

**CONTRACT FOR CONSULTANT SERVICES BETWEEN  
THE CITY OF WATSONVILLE AND CAROLLO ENGINEERS, INC.**

**THIS CONTRACT**, is made and entered into this \_\_\_\_\_,  
by and between the **City of Watsonville**, a municipal corporation, hereinafter called  
"City," and **Carollo Engineers, Inc.**, hereinafter called "Consultant."

**WITNESSETH**

**WHEREAS**, the City needs to obtain certain professional, technical and/or  
specialized services of an independent contractor to assist the City in the most  
economical manner; and

**WHEREAS**, Consultant has the requisite skill, training, qualifications, and  
experience to render such services called for under this Contract to City.

**THE PARTIES HEREBY AGREE AS FOLLOWS:**

**SECTION 1. SCOPE OF SERVICES.** Consultant shall perform those services as  
specified in detail in Exhibit "A," entitled "SCOPE OF SERVICES" which is attached  
hereto and incorporated herein.

**SECTION 2. TERM OF CONTRACT.** The term of this Contract shall be from  
December 15, 2020 to December 31, 2023, inclusive.

**SECTION 3. SCHEDULE OF PERFORMANCE.** The services of Consultant are  
to be completed according to the schedule set out in Exhibit "B," entitled "SCHEDULE  
OF PERFORMANCE," which is attached hereto and incorporated herein. Consultant will  
diligently proceed with the agreed Scope of Services and will provide such services in a  
timely manner in accordance with the "SCHEDULE OF PERFORMANCE."

**SECTION 4. COMPENSATION.** The compensation to be paid to Consultant  
including both payment for professional services and reimbursable expenses as well as  
the rate and schedule of payment are set out in Exhibit "C" entitled "COMPENSATION,"  
which is attached hereto and incorporated herein.

**SECTION 5. METHOD OF PAYMENT.** Except as otherwise provided in Exhibit  
"C," each month, Consultant shall furnish to the City a statement of the work performed  
for compensation during the preceding month. Such statement shall also include a  
detailed record of the month's actual reimbursable expenditures.

**SECTION 6. INDEPENDENT CONSULTANT.** It is understood and agreed that  
Consultant, in the performance of the work and services agreed to be performed by  
Consultant, shall act as and be an independent Consultant and not an agent or  
employee of City, and as an independent Consultant, shall obtain no rights to retirement

benefits or other benefits which accrue to City's employees, and Consultant hereby expressly waives any claim it may have to any such rights.

**SECTION 7. ASSIGNABILITY.** Consultant shall not assign or transfer any interest in this Contract nor the performance of any of Consultant's obligations hereunder, without the prior written consent of City, and any attempt by Consultant to so assign this Contract or any rights, duties or obligations arising hereunder shall be void and of no effect.

**SECTION 8. INDEMNIFICATION.**

To the full extent permitted by law (subject to the limitations of Civil Code section 2782.8 for any "design professional services" performed under this Contract), Consultant will indemnify, hold harmless, release and defend the City (including its officers, elected or appointed officials, employees, volunteers or agents) from and against any and all liability or claims (including actions, demands, damages, injuries, settlements, losses or costs [including legal costs and attorney's fees])(collectively "Liability") of any nature, to the extent arising out of, pertaining to, or relating to Consultant's negligence, recklessness, or willful misconduct in the performance of this Contract. In no event shall the cost to defend charged to the Consultant exceed the Consultant's proportionate percentage of fault. Consultant's indemnification obligations under this Contract are not limited by any limitations of any insurance held by Consultant, including, but not limited to, workers compensation insurance.

**SECTION 9. INSURANCE.**

A. Errors and Omissions Insurance. Consultant shall obtain and maintain in full force throughout the term of this Contract a professional liability insurance policy (Errors and Omissions), in a company authorized to issue such insurance in the State of California, with limits of liability of not less than One Million Dollars (\$1,000,000.00) to cover all professional services rendered pursuant to this Contract.

B. Auto and Commercial General Liability Insurance. Consultant shall also maintain in full force and effect for the term of this Contract, automobile insurance and commercial general liability insurance with an insurance carrier satisfactory to City, which insurance shall include protection against claims arising from bodily and personal injury, including death resulting therefrom, and damage to property resulting from any actual occurrence arising out of the performance of this Contract. The amounts of insurance shall not be less than the following:

(1) Commercial general liability insurance, or equivalent form, with a combined single limit of not less than \$500,000.00 per occurrence. If such insurance contains a general aggregate limit, such limit shall apply separately to each project Consultant performs for City. Such insurance shall (a) name City, its appointed and elected officials, and its employees as insureds; and (b) be primary with respect to insurance or self-insurance programs maintained by City and (c) contain standard separation of insured's provisions.

(2) Business automobile liability insurance, or equivalent form, with a combined single limit of not less than \$500,000.00 per occurrence. Such insurance shall include coverage for owned, hired and non-owned automobiles.

C. Workers' Compensation Insurance. In accordance with the provisions of Section 3700 of the Labor Code, Consultant shall be insured against liability for Workers' Compensation or undertake self-insurance. Consultant agrees to comply with such provisions before commencing performance of any work under this Contract.

D. Proof of Insurance to City before Notice to Proceed to Work. Consultant shall satisfactorily provide certificates and endorsements of insurance to the City Clerk before Notice to Proceed to Work of this Contract will be issued. Certificates and policies shall state that the policy shall not be canceled or reduced in coverage without thirty (30) days written notice to City. Approval of insurance by City shall not relieve or decrease the extent to which Consultant may be held responsible for payment of damages resulting from services or operations performed pursuant to this Contract. Consultant shall not perform any work under this Contract until Consultant has obtained the required insurance and until the required certificates have been submitted to the City and approved by the City Attorney. If Consultant fails or refuses to produce or maintain the insurance required by these provisions, or fails or refuses to furnish City required proof that insurance has been procured and is in force and paid for, City shall have the right at City's election to forthwith terminate this Contract immediately without any financial or contractual obligation to the City. As a result of such termination, the City reserves the right to employ another consultant to complete the project.

E. Written notice. Contractor shall provide immediate written notice if (1) any insurance policy required by this Contract is terminated; (2) any policy limit is reduced; (3) or any deductible or self insured retention is increased.

**SECTION 10. NON-DISCRIMINATION.** Consultant shall not discriminate, in any way, against any person on the basis of age, sex, race, color, creed, national origin or disability in connection with or related to the performance of this Contract.

#### **SECTION 11. TERMINATION.**

A. City and Consultant shall have the right to terminate this Contract, without cause, by giving not less than ten (10) days written notice of termination.

B. If Consultant fails to perform any of its material obligations under this Contract, in addition to all other remedies provided by law, City may terminate this Contract immediately upon written notice.

C. The City Manager is empowered to terminate this Contract on behalf of City.

D. In the event of termination, Consultant shall deliver to City copies of all work papers, schedules, reports and other work performed by Consultant and upon receipt thereof, Consultant shall be paid in full for services performed and reimbursable expenses incurred to the date of termination.

**SECTION 12. COMPLIANCE WITH LAWS.** Consultant shall comply with all applicable laws, ordinances, codes and regulations of the federal, state and local governments. Consultant shall obtain and maintain a City of Watsonville business license during the term of this Contract.

**SECTION 13. GOVERNING LAW.** City and Consultant agree that the law governing this Contract shall be that of the State of California. Any suit brought by either party against the other arising out of the performance of this Contract shall be filed and maintained in the Municipal or Superior Court of the County of Santa Cruz.

**SECTION 14. PRIOR CONTRACTS AND AMENDMENTS.** This Contract represents the entire understanding of the parties as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This Contract may only be modified by a written amendment.

**SECTION 15. CONFIDENTIAL INFORMATION.** All data, documents, discussions or other information developed or received by or for Consultant in performance of this Contract are confidential and not to be disclosed to any person except as authorized by the City Manager or his designee, or as required by law.

**SECTION 16. OWNERSHIP OF MATERIALS.** All reports, documents or other materials developed or received by Consultant or any other person engaged directly by Consultant to perform the services required hereunder shall be and remain the property of City without restriction or limitation upon their use.

**SECTION 17. COVENANT AGAINST CONTINGENT FEES.** The Consultant covenants that Consultant has not employed or retained any company or person, other than a bona fide employee working solely for Consultant, to solicit or secure the Contract, and that Consultant has not paid or agreed to pay any company or person, other than a bona fide employee working solely for Consultant, any fees, commissions, percentage, brokerage fee, gift, or any other consideration contingent on or resulting from the award or making of this Contract, for breach or violation of this covenant, the City shall have the right to annul this Contract without liability, or in its discretion, to deduct from the Contract price or consideration or otherwise recover, the full amount of such fee, commission, percentage fee, gift, or contingency.

**SECTION 18. WAIVER.** Consultant agrees that waiver by City or any one or more of the conditions of performance under this Contract shall not be construed as waiver of any other condition of performance under this Contract.

**SECTION 19. CONFLICT OF INTEREST.**

A. A Consultant shall avoid all conflict of interest or appearance of conflict of interest in performance of this Contract. Consultant shall file a disclosure statement, if required by City Council Resolution, which shall be filed within thirty (30) days from the effective date of this Contract or such Resolution, as applicable.

B. No member, officer, or employee of the City, during their tenure, or for one (1) year thereafter, shall have any interest, direct or indirect, in this Contract or the proceeds thereof and Consultant agrees not to allow, permit, grant, transfer, or otherwise do anything which will result in such member, officer, or employee of the City from having such interest.

**SECTION 20. AUDIT BOOKS AND RECORDS.** Consultant shall make available to City, its authorized agents, officers and employees, for examination any and all ledgers and books of account, invoices, vouchers, canceled checks and other records or documents evidencing or related to the expenditures and disbursements charged to the City, and shall furnish to City, its authorized agents and employees, such other evidence or information as City may require with respect to any such expense or disbursement charged by Consultant.

**SECTION 21. NOTICES.** All notices shall be personally served or mailed, postage prepaid, to the following addresses, or to such other address as may be designated by written notice by the parties:

**CITY**

City Clerk's Office  
275 Main Street, Suite 400  
Watsonville, CA 95076  
(831) 768-3040

**CONSULTANT**

Carollo Engineers, Inc.  
2795 Mitchell Drive  
Walnut Creek, CA 94598  
(925) 932-1710

**SECTION 22. EXHIBITS:**

- Exhibit A: Scope of Services
- Exhibit B: Schedule of Performance
- Exhibit C: Compensation

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**WITNESS THE EXECUTION HEREOF**, on the day and year first hereinabove written.

**CITY**

**CONSULTANT**

**CITY OF WATSONVILLE**

**CAROLLO ENGINEERS, INC.**

BY \_\_\_\_\_  
Matthew D. Huffaker, City Manager

BY \_\_\_\_\_  
Scott Weddle

**ATTEST:**

BY \_\_\_\_\_  
Beatriz Vázquez Flores, City Clerk

**APPROVED AS TO FORM:**

BY \_\_\_\_\_  
Alan J. Smith, City Attorney

## **EXHIBIT "A"**

### **SCOPE OF SERVICES**

The scope of services is as follows:

**See attached "Exhibit A"**

## **EXHIBIT "B"**

### **SCHEDULE OF PERFORMANCE**

Services shall commence immediately upon execution of this Contract. All services performed under the provisions of this Contract shall be completed in accordance with the following schedule:

**Complete all services in Scope of Work no later than December 31, 2023**



## **EXHIBIT "C"**

### **COMPENSATION**

a. Total Compensation. The total obligation of City under this Contract shall not exceed \$899,715.00

b. Basis for Payment. Payment(s) to Consultant for services performed under this Contract shall be made as follows and shall include payment for reimbursable expenses.

c. Payment Request. Consultant shall submit a request for payment for services on a monthly basis by letter to Director, or said Director's designated representative. Such request for payment shall cover the preceding monthly period during the term hereof, shall note the City's purchase order number for this Contract, shall contain a detailed listing of the total number of items or tasks or hours for which payment is requested, the individual dates on which such services were rendered, and invoices for reimbursable expenses, if any. Upon receipt in the Office of Director of said payment request, Director shall cause payment to be initiated to Consultant for appropriate compensation.



November 15, 2020

Ms. Danielle Green, P.E.  
City of Watsonville  
250 Main Street  
Watsonville, CA 95076

Subject: Zone 2 Water Reservoir and Airport Booster Pump Station Modifications Project Proposal

Dear Ms. Green:

Thank you for requesting our proposal to provide preliminary design through final design services for a new Zone 2 potable water storage reservoir proposed to be located on a mostly undeveloped City-owned parcel adjacent to the Watsonville Municipal Airport and the existing Airport (Burchell) Reservoir site. The City's goal for the construction project is to enhance water supply reliability by constructing a redundant water storage reservoir in the City's Zone 2 service area.

We understand that engineering services for the overall project are proposed to be executed in up to three phases, which started with the Phase 1 site feasibility study. Our proposed scope of services, project location map, and fee proposal for Phase 2 of the project (preliminary design through bidding assistance) are attached as Exhibits A, B, and C, respectively. If desired, a proposal for the next phase of engineering services during construction will be prepared by amendment following completion of Phase 2 tasks.

Please do not hesitate to contact us if you have any questions or require additional information on this proposal.

Sincerely,

CAROLLO ENGINEERS, INC.

Elaine L. Simmons, P.E.  
Project Manager

Attachments:

- Exhibit A – Scope of Services
- Exhibit B – Project Location
- Exhibit C – Fee Proposal

cc: Scott Weddle – Carollo Engineers, Inc.  
Justin Peterson – Carollo Engineers, Inc.

**EXHIBIT A**  
**SCOPE OF SERVICES**  
**CITY OF WATSONVILLE**  
**(CITY)**  
**AND**  
**CAROLLO ENGINEERS, INC.**  
**(CONSULTANT)**

**ZONE 2 WATER RESERVOIR AND AIRPORT BOOSTER PUMP STATION MODIFICATIONS DESIGN**  
**(PROJECT)**

**PROJECT INTRODUCTION**

This Scope of Services is to define CONSULTANT's scope, schedule, and budget for furnishing design services for the **Zone 2 Water Reservoir and Airport Booster Pump Station Modifications Design (Project)**. Unless otherwise noted, CITY generally refers to the City of Watsonville Public Works & Utilities Department. The project scope generally includes preparing an environmental document (CEQA IS/MND), permitting coordination, and preliminary through final design of a new potable water storage tank (Zone 2 Reservoir B) and modifications to the existing Airport (Burchell) Booster Pump Station. The CITY's goal for this project is to enhance water supply reliability by constructing a redundant water storage reservoir in the CITY's Zone 2 service area.

Zone 2 Reservoir B is proposed to be located on a mostly undeveloped portion of a CITY-owned parcel located at 51 Burchell Avenue in Freedom, CA, adjacent to the CITY's existing 3.0 million gallon (MG) Airport Reservoir (Zone 2 Reservoir A), Airport (Burchell) Booster Pump Station, and Well 17. The proposed site is currently under the authority of the CITY Airport Department and is near Runway 27 at Watsonville Municipal Airport as shown in EXHIBIT B.

A Zone 2 Reservoir Site Feasibility Study (Feasibility Study) to evaluate site constraints and preliminary project impacts has already been conducted as Phase 1 of this project. Additional engineering services for this project are proposed to be executed in two phases. This scope of services is for Phase 2 of the project (preliminary design through bidding). A scope of work for Phase 3 (engineering services during construction) will be prepared by amendment following completion of Phase 2 tasks. This scope assumes that the project will be procured through a conventional design-bid-build approach.

**CONSULTANT'S SERVICES**

CONSULTANT will perform the following services under Phase 2:

- Task 1: Project Management
- Task 2: Geotechnical Investigation
- Task 3: Preliminary Design Report
- Task 4: Environmental Document and Permitting Coordination
- Task 5: Detailed Design
- Task 6: Bidding Assistance
- Optional Task 7: Funding Support

- Optional Task 8: Tier 2 Seismic Retrofit Geotechnical Investigation
- Optional Task 9: Additional Permitting or Support Services

## **TASK 1 – PROJECT MANAGEMENT**

This task provides for the following:

### **Task 1.1 Project Monitoring and Administration**

Maintain project coordination between CITY and CONSULTANT team members, including SUBCONSULTANTS, over an assumed project duration of eighteen (18) months. This task includes preparation of monthly status reports, team meetings, regular correspondence with team members, and review of work progress for quality and completion. Monthly status reports (submitted with monthly invoices) will include the following:

- Description of work completed in reporting period.
- Percentage complete to date by task and subtask.
- Schedule and budget status.
- Deliverable status.
- Key decisions made and major upcoming action items (including meetings).
- Potential project issues.

### **Task 1.2 Kickoff and Project Progress Meetings**

This task includes one project kickoff meeting (virtual), three project deliverables progress meetings (assumed in Watsonville), and eighteen regularly scheduled (e.g. monthly) progress calls to convene with CITY staff and discuss review comments and key decision items. The kickoff meeting will be held shortly after Notice to Proceed. Project deliverables progress meetings are scheduled to occur after CITY review of the draft Preliminary Design Report (Task 3) and 60% and 90% plans, specifications, and cost estimate (Task 5) deliverables. The final schedule for progress meetings and calls will be established with the CITY after Notice to Proceed. This task also includes attendance at and staff report preparation assistance for two City Council meetings.

### **Task 1 Deliverables**

- Monthly invoices, project status reports, and schedule updates.
- Meeting agendas and minutes.
- Decision item, action item, and comment log updates.

### **Task 1 Assumptions**

- Four progress meetings are anticipated: 1) project kickoff meeting; 2) draft Preliminary Design Report review meeting; 3) 60% deliverable review meeting; and, 4) 90% deliverable review meeting.
- The kickoff meeting will be held virtually via MS Teams, WebEx, or similar program; deliverable review meetings will be held in person at the Watsonville City offices.
- Carollo's project manager and project engineer will attend up to two City Council meetings, prepare presentation slides, and assist City staff with preparing project-related staff reports.
- Eighteen progress calls are anticipated to provide CITY staff with regular project updates and solicit feedback between formal deliverables.

## **TASK 2 – GEOTECHNICAL INVESTIGATION**

SUBCONSULTANT will conduct a geotechnical investigation to expand on the recommendations provided in the Feasibility Study. The scope of the geotechnical study will include the new subsurface exploration, laboratory testing, engineering analyses, and a Preliminary Design Geotechnical Engineering Investigation Report with recommendations including preliminary design criteria, and data appendices. This task also provides for notifications to authorities having jurisdiction (AHJ) in advance of field services.

### **Task 2 Assumptions**

- CITY will coordinate and provide access to subject parcels for geotechnical investigation activities.
- If any permits (e.g. City or Santa Cruz County drilling permit) are required, CONSULTANT and SUBCONSULTANT will coordinate with the CITY (Public Works and/or Airport) to obtain them.

### **Task 2 Deliverables**

- Draft and final Preliminary Design Geotechnical Engineering Investigation Report.

## **TASK 3 – PRELIMINARY DESIGN REPORT**

This task provides for development and preparation of the project Preliminary Design Report (PDR). The PDR will serve as the foundation for detailed design (Task 5) and will incorporate findings and recommendations from Task 2. The Feasibility Study indicated that, generally, the open field northwest of the existing Airport Reservoir (Reservoir A) is suitable for construction of a new tank of up to 2.38 MG (Reservoir B). This scope assumes that the findings of the geotechnical investigation (Task 2) do not significantly alter the conceptual design criteria presented in the Feasibility Study.

The PDR will evaluate and make preliminary design recommendations for developing the new Zone 2 Reservoir B site including temporary and permanent site access, site security, land area required for both temporary construction and permanent uses, above and below grade piping, tank instrumentation and controls, tank mixing requirements, lighting, grading, drainage, and visual impacts. Storm runoff from the existing Reservoir A site is currently conveyed to riparian drainage channel(s) adjacent to the site and/or is collected onto other Airport/City property. This scope assumes that the existing storm drainage piping and riparian drainage channels have sufficient reserve capacity to receive additional runoff from the Reservoir B site, design of new storm drainage piping will not be required, and conveying storm runoff from the Reservoir B site in this way will not result in significant environmental impacts. If additional storm drain design or environmental impact support is required, an additional scope of work will be prepared as part of Optional Task 9 (Additional Permitting or Support Services).

The PDR will include layouts for the Reservoir B site, including proposed improvements, piping alignments, and elevations and sections as appropriate to demonstrate design intent at this stage. The Feasibility Study determined that a circular prestressed concrete tank (AWWA D110) will be required to meet the geometric constraints of the proposed Reservoir B site and is the most cost-effective alternative; consideration of other tank types/materials and preparation of a life-cycle cost estimate is excluded from this task.

The PDR will evaluate and make preliminary design recommendations for the modifications to the structural, mechanical, electrical, and instrumentation assets at the Airport Booster Pump Station, the existing hydropneumatic tank, and site utilities/piping related to connecting the new Zone 2 Reservoir B to the Airport Booster Pump Station. In addition, the preliminary design recommendations for site

modifications will also consider the proposed future improvements to Well 17, the Airport Booster Pump Station, Reservoir A, and/or Reservoir B for the future treatment of hexavalent chromium [Cr(VI)], as recommended by the *Hexavalent Chromium Removal Project Engineering Report (Draft), November 2016*. Reduction/Coagulation/Filtration (RCF) reduction contactors and pressure filtration vessels with related mechanical, electrical and instrumentation improvements were identified as the preferred treatment approach for Well 17 in the 2016 report, though the preferred treatment technology could change in the future. This task would further assess civil, yard piping, mechanical and/or electrical and instrumentation improvements anticipated to be required for the future treatment of Cr(VI) that may require coordinated and/or phased site-specific master planning recommendations with sufficient flexibility of design to be implemented with the Reservoir B construction project.

The PDR will provide information as required by the State Water Resources Control Board (SWRCB) Division of Drinking Water (DDW) and Drinking Water State Revolving Fund (SRF) guidelines for technical report content, including discussion of civil (site), mechanical, piping, structural, electrical, and instrumentation design criteria. A preliminary construction cost estimate will be provided in accordance with AACE guidelines, Class 4.

The PDR will include preliminary electrical and instrumentation design recommendations by the electrical/instrumentation SUBCONSULTANT which will include the following tasks:

- Evaluation of the existing booster pumps and their control system, which includes a combination of VFD-driven and constant-speed motors. Recent discussion with CITY operational staff indicated that the operational complexity of the existing booster pump control system may negatively affect Operator response time. Proposed modifications to the existing booster pump control system could include options for simplifying operator interfaces, enhancing system operation and improving system reliability. 12 hours of SUBCONSULTANT time including one site visit/controls meeting with City staff at the Airport Booster Pump Station is assumed.
- Development of a preliminary control strategy (in conjunction with the CONSULTANT) and proposed electrical and instrumentation modifications based on pump sizing, number of pumps, and the necessity of VFDs on each pump. Participation in the draft PDR meeting is included under Task 1.2.
- Preliminary new Reservoir B site lighting and site security layout in accordance with CITY Airport Department requirements including any restrictions, which will be determined after initial coordination by CITY. 14 hours of SUBCONSULTANT coordination time including a virtual meeting with the CITY Airport Department is assumed. Modifications to the existing Reservoir A site lighting and tank security system are excluded from this task but could be evaluated with Optional Task 9.
- Coordination with the Roache Well design engineer to determine if there are requirements for interlocking the proposed new control system at the existing Reservoir A and Airport Booster Pump Station site with the new Roache Well facility. Any such requirements will be included as part of the preliminary control strategy developed in the PDR. 8 hours of SUBCONSULTANT coordination time with the Roache Well design engineer is assumed.

A draft PDR will be submitted for CITY review followed by the final PDR which will incorporate City comments following the PDR review meeting. All key decisions, action items, and responses to CITY comments will be tracked and submitted with the final PDR.

### Task 3 Assumptions

- All deliverables will be provided in electronic format (PDF) and as bound hard copies (3 each).
- This scope assumes 16 hours for desktop assessment of existing booster pumps, ancillary mechanical components at Airport Booster Pump Station, and Well 17 (excludes its disinfection system) using operational data and available inspection reports provided by the CITY.
- City will furnish available record drawings and pump data including performance curves, test reports, and SCADA output data.
- The PDR will include technical content and format as required by DDW and SRF technical report guidelines; CITY will furnish all additional information required by DDW and SRF including Technical, Managerial, and Financial (TMF) Assessment Form, Certification for Compliance with Water Metering Form, Water Rights Documentation (if applicable), Water Conservation Program (if applicable), Memorandum of Understanding (if applicable), and Urban Water Management Plan (if applicable).
- Evaluation of structural modifications to the Well 17 building, the Airport Booster Pump Station building, and the existing Zone 2 Reservoir A is excluded from this task.
- Property access, property jurisdiction transfer, and all other coordination associated with property ownership and property rights will be provided by the CITY.
- The existing storm drainage piping and riparian drainage channels have sufficient reserve capacity to receive additional runoff from the Reservoir B site, design of new storm drainage piping will not be required, and conveying storm runoff from the Reservoir B site in this way will not result in significant environmental impacts.
- Architectural renderings will not be required under this task but could be provided as part of Optional Task 9.
- Existing Airport Booster Pump Station electrical service assets including the transformer, switchgear, Motor Control Center, and standby generator are sufficiently sized and of adequate condition to accommodate anticipated pump modifications, and will not require additional capacity, replacement, or coordination with the service provider.
- Future construction of an RCF or alternative treatment system for Cr(VI) removal will be in the same vicinity as recommended in the above-referenced 2016 report.
- Cathodic protection of buried valves and pipelines is currently assumed to not be required, but could be further evaluated with Optional Task 9.

### Task 3 Deliverables

- Draft and final Preliminary Design Report.

## TASK 4 – ENVIRONMENTAL DOCUMENT AND PERMITTING COORDINATION

This task provides for the following:

### Task 4.1 Permitting Services

This task includes preliminary agency coordination for permits that are critical for initiation during preliminary design to introduce the project and receive regulatory agency input early in the project development stages. Tasks may include discussion of technical studies, environmental impact evaluation, confirmation of permitting strategy and approach, and pre-application meetings or calls. Where feasible within schedule and/or budget, completion of permit applications will be conducted. Coordination with the SWRCB, DDW, Federal Aviation Administration (FAA), and California

Department of Fish and Wildlife (CDFW) by CONSULTANT and/or SUBCONSULTANT is anticipated at a budget of 80 hours.

#### **Task 4.2 Prepare Environmental Document**

This task includes preparing an adequate environmental document pursuant to the California Environmental Quality Act (CEQA) requirements for the implementation of the CITY's Proposed Project. The CITY is interested in applying for funding opportunities under the SRF program. The SRF program is administered by the SWRCB on behalf of the U.S. Environmental Protection Agency (USEPA) for ensuring that the project adheres to federal environmental regulations, including the Endangered Species Act, the National Historic Preservation Act (NHPA) and the General Conformity Rule for the Clean Air Act (CAA), among others. Collectively, the State Board calls these requirements CEQA-Plus and other federal regulations may also apply.

This scope of work assumes that the environmental document to be prepared will be an Initial Study/Mitigated Negative Declaration (IS/MND) pursuant to CEQA-Plus requirements. If the type of CEQA document requires changes during this phase, an additional scope of work and budget will be prepared.

The CEQA-Plus IS/MND preparation by the SUBCONSULTANT, with support by the CONSULTANT, will include the following tasks:

- Attendance at either the project kick-off meeting (with Task 1) or an environmental document kick-off meeting by the SUBCONSULTANT and any appropriate SUBCONSULTANTS of the SUBCONSULTANT.
- Prepare a Project Description as required by CEQA that will be suitable for environmental analysis based on information provided by the CITY and/or the CONSULTANT. The required information includes a physical description of the Proposed Project, maps of the proposed facilities showing the precise location and boundaries of the Proposed Project, construction techniques, a statement of the Proposed Project objectives, and a general description of the technical, economic, environmental, engineering, and/or construction aspects of the Proposed Project. SUBCONSULTANT will ensure that the Project Description is complete and final prior to initiating any significant efforts in analyzing potential environmental impacts. One electronic draft Project Description will be submitted to CITY and CONSULTANT for review and comment prior to finalizing. If any changes occur after this round of review, an additional scope of work will be prepared. This task is anticipated to begin following submittal of the draft PDR deliverable.
- Prepare an Administrative Draft IS/MND document to determine if the Proposed Project may have a significant effect on the environment, and if so, to what extent. In addition, the following environmental studies will be conducted by the SUBCONSULTANT to meet CEQA-Plus requirements:
  - Prepare a Biological Resources Assessment (BA) Report on the potential impacts of state and federally listed species as a result of the construction and operation of the Proposed Project. The BA will address the species listed under the California and Federal Endangered Species Acts (ESA) that could be within the Proposed Project Area and the likelihood of the Proposed Project to adversely affect those resources. This shall include seasonal wetlands and Santa Cruz Tarplant, among others.
  - Prepare a Cultural Resources Inventory Report to comply with AB 52 Tribal Cultural Resources requirements and Section 106 of the National Historic Preservation Act of 1966, as amended. This study will consist of an archeological inventory of cultural surveys and



archeological reports, contacts with Native American tribe(s), as well as a cursory reconnaissance survey of the Proposed Action Area.

For any potentially significant impact(s) identified through the CEQA Checklist, SUBCONSULTANT will develop appropriate mitigation measures to attempt to avoid and/or reduce those impacts to less-than-significant levels.

An electronic Administrative Draft IS/MND will be submitted by SUBCONSULTANT to CITY and CONSULTANT for review and comment prior to finalizing.

- Prepare a Public Draft IS/MND document for the required 30-day public review process. If the City determines that an IS/MND is the appropriate documentation, SUBCONSULTANT will prepare:
  - An electronic version of the Public Draft IS/MND for the City to place on its website.
  - Two (2) copies of the Public Draft IS/MND for local libraries.
  - Fifteen (15) copies of the Public Draft IS/MND for the State Clearinghouse.
  - Up to eight (8) copies for the CITY and/or CONSULTANT, and
  - Notice of Availability/Intent to Adopt a Mitigated Negative Declaration. The CITY will send this to the Santa Cruz County Clerk-Recorder, their customers, any agencies with jurisdiction (including tribal), and any other affected or interested parties.
- Prepare the Final IS/MND document upon completion of the 30-day public review period. The SUBCONSULTANT will assist the CITY with considering any comments received, and will prepare the Final IS/MND for CITY Council to consider adopting and approving the Proposed Project. The CITY is obligated to notify any commenting agencies of the Proposed Project public hearing date in writing.
- Prepare a Notice of Determination (NOD). If the Proposed Project is approved by CITY Council, the CITY will sign 6 copies of the Notice of Determination and deliver them to the SUBCONSULTANT, who will then deliver them to the State Clearinghouse and the Santa Cruz County Clerk-Recorder.
- Once the NOD is filed, the SUBCONSULTANT would prepare the SRF Environmental Application Package (as part of Optional Services Task 7).
- Attend two CITY Council or other public meetings to present and/or adopt the environmental document. A SUBCONSULTANT budget of 24 hours has been included with this task, and any additional support by the CONSULTANT would be provided as part of Task 1.

#### **Task 4 Assumptions**

- CITY Public Works & Utilities Department will lead coordination with the CITY Airport Department including obtaining as-needed site access for CONSULTANT and SUBCONSULTANTS.
- CITY will be responsible for all permit application fees and application submittals.
- Additional permits required for project construction will be scoped during Phase 3.
- The CEQA Project Description will be developed from the draft PDR after CITY review, comment, and approval to proceed.
- If the IS concludes that the Proposed Project may have a significant effect on the environment that cannot be avoided or reduced to less-than-significant levels through mitigation, an EIR/EIS may be required and the SUBCONSULTANT will prepare an additional scope of work, schedule, and budget for preparing the subsequent documents.

- There will be only one round of CITY review and comment of the Project Description and Administrative Draft IS/MND. Any changes thereafter could require repeating and/or adding environmental analysis, and require preparation of an additional scope of work.
- The Proposed Project is not subject to National Environmental Policy Act (NEPA). If any NEPA analysis is required, an additional scope of work will be prepared.
- Comments from the public review period will be limited and not controversial, and can be addressed within the 16 hours budgeted for this task. Any additional effort anticipated will require preparation of an additional scope of work.
- The CITY will be responsible for all filing fees, including with the California Department of Fish and Wildlife, Santa Cruz County Clerk-Recorder, and the State Clearinghouse.
- CITY Council approval of the Proposed Project will occur within six months of the draft PDR submittal.

#### **Task 4 Deliverables**

- Draft and final Project Description (electronic version).
- Draft and final Administrative Draft IS/MND (electronic version).
- BA Report and Cultural Resources Inventory Report (electronic versions).
- Public Draft IS/MND in electronic version and up to twenty-five (25) hard copies.
- Notice of Availability/Intent to Adopt a Mitigated Negative Declaration (electronic version).
- Final IS/MND, Mitigation Monitoring and Reporting Program, and Notice of Determination (electronic versions).
- Resolution for the City Council Meeting (electronic version).

### **TASK 5 – DETAILED DESIGN**

This task provides for the following:

#### **Task 5.1 60% Plans, Specifications, and Cost Estimate**

CONSULTANT will prepare 60% design-level plans, specifications, and construction cost estimate for the project identified in the PDR (Task 3). All cost estimates will be prepared in accordance with AACE guidelines. Electronic (PDF) and three (3) hard copies will be submitted to the City for review. A review meeting for the 60% submittal is included under Task 1.2.

#### **Task 5.2 90% Plans, Specifications, and Cost Estimate**

CONSULTANT will incorporate City comments received at the 60% design review meeting into 90% design level plans, specifications, and construction cost estimate. Electronic (PDF) and three (3) hard copies will be submitted to the City for review. A review meeting for the 90% submittal is included under Task 1.2.

#### **Task 5.3 Bid Set Plans, Specifications, and Cost Estimate**

CONSULTANT will incorporate City comments received at the 90% design review meeting into a BID SET submittal. Electronic (PDF) and three (3) hard copies will be submitted to the City. BID SET submittal will be electronically signed using Certified Digital Signatures for bid advertisement by the CONSULTANT and CITY. Any additional hard copies will be printed by the City.

### **Task 5 Assumptions**

- Hard copy specifications and cost estimates will be provided in 8x11 paper format.
- Hard copy plans will be provided in 11x17 paper format.

### **Task 5 Deliverables**

- 60% plans, specifications, and cost estimate.
- 90% plans, specifications, and cost estimate.
- Bid set plans, specifications, and final construction cost estimate.

## **TASK 6 – BIDDING ASSISTANCE**

This task provides for the following:

### **Task 6.1 Attend Pre-Bid Conference and Site Inspection**

CONSULTANT's project manager or project engineer will attend the pre-bid conference and site inspection as scheduled by the CITY and note any contractor questions for later response by addendum.

### **Task 6.2 Prepare Addenda**

CONSULTANT and/or SUBCONSULTANT will prepare addenda in response to questions received by the CITY in writing. CONSULTANT will submit the addenda to the CITY directly for distribution to planholders.

### **Task 6.3 Bid Tabulation Analysis**

CONSULTANT and/or SUBCONSULTANT will review the submitted contractor bids and prepare a bid tab evaluation for the CITY.

### **Task 6 Assumptions**

- Up to two addenda are assumed under this task.
- CITY will receive written questions from prospective bidders and provide to CONSULTANT for response; CITY will distribute formal responses from CONSULTANT to prospective bidders.
- COVID-19 restrictions will not be in place during the bid period. The pre-bid conference and site inspection will be attended in person by the CONSULTANT.

### **Task 6 Deliverables**

- Addenda and bid tabulation analysis.

## **OPTIONAL TASK 7 – FUNDING SUPPORT**

This task provides for CONSULTANT and SUBCONSULTANT efforts to identify and support funding options for the Project, including Drinking Water SRF eligibility. This effort will begin with a virtual Funding Assistance Meeting to discuss current funding options available, funding program requirements, application processes and timelines, CITY experiences, and proposed strategy for implementation. Under this optional task, CONSULTANT will lead or support City staff with the SRF coordination process with the State, and prepare as much of the SRF package that the City desires

using available information provided by the CITY and/or developed by the project team during Phases 1 and 2.

CONSULTANT will work closely with the City's Funding, Engineering, Public Works, and Finance staff to obtain necessary project information required for the SRF application package.

Portions of the SRF package that may be partially or fully completed by the CONSULTANT, in Draft and/or Final form, includes the General Package, the Financial Package, and the Technical Package. The Environmental Application Package may be partially or fully prepared by the SUBCONSULTANT using documents and information developed in Task 4. For scoping purposes, this task assumes two hundred and forty (240) CONSULTANT staff hours and \$5,160 for SUBCONSULTANT support that could be used for strategic planning efforts, coordination with the State, coordination with the City, and execution of the following tasks which comprise the SRF Application Package:

- General Application Package tasks including: coordinating with the City to obtain required information, developing signatory resolution, verifying with the State that there are no new requirements, incorporating City review comments, and preparing the final General Package for submittal. Upon submittal of the General Package, CONSULTANT could coordinate with State staff on the application review, project status, deliverables submittal status, etc.
- Financial Application Package tasks including: coordinating with the City to prepare the draft and final package and attachments using CITY provided information such as financial statements, cash flow information, tax data, and rate study documentation.
- Technical Application Package tasks including: coordinating with the City to prepare the draft and final technical application package using information developed by the project team (e.g. the PDR) and if needed, the selected Contractor. CONSULTANT could identify required information and document key project information in order to meet the application requirements, streamline the technical package effort, and maximize flexibility for design changes.
- Environmental Application Package tasks including: preparing the draft and final package including the Alternatives Analysis by the SUBCONSULTANT, using information developed by the CEQA document in Task 4 that meets the federal environmental coordination analysis (CEQA-PLUS) and providing support in responding to request for information from the State. CONSULTANT tasks could include reviewing the package for completeness and consistency with the overall SRF package requirements, working closely with City staff to identify critical milestones, developing a work plan to streamline the package effort, submitting the package and any attachments to the State FFAST system, and coordinating with the State on completeness of the application.

Once all application packages are submitted to the State, CONSULTANT will serve as the main point of contact for the City and/or provide support to City staff throughout the application review process. CONSULTANT will also develop and submit the Final Budget Approval (FBA) package after contractor selection/award and assist the City with final execution of the SRF loan agreement, including City legal review, Bond Counsel Review and Closing Resolution.

CONSULTANT and SUBCONSULTANT will begin work on this Optional task only with approval from and as directed by the CITY during the progression of the project.

### **Task 7 Assumptions**

- Level of SRF application completion for the General, Financial, Technical, and/or Environmental Package may vary, and is subject to the availability of information provided by the CITY and/or

others, level of coordination effort required, and funding program requirements including schedule, eligibility, and any updates.

- City will provide all financial information required.
- City will coordinate and provide all required resolutions including the Authorizing, Reimbursement, Rate Adoption, and Closing Resolution(s) and signatures.

## **OPTIONAL TASK 8 – TIER 2 SEISMIC RETROFIT GEOTECHNICAL INVESTIGATION**

This optional task provides for additional geotechnical investigation and geotechnical recommendations for a future seismic evaluation for the Airport Pump Station and Well 17 buildings.

To adequately develop geotechnical recommendations for a future seismic retrofit of the existing facilities, SUBCONSULTANT will complete an additional geotechnical study which will include the new subsurface exploration, laboratory testing, engineering analyses, and a full existing facilities Geotechnical Engineering Investigation Report with recommendations including design criteria and data appendices. The report will be targeted for use during a future seismic retrofit preliminary and final design phase, which could include a structural Tier 2 seismic evaluation for the Airport Pump Station building, and a Tier 1 with Tier 2 seismic evaluation for the Well 17 building.

### **Task 8 Assumptions**

- The additional boring for this optional task will occur during the same mobilization period as proposed boring under Task 2 (assumes separate mobilization will not be required).
- Additional geotechnical recommendations for seismic retrofit of Reservoir A, above or below grade piping, or other existing site appurtenances are not included.
- Tier 2 seismic retrofit analysis and design for any facilities are not included with this task.
- For scoping purposes, this task includes twelve (12) hours of CONSULTANT time for coordination and \$16,000 for SUBCONSULTANT geotechnical investigation and analysis.

### **Task 8 Deliverables**

- Airport Pump Station and Well 17 Buildings Geotechnical Engineering Investigation Report.

## **OPTIONAL TASK 9 – ADDITIONAL PERMITTING OR SUPPORT SERVICES**

This optional task provides a budget allowance for additional work that may be required during this phase that is not otherwise explicitly identified herein, but could include tasks such as additional permit coordination or permit support services, analyzing water system hydraulic model scenarios with the City's Innovyze InfoWater hydraulic model that was developed in 2019, additional topographic surveying and mapping, preparation of a site-specific ground seismic response analysis and site-specific maximum considered event (MCE) ground motion hazard analysis, as-needed design modifications, and/or additional bidding support.

CONSULTANT and/or SUBCONSULTANTS will use the allowance only with approval from and as directed by the CITY on an as-needed basis during the progression of work. For scoping purposes, this task currently assumes three hundred eighty (380) CONSULTANT staff hours. If the CITY decides to implement any additional permitting or support services, extending the project time of performance may also be required.

## TIME OF PERFORMANCE

CONSULTANT will perform the scope of services over an assumed 18-month Phase 2 duration upon Notice-to-Proceed.

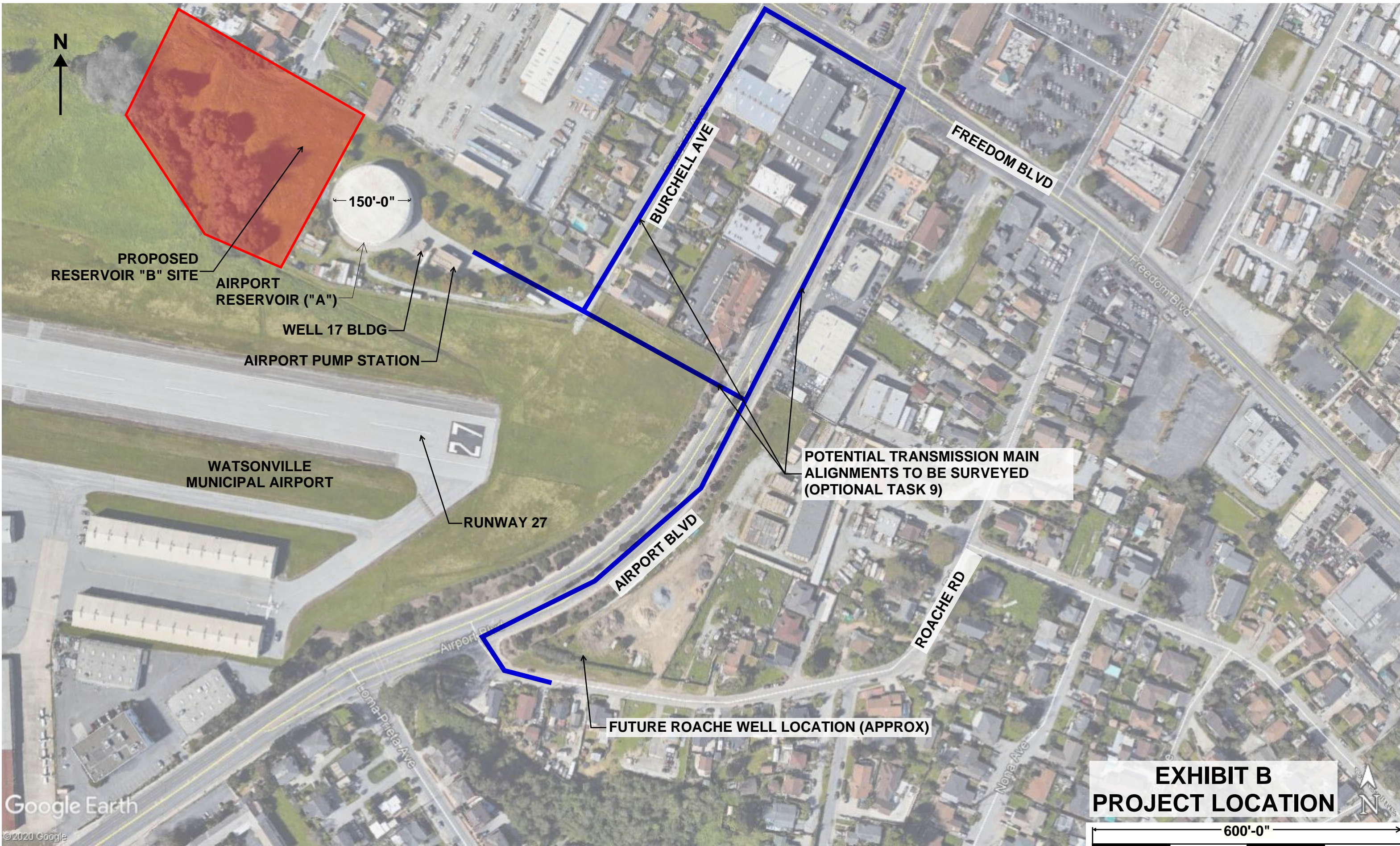
## PAYMENT

Payment to the CONSULTANT for services performed under this Agreement shall be based on the attached fee proposal (EXHIBIT C) on a time and materials basis, at a not-to-exceed cost limit of the total base scope with any optional tasks selected by the CITY.

## ASSUMPTIONS AND CLARIFICATIONS

- **DELIVERABLE USE AND REUSE.** Any reuse of completed documents or use of partially completed documents without written verification or concurrence by Carollo for the specific purposes intended will be at the City's sole risk and without liability or legal exposure to Carollo. Carollo's instruments of service hereunder are the printed hard copy of technical memorandums and reports issued for the Project, whereas electronic media, including Computer Aided Design and Drafting (CADD) or modeling files, are tools for their preparation. As a convenience to the City, Carollo shall furnish to the City both printed hard copies and electronic media (where scoped). In the event of a conflict in their content, the printed hard copies shall take precedence over the electronic media. Because data stored in electronic media form can be altered, inadvertently, it is agreed that the City shall hold Carollo harmless from liability arising out of changes or modifications to Carollo's data in electronic media form in the City's possession or released to others by the City.
- **STANDARD OF CARE.** Carollo shall perform the services required hereunder in accordance with the prevailing engineering standard of care by exercising the skill and ability ordinarily required of engineers performing the same or similar services, under the same or similar circumstances, in the State of California. Additionally, Carollo shall not be responsible for acts and decisions of third parties, including governmental agencies, other than Carollo's subconsultants, that impact project completion and/or success.
- **CITY-PROVIDED INFORMATION AND SERVICES.** The City shall furnish Carollo available studies, reports and other data pertinent to Carollo's services; obtain or authorize Carollo to obtain or provide additional reports and data as required; furnish to Carollo services of others required for the performance of Carollo's services hereunder, and Carollo shall be entitled to use and rely upon all such information and services provided by the City or others in performing Carollo's services under this Agreement.
- **ACCESS.** The City shall arrange for access to and make all provisions for Carollo to enter upon public and private property as required for Carollo to perform services hereunder.
- **ESTIMATES AND PROJECTIONS.** In providing opinions of cost, financial analyses, economic feasibility projections, and schedules for potential projects, Carollo has no control over cost or price of labor and material; unknown or latent conditions of existing equipment or structures that may affect operation and maintenance costs; competitive bidding procedures and market conditions; time or quality of performance of third parties; quality, type, management, or direction of operating personnel; and other economic and operational factors that may materially affect the ultimate project cost or schedule. Therefore, Carollo makes no warranty that the City's actual project costs, financial aspects, economic feasibility, or schedules will not vary from Carollo's opinions, analyses, projections, or estimates.

- **THIRD PARTIES.** The services to be performed by Carollo are intended solely for the benefit of the City. No person or entity not a signatory to this Agreement shall be entitled to rely on Carollo's performance of its services hereunder, and no right to assert a claim against Carollo by assignment of indemnity rights or otherwise shall accrue to a third party as a result of this Agreement of the performance of Carollo's services hereunder.



**EXHIBIT B  
PROJECT LOCATION**

600'-0"





**EXHIBIT C**  
**CITY OF WATSONVILLE**  
**ZONE 2 WATER RESERVOIR AND AIRPORT BOOSTER PUMP STATION MODIFICATIONS**  
**FEE PROPOSAL (PHASE 2 - PRELIMINARY DESIGN THROUGH BIDDING ASSISTANCE)**



Task	Task Description	Carollo Engineers, Inc. <sup>1</sup>											Kleinfelder	SMB	BEI	O'Dell	PROJECT TOTAL <sup>3</sup>							
		Principal-In-Charge	QA/QC	Project Manager	Project Professional	Project Engineer	Structural QA/QC	Lead Structural	Staff Engineer	CAD/ Graphics Tech.	Doc. Process.	Total Hours						Labor Cost	PECE <sup>2</sup>	Expenses <sup>2</sup>	Geotech. Services	Environ. Permitting	Electrical & Intstr.	Site Survey
		Senior Professional	Senior Professional	Lead Project Professional	Project Professional	Professional	Senior Professional	Project Professional	Assistant Professional										\$13					
<b>1</b>	<b>Project Management</b>	\$315	\$315	\$293	\$273	\$230	\$315	\$273	\$188	\$198	\$125													
1.1	Project Monitoring and Administration	16	-	96	-	-	-	-	-	-	112	\$ 33,168	\$ 1,456	\$ -	\$ -	\$ -	\$ 2,400	\$ -	\$ 37,264					
1.2	Kickoff and Project Progress Meetings	12	-	68	4	68	-	-	-	-	152	\$ 40,436	\$ 1,976	\$ 1,200	\$ -	\$ -	\$ 4,800	\$ -	\$ 48,892					
	<b>TASK 1 TOTAL</b>	<b>28</b>	<b>-</b>	<b>164</b>	<b>4</b>	<b>68</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>264</b>	<b>\$ 73,604</b>	<b>\$ 3,432</b>	<b>\$ 1,200</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 7,200</b>	<b>\$ -</b>	<b>\$ 86,156</b>					
<b>2</b>	<b>Geotechnical Investigation</b>																							
2.1	Geotechnical Investigation	-	-	-	-	4	-	8	8	-	20	\$ 4,608	\$ 260	\$ -	\$ 53,000	\$ -	\$ -	\$ -	\$ 63,168					
	<b>TASK 2 TOTAL</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>8</b>	<b>8</b>	<b>-</b>	<b>20</b>	<b>\$ 4,608</b>	<b>\$ 260</b>	<b>\$ -</b>	<b>\$ 53,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 63,168</b>					
<b>3</b>	<b>Preliminary Design Report</b>																							
3.1	Draft Preliminary Design Report	2	6	20	28	82	16	40	88	16	314	\$ 72,556	\$ 4,082	\$ 200	\$ -	\$ -	\$ 23,600	\$ -	\$ 102,798					
3.2	Final Preliminary Design Report	-	-	4	-	12	8	32	24	4	88	\$ 20,992	\$ 1,144	\$ 200	\$ -	\$ -	\$ 2,400	\$ -	\$ 24,976					
	<b>TASK 3 TOTAL</b>	<b>2</b>	<b>6</b>	<b>24</b>	<b>28</b>	<b>94</b>	<b>24</b>	<b>72</b>	<b>112</b>	<b>20</b>	<b>402</b>	<b>\$ 93,548</b>	<b>\$ 5,226</b>	<b>\$ 400</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 26,000</b>	<b>\$ -</b>	<b>\$ 127,774</b>					
<b>4</b>	<b>Environmental Document and Permitting Coordination</b>																							
4.1	Permitting Services	-	8	20	-	16	-	-	32	-	80	\$ 18,576	\$ 1,040	\$ 200	\$ -	\$ -	\$ -	\$ -	\$ 19,816					
4.2	Prepare Initial Study/MND	-	-	16	4	16	-	-	24	-	60	\$ 13,972	\$ 780	\$ -	\$ -	\$ 49,929	\$ -	\$ -	\$ 69,674					
	<b>TASK 4 TOTAL</b>	<b>-</b>	<b>8</b>	<b>36</b>	<b>4</b>	<b>32</b>	<b>-</b>	<b>-</b>	<b>56</b>	<b>-</b>	<b>140</b>	<b>\$ 32,548</b>	<b>\$ 1,820</b>	<b>\$ 200</b>	<b>\$ -</b>	<b>\$ 49,929</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 89,490</b>					
<b>5</b>	<b>Detailed Design</b>																							
5.1	60% Plans, Specifications, and Cost Estimate	-	16	4	-	112	16	80	140	240	672	\$ 140,692	\$ 8,736	\$ 500	\$ -	\$ -	\$ 30,000	\$ -	\$ 182,928					
5.2	90% Plans, Specifications, and Cost Estimate	-	16	4	-	52	12	36	68	128	348	\$ 73,908	\$ 4,524	\$ 500	\$ -	\$ -	\$ 12,600	\$ -	\$ 92,792					
5.3	Bid Set Plans, Specifications, and Cost Estimate	-	8	4	-	40	8	28	48	68	236	\$ 49,544	\$ 3,068	\$ 500	\$ -	\$ -	\$ 4,200	\$ -	\$ 57,732					
	<b>TASK 5 TOTAL</b>	<b>-</b>	<b>40</b>	<b>12</b>	<b>-</b>	<b>204</b>	<b>36</b>	<b>144</b>	<b>256</b>	<b>436</b>	<b>1,256</b>	<b>\$ 264,144</b>	<b>\$ 16,328</b>	<b>\$ 1,500</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 46,800</b>	<b>\$ -</b>	<b>\$ 333,452</b>					
<b>6</b>	<b>Bidding Assistance</b>																							
6.1	Attend Pre-Bid Conference	-	-	-	-	8	-	-	-	-	8	\$ 1,840	\$ 104	\$ 150	\$ -	\$ -	\$ -	\$ -	\$ 2,094					
6.2	Prepare Addenda (Two Included)	-	2	2	-	4	2	2	8	8	32	\$ 6,900	\$ 416	\$ -	\$ -	\$ -	\$ 2,000	\$ -	\$ 9,516					
6.3	Bid Tab Analysis	-	-	-	-	1	-	-	2	-	3	\$ 606	\$ 39	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 645					
	<b>TASK 6 TOTAL</b>	<b>-</b>	<b>2</b>	<b>2</b>	<b>-</b>	<b>13</b>	<b>2</b>	<b>2</b>	<b>10</b>	<b>8</b>	<b>43</b>	<b>\$ 9,346</b>	<b>\$ 559</b>	<b>\$ 150</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,000</b>	<b>\$ -</b>	<b>\$ 12,255</b>					
<b>7</b>	<b>OPTIONAL - Funding Support</b>																							
7.1	Funding Support	-	4	40	148	12	-	-	24	12	240	\$ 63,032	\$ 3,120	\$ -	\$ -	\$ 5,160	\$ -	\$ -	\$ 71,828					
	<b>OPTIONAL TASK 7 TOTAL</b>	<b>-</b>	<b>4</b>	<b>40</b>	<b>148</b>	<b>12</b>	<b>-</b>	<b>-</b>	<b>24</b>	<b>12</b>	<b>240</b>	<b>\$ 63,032</b>	<b>\$ 3,120</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,160</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 71,828</b>					
<b>8</b>	<b>OPTIONAL - Tier 2 Seismic Retrofit Geotechnical Investigation</b>																							
8.1	Tier 2 Seismic Retrofit Geotechnical Investigation	-	-	4	-	8	-	-	-	-	12	\$ 3,012	\$ 156	\$ -	\$ 16,000	\$ -	\$ -	\$ -	\$ 20,768					
	<b>OPTIONAL TASK 8 TOTAL</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>\$ 3,012</b>	<b>\$ 156</b>	<b>\$ -</b>	<b>\$ 16,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 20,768</b>					
<b>9</b>	<b>OPTIONAL - Additional Permitting or Support Services</b>																							
9.1	Additional Permitting or Support Services	-	8	16	40	80	40	60	80	32	380	\$ 89,884	\$ 4,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 94,824					
	<b>OPTIONAL TASK 9 TOTAL</b>	<b>-</b>	<b>8</b>	<b>16</b>	<b>40</b>	<b>80</b>	<b>40</b>	<b>60</b>	<b>80</b>	<b>32</b>	<b>380</b>	<b>\$ 89,884</b>	<b>\$ 4,940</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 94,824</b>					
<b>Total (Base Scope)</b>		<b>30</b>	<b>56</b>	<b>238</b>	<b>36</b>	<b>415</b>	<b>62</b>	<b>226</b>	<b>442</b>	<b>464</b>	<b>156</b>	<b>2,125</b>	<b>\$ 477,798</b>	<b>\$ 27,625</b>	<b>\$ 3,450</b>	<b>\$ 53,000</b>	<b>\$ 49,929</b>	<b>\$ 82,000</b>	<b>\$ -</b>	<b>\$ 712,295</b>				
<b>Total (with Optional Tasks)</b>		<b>30</b>	<b>68</b>	<b>298</b>	<b>224</b>	<b>515</b>	<b>102</b>	<b>286</b>	<b>546</b>	<b>508</b>	<b>180</b>	<b>2,757</b>	<b>\$ 633,726</b>	<b>\$ 35,841</b>	<b>\$ 3,450</b>	<b>\$ 69,000</b>	<b>\$ 55,089</b>	<b>\$ 82,000</b>	<b>\$ -</b>	<b>\$ 899,715</b>				

Notes:

<sup>1</sup> Rates are based on Carollo Engineers, Inc., Fee Schedule as of Jan 1, 2020 for California.

<sup>2</sup> Other direct expenses include mileage traveling to/from meetings at IRS Federal Rate, travel at cost and Project Equipment and Communication Expense (PECE) at \$13 per Direct Labor Hour.

<sup>3</sup> Includes Subconsultant markup of 10%.