg/L	71		\$ 14
Color	--	2120	--		Color Units	71		\$ 10
Turbidity (Lab)	180.1	2130	2	0.1	NTU	63		\$ 10
Total Dissolved Solids (TDS)	160.1	2540	0.5	10	mg/L	263		\$ 20
Total Suspended Solids (TSS)	160.2	2540	0.5	0.5	mg/L	602		\$ 20
Volatile Suspended Solids	--	2540	1.0	0.5	mg/L	96		\$ 25
Total Organic Carbon (TOC)	415.3	5310	0.1	0.7	mg/L	236		\$ 45
Dissolved Organic Carbon	--	5310	0.1	0.7	mg/L	156		\$ 45
Oil and Grease (O&G)	413.1, 1664	5520	10	2.5	mg/L	111		\$ 50
<b><u>Metals: Total Recoverable and Dissolved</u></b>								
Antimony (Sb)	200.8	3120, 3125	0.5	0.5	ug/L	56		\$ 14
Arsenic (As), Total	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 14
Arsenic (As), Dissolved	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 14
Barium (Ba), Total	200.8	3120	2.0	1.0	ug/L	63		\$ 14
Barium (Ba), Dissolved	200.8	3120	2.0	1.0	ug/L	63		\$ 14
Beryllium (Be)	200.8	3120, 3125	0.3	0.5	ug/L	56		\$ 14
Boron (B), Total	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 14
Boron (B), Dissolved	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 14
Cadmium (Cd), Total	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 14
Cadmium (Cd), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 14
Chromium (Cr), Total	200.8	3120, 3125	2.0	0.5	ug/L	103		\$ 14
Chromium (Cr), Dissolved	200.8	3120, 3125	2.0	0.5	ug/L	31		\$ 14
Chromium VI (Cr6+)	200.8, 218.6	3500	0.3	1.0	ug/L	95		\$ 81
Cobalt (Co), Total	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 14

Cobalt (Co), Dissolved	200.8	3120, 3125	0.5	1.0	ug/L	63		\$	14
Copper (Cu), Total	200.8	3120, 3125	1.0	0.5	ug/L	160		\$	14
Copper (Cu), Dissolved	200.8	3120, 3125	1.0	0.5	ug/L	151		\$	14
Iron (Fe), Total	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$	14
Iron (Fe), Dissolved	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$	14
Lead (Pb), Total	200.8	3120, 3125	0.2	0.5	ug/L	151		\$	14
Lead (Pb), Dissolved	200.8	3120, 3125	0.2	0.5	ug/L	151		\$	14
Manganese (Mn), Total	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$	14
Manganese (Mn), Dissolved	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$	14
Mercury (Hg), Total	200.8	3112	0.1	0.2	ug/L	95		\$	29
Mercury (Hg), Dissolved	200.8	3112	0.1	0.2	ug/L	63		\$	29
Nickel (Ni), Total	200.8	3120, 3125	1.0	1.0	ug/L	64		\$	14
Nickel (Ni), Dissolved	200.8	3120, 3125	1.0	1.0	ug/L	64		\$	14
Selenium (Se), Total	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$	14
Selenium (Se), Dissolved	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$	14
Silver (Ag), Total	200.8	3120, 3125	0.3	0.3	ug/L	95		\$	14
Silver (Ag), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	95		\$	14
Thallium (Tl)	200.8	3120, 3125	0.2	1.0	ug/L	56		\$	14
Zinc (Zn), Total	200.8	3120, 3125	2.0	1.0	ug/L	151		\$	14
Zinc (Zn), Dissolved	200.8	3120, 3125	2.0	1.0	ug/L	151		\$	14
<b>General Minerals</b>									
Total Hardness as CaCO <sub>3</sub>	130	2340, HACH 8266	--		mg/L	289	Calculation	\$	-
Calcium (Ca)	215	3120	0.5	1	mg/L	68	EPA 200.7	\$	14
Magnesium (Mg)	242.1	3120, 3125	0.5	1	mg/L	67	EPA 200.7	\$	14
Sodium (Na)	273	3120, 3125	0.5	1	mg/L	140	EPA 200.7	\$	14
Potassium (K)	200.7 / ALPHA	3120, 3125	0.5	1	mg/L	140		\$	14
Total Alkalinity as CaCO <sub>3</sub>	130	2320	--		mg/L	200		\$	19
Hydroxide (OH)	310.1	2320	--		mg/L	67	Included in alkalinity	\$	-
Calcium Carbonate (CO <sub>3</sub> )	310.1	2320	--		mg/L	67	Included in alkalinity	\$	-
Bicarbonate (HCO <sub>3</sub> )	130	2320	--		mg/L	67	Included in alkalinity	\$	-

<b>Others</b>									
Sulfate (SO <sub>4</sub> )	375.4	4500, 4110	0.25	0.5	mg/L	151	EPA 300.0	\$	14
Chloride (Cl)	325	4500, 4110	1.0	1.0	mg/L	150	EPA 300.0	\$	14
Fluoride (F)	340	4500, 4110	0.05	0.1	mg/L	143	EPA 300.0	\$	14
Ortho-Phosphate	365.2	4500, 4110	0.015	0.05	mg/L	343		\$	19
Total Phosphorus (P-Total)	365.2	4500, 3120	0.015	0.01	mg/L	343		\$	30
Total Dissolved Phosphorus	365.2	4500	0.015	0.05	mg/L	296		\$	30

Ammonium Nitrogen (NH <sub>4</sub> -N)	350	4500	0.030	0.100	mg/L	343		\$	14
Nitrate Nitrogen (NO <sub>3</sub> -N)	352.1	4500, 4110	0.020	0.200	mg/L	343	EPA 300.0	\$	14
Nitrite Nitrogen (NO <sub>2</sub> -N)	354.1	4500, 4110	0.050	0.100	mg/L	343	EPA 300.0	\$	14
Total Kjeldahl Nitrogen (TKN)	351	4500	0.075	0.1	mg/L	158		\$	48
Total Nitrogen (N-Total)	354.1	4500, 4110	0.025	0.2	mg/L	224	300.0/4500 + Calc	\$	76
Total Dissolved Nitrogen	--	4500	0.025	0.2	mg/L	216	300.0/4500 + Calc	\$	76
Total Inorganic Nitrogen (TIN)	Calc	Calc	--		mg/L	280	300.0/4500 + Calc	\$	45
MBAS	--	5540C	0.1	0.08	mg/L	280		\$	45
Asbestos	100.1	2570	--		--	56	Sub-EMSL	\$	423
Cyanide	335.4	4500	0.005	0.005	mg/L	95		\$	45
Silica	200.7	3120, 3125	--	5	mg/L	31		\$	14
Grain Size Analysis	ASTM D3977	--	--		mg/L	96	Sub-EMSL	\$	286
Chlorophyll a	--	10200	1.0		ug/L	84	Sub-Weck	\$	151
Bioassay - Chronic	1002.0, 1993, EPA 821-R-02-013	--	--		--	32	Ceriodaphnia dubia survival Sub-ABC	\$	2,171

**Bacteriological**

Total Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	155		\$	50
Fecal Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	415		\$	25
<i>Escherichia coli</i> (1, 0.1, 0.01 mL planted)	1603	9221, 9223	10		MPN/100mL	415	IDEXX 18hr	\$	59
Fecal Streptococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	63		\$	52
Enterococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	143	or Enterolert	\$	50

**Hydrocarbons**

Total Recoverable Petroleum Hydrocarbons - Gasoline	418.1, 8015B	5520	5	0.05	mg/L	72		\$	59
Total Recoverable Petroleum Hydrocarbons - Diesel	418.1, 8015D	5520	5	5	mg/L	72	8015B, 8015D not approved in CA	\$	59

**Organic Compounds**

Volatile Organic Compounds by GC/MS	8260, 1624	6410	--		ug/L	56		\$	190
Semi-Volatile Organic Compounds by GC/MS	8270, 1625	6410, 6440	--		ug/L	57		\$	286
PCDD/PCDF	8290, 613	--	--		ug/L	6	Sub-BV EPA 1613	\$	719
2,3,7,8-TCDD	8290, 613	--	--		ug/L	38	Sub-BV EPA 1613	\$	438
OrganoChlorine Pesticides & PCBs	8081, 608.1	6410, 6630	--		ug/L	75		\$	99
OrganoPhosphorus Pesticides	8141, 614.1	--	--		ug/L	141	8270	\$	171
Pyrethroid Pesticides	8270	--	--		ug/L	14	8321M-SPE	\$	357

Chlorinated Herbicides (Chlorophenoxy-)	8151, 615	--	--		ug/L	15		\$	173
Glyphosphate	547	--	0.5	25	ug/L	33		\$	167
Diquat	549	--	0.5		ug/L	33	Sub-Weck	\$	174
NonylPhenol	3535, 8310	--	--		ug/L	33	Sub-Weck	\$	326
Imazapyr	M2468	--	1.0		ug/L	15	Sub-Weck	\$	286
<b><u>Courier Services</u></b>									
Sample Courier (Fixed Cost per sample pickup event)						100		\$	119
Sample Courier (Cost per mile)						50		\$	4

<sup>1</sup> Laboratory may propose an alternative but equivalent method. Laboratory must have ELAP certification for the alternate method.

**TABLE E-1**

Sample Analytical Methods Quantities and MDLs

FY 2028-2029

Constituent	Suggested Methods <sup>1</sup>		Required Detection Limit	Proposed Reporting Limit	Units	Anticipated Number of Samples per Year	Comments	Per Sample (Unit) Analytical Cost
	EPA	SM						
<b><u>Conventional</u></b>								
Biochemical Oxygen Demand (BOD)	405.1	5210	1.0	1.0	mg/L	215		\$ 53
Chemical Oxygen Demand (COD)	410	5220	0.5	10	mg/L	215		\$ 25
pH (Lab)	150.1	4500	--		pH Units	63		\$ 15
Electrical Conductivity (EC) (Lab)	120.1	RDL	2.5	1	mS/cm	71	SM 2510B	\$ 15
Dissolved Oxygen (Lab)	360.1	4500	0.5	0.1	mg/L	71		\$ 15
Color	--	2120	--		Color Units	71		\$ 10
Turbidity (Lab)	180.1	2130	2	0.1	NTU	63		\$ 10
Total Dissolved Solids (TDS)	160.1	2540	0.5	10	mg/L	263		\$ 21
Total Suspended Solids (TSS)	160.2	2540	0.5	0.5	mg/L	602		\$ 21
Volatile Suspended Solids	--	2540	1.0	0.5	mg/L	96		\$ 26
Total Organic Carbon (TOC)	415.3	5310	0.1	0.7	mg/L	236		\$ 47
Dissolved Organic Carbon	--	5310	0.1	0.7	mg/L	156		\$ 47
Oil and Grease (O&G)	413.1, 1664	5520	10	2.5	mg/L	111		\$ 52
<b><u>Metals: Total Recoverable and Dissolved</u></b>								
Antimony (Sb)	200.8	3120, 3125	0.5	0.5	ug/L	56		\$ 15
Arsenic (As), Total	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 15
Arsenic (As), Dissolved	206.2	3120, 3125	1.2	1.0	ug/L	103	EPA 200.8	\$ 15
Barium (Ba), Total	200.8	3120	2.0	1.0	ug/L	63		\$ 15
Barium (Ba), Dissolved	200.8	3120	2.0	1.0	ug/L	63		\$ 15
Beryllium (Be)	200.8	3120, 3125	0.3	0.5	ug/L	56		\$ 15
Boron (B), Total	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 15
Boron (B), Dissolved	212.3	3120, 3125	0.5	100.0	ug/L	63	EPA 200.7	\$ 15
Cadmium (Cd), Total	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 15
Cadmium (Cd), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	103		\$ 15
Chromium (Cr), Total	200.8	3120, 3125	2.0	0.5	ug/L	103		\$ 15
Chromium (Cr), Dissolved	200.8	3120, 3125	2.0	0.5	ug/L	31		\$ 15
Chromium VI (Cr6+)	200.8, 218.6	3500	0.3	1.0	ug/L	95		\$ 85
Cobalt (Co), Total	200.8	3120, 3125	0.5	1.0	ug/L	63		\$ 15

Cobalt (Co), Dissolved	200.8	3120, 3125	0.5	1.0	ug/L	63		\$	15
Copper (Cu), Total	200.8	3120, 3125	1.0	0.5	ug/L	160		\$	15
Copper (Cu), Dissolved	200.8	3120, 3125	1.0	0.5	ug/L	151		\$	15
Iron (Fe), Total	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$	15
Iron (Fe), Dissolved	236	3120, 3125	2.0	50.0	ug/L	64	EPA 200.7	\$	15
Lead (Pb), Total	200.8	3120, 3125	0.2	0.5	ug/L	151		\$	15
Lead (Pb), Dissolved	200.8	3120, 3125	0.2	0.5	ug/L	151		\$	15
Manganese (Mn), Total	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$	15
Manganese (Mn), Dissolved	243	3120, 3125	0.5	1.0	ug/L	63	EPA 200.8	\$	15
Mercury (Hg), Total	200.8	3112	0.1	0.2	ug/L	95		\$	30
Mercury (Hg), Dissolved	200.8	3112	0.1	0.2	ug/L	63		\$	30
Nickel (Ni), Total	200.8	3120, 3125	1.0	1.0	ug/L	64		\$	15
Nickel (Ni), Dissolved	200.8	3120, 3125	1.0	1.0	ug/L	64		\$	15
Selenium (Se), Total	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$	15
Selenium (Se), Dissolved	270	3120, 3125	2.0	0.5	ug/L	102	EPA 200.8	\$	15
Silver (Ag), Total	200.8	3120, 3125	0.3	0.3	ug/L	95		\$	15
Silver (Ag), Dissolved	200.8	3120, 3125	0.3	0.3	ug/L	95		\$	15
Thallium (Tl)	200.8	3120, 3125	0.2	1.0	ug/L	56		\$	15
Zinc (Zn), Total	200.8	3120, 3125	2.0	1.0	ug/L	151		\$	15
Zinc (Zn), Dissolved	200.8	3120, 3125	2.0	1.0	ug/L	151		\$	15
<b>General Minerals</b>									
Total Hardness as CaCO <sub>3</sub>	130	2340, HACH 8266	--		mg/L	289	Calculation	\$	-
Calcium (Ca)	215	3120	0.5	1	mg/L	68	EPA 200.7	\$	15
Magnesium (Mg)	242.1	3120, 3125	0.5	1	mg/L	67	EPA 200.7	\$	15
Sodium (Na)	273	3120, 3125	0.5	1	mg/L	140	EPA 200.7	\$	15
Potassium (K)	200.7 / ALPHA	3120, 3125	0.5	1	mg/L	140		\$	15
Total Alkalinity as CaCO <sub>3</sub>	130	2320	--		mg/L	200		\$	20
Hydroxide (OH)	310.1	2320	--		mg/L	67	Included in alkalinity	\$	-
Calcium Carbonate (CO <sub>3</sub> )	310.1	2320	--		mg/L	67	Included in alkalinity	\$	-
Bicarbonate (HCO <sub>3</sub> )	130	2320	--		mg/L	67	Included in alkalinity	\$	-

<u>Others</u>														
Sulfate (SO <sub>4</sub> )	375.4	4500, 4110	0.25	0.5	mg/L	151	EPA 300.0	\$	15					
Chloride (Cl)	325	4500, 4110	1.0	1.0	mg/L	150	EPA 300.0	\$	15					
Fluoride (F)	340	4500, 4110	0.05	0.1	mg/L	143	EPA 300.0	\$	15					
Ortho-Phosphate	365.2	4500, 4110	<b>0.015</b>	<b>0.05</b>	mg/L	343		\$	20					
Total Phosphorus (P-Total)	365.2	4500, 3120	<b>0.015</b>	<b>0.01</b>	mg/L	343		\$	31					
Total Dissolved Phosphorus	365.2	4500	<b>0.015</b>	<b>0.05</b>	mg/L	296		\$	31					
Ammonium Nitrogen (NH <sub>4</sub> -N)	350	4500	<b>0.030</b>	<b>0.100</b>	mg/L	343		\$	15					
Nitrate Nitrogen (NO <sub>3</sub> -N)	352.1	4500, 4110	<b>0.020</b>	<b>0.200</b>	mg/L	343	EPA 300.0	\$	15					
Nitrite Nitrogen (NO <sub>2</sub> -N)	354.1	4500, 4110	<b>0.050</b>	<b>0.100</b>	mg/L	343	EPA 300.0	\$	15					
Total Kjeldahl Nitrogen (TKN)	351	4500	<b>0.075</b>	<b>0.1</b>	mg/L	158		\$	50					
Total Nitrogen (N-Total)	354.1	4500, 4110	<b>0.025</b>	<b>0.2</b>	mg/L	224	300.0/4500 + Calc	\$	80					
Total Dissolved Nitrogen	--	4500	<b>0.025</b>	<b>0.2</b>	mg/L	216	300.0/4500 + Calc	\$	80					
Total Inorganic Nitrogen (TIN)	Calc	Calc	--	--	mg/L	280	300.0/4500 + Calc	\$	47					
MBAS	--	5540C	0.1	0.08	mg/L	280		\$	47					
Asbestos	100.1	2570	--	--	--	56	Sub-EMSL	\$	444					
Cyanide	335.4	4500	0.005	0.005	mg/L	95		\$	47					
Silica	200.7	3120, 3125	--	5	mg/L	31		\$	15					
Grain Size Analysis	ASTM D3977	--	--	--	mg/L	96	Sub-EMSL	\$	300					
Chlorophyll a	--	10200	1.0	--	ug/L	84	Sub-Weck	\$	159					
Bioassay - Chronic	1002.0, 1993, EPA 821-R-02-013	--	--	--	--	32	Ceriodaphnia dubia survival Suib-ABC	\$	2,280					

<u>Bacteriological</u>									
Total Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	155		\$	52
Fecal Coliform (1, 0.1, 0.01 mL planted)	--	9221, 9222	10		MPN/100mL	415		\$	26
Escherichia coli (1, 0.1, 0.01 mL planted)	1603	9221, 9223	10		MPN/100mL	415	IDEXX 18hr	\$	62
Fecal Streptococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	63		\$	55
Enterococcus (1, 0.1, 0.01 mL planted)	--	9230	10		MPN/100mL	143	or Enterolert	\$	52

<u>Hydrocarbons</u>									
Total Recoverable Petroleum Hydrocarbons - Gasoline	418.1, 8015B	5520	5	0.05	mg/L	72		\$	62
Total Recoverable Petroleum Hydrocarbons - Diesel	418.1, 8015D	5520	5	5	mg/L	72	8015B, 8015D not approved in CA	\$	62

<u>Organic Compounds</u>									

Volatile Organic Compounds by GC/MS	8260, 1624	6410	--		ug/L	56		\$	200
Semi-Volatile Organic Compounds by GC/MS	8270, 1625	6410, 6440	--		ug/L	57		\$	300
PCDD/PCDF	8290, 613	--	--		ug/L	6	Sub-BV EPA 1613	\$	755
2,3,7,8-TCDD	8290, 613	--	--		ug/L	38	Sub-BV EPA 1613	\$	460
OrganoChlorine Pesticides & PCBs	8081, 608.1	6410, 6630	--		ug/L	75		\$	104
OrganoPhosphorus Pesticides	8141, 614.1	--	--		ug/L	141	8270	\$	180
Pyrethroid Pesticides	8270	--	--		ug/L	14	8321M-SPE	\$	375
Chlorinated Herbicides (Chlorophenoxy-)	8151, 615	--	--		ug/L	15		\$	182
Glyphosphate	547	--	0.5	25	ug/L	33		\$	175
Diquat	549	--	0.5		ug/L	33	Sub-Weck	\$	183
NonylPhenol	3535, 8310	--	--		ug/L	33	Sub-Weck	\$	342
Imazapyr	M2468	--	1.0		ug/L	15	Sub-Weck	\$	300
<b>Courier Services</b>									
Sample Courier (Fixed Cost per sample pickup event)						100		\$	125
Sample Courier (Cost per mile)						50		\$	4

<sup>1</sup> Laboratory may propose an alternative but equivalent method. Laboratory must have ELAP certification for the alternate method.