

THE INFORMATION IN THIS BOX IS NOT A PART OF THE CONTRACT AND IS FOR COUNTY USE ONLY



Contract Number

22-143

SAP Number

San Bernardino County Flood Control District

Department Contract Representative
Telephone Number

David L. Drake, P.E.
(909) 387-7963

Consultant
Consultant Representative
Telephone Number
Contract Term
Original Contract Amount
Amendment Amount
Total Contract Amount
Cost Center

CASC Engineering and Consulting, Inc.
Rick Sidor
(909) 783-0101
3/1/22 – 3/1/27
\$1,307,806
\$0
\$1,307,806
1920002522-F01669

IT IS HEREBY AGREED AS FOLLOWS:

WHEREAS, the San Bernardino County Flood Control District (District) seeks professional engineering services for improvements to Rialto Channel, from Willow Avenue to Etiwanda Avenue, in the City of Rialto (Project); and

WHEREAS, CASC Engineering and Consulting, Inc. (Consultant) (formerly known as AEI-CASC Engineering) has previously provided professional engineering services for Project in accordance with District Contract No. 02-235; and

WHEREAS, under Contract No. 02-235 Consultant completed approximately 50% plan set before District terminated Contract No. 02-235 for convenience; and

WHEREAS, District and Consultant agree Consultant has a deep understanding of the Project and will utilize and update previously completed reports, plans, specifications, estimates and other documents to prepare final plans, specifications and estimate for Project; and

WHEREAS, the District finds Consultant qualified to provide professional engineering services; and

WHEREAS, the District 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

Board: The San Bernardino County Flood Control District Board of Supervisors.

District: San Bernardino County Flood Control District.

Proposal: Consultant's Proposal dated January 7, 2022, and attached hereto as Exhibit A – Scope of Services, and Exhibit B – Cost Proposal.

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.

B. CONSULTANT RESPONSIBILITIES

B.1 Adhere to the requirements of this Contract.

B.2 Maintain a current email address and company phone number with District. Consultant shall notify designated District staff, via email or telephone, ten (10) business days preceding any changes in mailing or physical address.

B.3 The Contract representative/Project Manager and alternate are listed below. Consultant Contract representative and alternate shall be available locally Monday through Friday and available by cell phone 24 hours a day, Saturday through Sunday, including holidays. Consultant or designee must respond to District inquiries within two (2) business days. Consultant will also designate a back-up point of contact in the event the primary contact is not available. This Contract Representative shall provide overall management and coordination of the Contract on Consultant's behalf. Any changes to Consultant's Contract Representative shall be provided to District in writing and shall be subject to the approval of the District's Chief Flood Control Engineer.

Contract Representative - President:

CASC Engineering and Consulting, Inc.
1470 E. Cooley Drive
Colton, CA 92324
Attn: Rick Sidor
Phone: (909) 783-0101 x5328
Mobile: (909) 835-7145
Email: rsidor@cascinc.com

Project Representative – Project Manager:

CASC Engineering and Consulting, Inc.
1470 E. Cooley Drive
Colton, CA 92324
Attn: Michael Gentile
Phone: (909) 783-0101 x1610
Mobile: (909) 908-0035
Email: mgentile@cascinc.com

B.4 Consultant shall provide services, as described in the Proposal dated January 7, 2022, Exhibit A – Scope of Services, and Exhibit B – Cost Proposal, as summarized below:

- a. Task 1 – Project Management**
- b. Task 2 – Geotechnical Investigation**
- c. Task 3 – Aerial Topographical Mapping**
- d. Task 4 – Design Survey**
- e. Task 5 – Preliminary Title Report Review**
- f. Task 6 – Research and Base Mapping**

- g. Task 7 – Utility Potholing
- h. Task 8 – Utility Research and Coordination
- i. Task 9 – Review of 65% Construction Documents
- j. Task 10 – Revised Hydrology and Hydraulics Report
- k. Task 11 – Randall Avenue Crossing - 75%, 95% 100% Construction Documents
- l. Task 12 – Rialto Channel - 75%, 95% 100% Construction Documents
- m. Task 13 – Stormwater Pollution Prevention Plan (SWPPP)
- n. Task 14 – Structural Engineering
- o. Task 15 – Bid Phase Support
- p. Task 16 – Construction Phase Support

Deliverables shall be subject to the satisfaction of District. Consultant shall sign all Plans, Specifications and Estimate (PS&E) and engineering data furnished under the Contract including registration number. Failure to comply with this provision and provide one or more of the deliverables to the satisfaction of District shall constitute breach of this Contract, entitling District to pursue its contractual rights, including but not limited to, Section C.21 of this Contract.

B.5 Comply with the schedule in Exhibit C, Project Schedule, attached hereto.

C. GENERAL CONTRACT REQUIREMENTS

C.1 Recitals

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

C.2 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 County.

C.3 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.4 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 fees, regardless of who is the prevailing party. This paragraph shall not apply to those costs and attorney fees directly arising from a third-party legal action against a party hereto and payable under Indemnification and Insurance Requirements.

C.5 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, Contractor 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 contractors 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.6 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.7 Choice of Law

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

C.8 Compliance with County 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 County; 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"). District 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 contractors. 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.9 Confidentiality

Consultant shall protect from unauthorized use or disclosure 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 other purpose other than carrying out the Consultant's obligations under this Contract, except as may be otherwise required by law. This provision will remain in force even after the termination of the Contract.

C.10 Reserved

C.11 Reserved

C.12 District Representative

The *Chief Flood Control Engineer* or his/her designee 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 Board, then the Board must approve all amendments to this Contract, unless otherwise delegated.

C.13 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. 14 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.15 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.15.1** Shall not be in any way impaired because of being under the influence of alcohol or an illegal or controlled substance.
- C.15.2** 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.15.3** 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.16 Reserved

C.17 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 District laws and regulations and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted.

C.18 Environmental Requirements

In accordance with County Policy 11-08, the District 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 District 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 District whenever practicable.

To assist the District in meeting the reporting requirements of the California Integrated Waste Management Act of 1989 (AB 939), Consultant must be able to annually report the District'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 District, utilizing a District approved form.

C.19 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.20 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.21 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.22 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.23 Licenses, Permits and/or Certifications

Consultant shall ensure that it has all necessary licenses, permits and/or certifications required by Federal, State, County, District, 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.

The Project Engineer/Project Manager shall be a registered Professional Civil Engineer licensed in the State of California.

C.24 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.25 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.26 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.27 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.28 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.29 Reserved**C.30 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.31 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.32 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 or San Bernardino County. 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.33 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.34 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.35 Subcontracting

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 Subconsultants 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:

- 35.1** Be responsible for Subconsultant compliance with the Contract and the subcontract terms and conditions; and
- 35.2** Ensure that the Subconsultant follows District's reporting formats and procedures as specified by District.
- 35.3** 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. 36 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.37 Termination for Convenience

The District and the Consultant each reserve the right to terminate the Contract, for any reason, 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.38 Time of the Essence

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

C.39 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.40 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 acknowledges and agrees that it will not submit a bid, or enter into an agreement with a third party, for the construction of the Project or any future phases of a Project on which it has previously performed work that was assigned to it under this Contract. Consultant agrees not to affiliate with, or receive financial consideration from, any third party in connection with this Project, except as specifically authorized under this Contract.

Consultant understands per the attached Conflict of Interest and Political Reform Act Obligations (Attachment B) that the Chief Flood Control Engineer has determined Consultant meets Disclosure Determination number 1 and that no disclosure is required.

C.41 Former County Administrative Officials

Consultant agrees to provide, or has already provided information on former County of San Bernardino administrative officials (as defined below) who are employed by or represent Consultant. The information provided includes a list of former County administrative officials who terminated County 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, "County administrative official" is defined as a member of the Board 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.42 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.43 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.44 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.45 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.46 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, 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 District 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. 47 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. 48. Additional Requirements of the San Bernardino County Flood Control District

All of the San Bernardino County Flood Control District's revenues as defined below, have been pledged to secure the payment of the principal and interest on certain bonds and refunding bonds ("Bonds") issued by the San Bernardino County Flood Control District in May 2007. The pledge constitutes a first lien on the revenues for the payment of the Bonds. Any payments under this Contract are subject to the prior pledge of revenues described above. San Bernardino County Flood Control District payments pursuant to this Contract will be made to the extent there are sufficient funds available after payment of the Bonds. For purposes of this paragraph, "revenues" shall mean all income and revenue received by the San Bernardino County Flood Control District from the operation or ownership of the flood and storm water control and conservation facilities ("Flood Control System") of the San Bernardino County Flood Control District (including but not limited to, all real and personal property, or any interest therein, and all additions, improvements, betterments and extensions thereto), determined in accordance with Generally Accepted Accounting Principles, including all ad valorem property taxes received by the San Bernardino County Flood Control District pursuant to Article XIII A of the Constitution of the State of California and Section 95 et seq. of the California Revenue and Taxation Code, all rents, royalties and license and permit fees and charges received by the San Bernardino County Flood Control District, investment income and all other money howsoever derived by the San Bernardino County Flood Control District from the operation or ownership of the Flood Control System or arising from the Flood Control System, but excluding (a) ad valorem property taxes levied to pay any voter approved general obligation indebtedness of the San Bernardino County Flood Control District, (b) assessments levied pursuant to Section 43-7 or Section 43-26.9 of the San Bernardino County Flood Control Act (Cal. Water Code App. Sect. 43-1 et seq.), and (c) grants, advances or contributions in aid of construction, except to the extent such grants are unrestricted and available for any expenditure of the San Bernardino County Flood Control District.

C. 49 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 District prior approval.

C. 50 California Consumer Privacy Act

To the extent applicable, if Contractor is a business that collects the personal information of a consumer(s) in performing Services pursuant to this Contract, Contractor 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. Contractor 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. Contractor 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. Contractor must immediately provide to the District any notice provided by a consumer to Contractor 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. Contractor 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).

D. TERM OF CONTRACT

This Contract is effective as of March 1, 2022 and expires March 1, 2027, 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 Provide Consultant with primary and secondary points of contact to facilitate the terms of the Contract. They are as follows:

Primary Point of Contact/Contract Administrator:

San Bernardino County Flood Control District
Flood Control Engineering Division
Attn: David Drake, P.E.
825 East Third Street, Room 140
San Bernardino, CA 92415-0835
Phone: (909) 387-7963; Fax: (909) 387-7911
Email: David.Drake@dpw.sbcounty.gov

E.2 Furnish to Consultant any pertinent information related to the Project, as may be required by Consultant and as such information becomes available for performance of Consultant's Scope of Work.

E.3 Examine all studies, reports, sketches, estimates, drawings, proposals and other documents presented by Consultant under this Contract.

E.4 Designate, in writing, a person or persons to act as representative of 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 District with respect to the Project and the work covered by this Contract.

E.5 Provide prompt written notice to Consultant whenever District believes that Consultant's performance is deficient with regards to the Project.

E.6 Obtain, with Consultant's assistance, approval and consents from all governmental authorities having jurisdiction over the Project.

F. FISCAL PROVISIONS

- F.1** The maximum amount of payment under this Contract shall not exceed \$1,307,806 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 "Cost Proposal", attached as Exhibit B, 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 will be used to make 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. In addition, each task amount identified in Exhibit B is a not-to-exceed amount that may not be changed by Consultant without the written approval of District. District's Chief Flood Control Engineer may approve changes to the task amount so long as the maximum amount of reimbursement/payment under this Contract does not increase. 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 B.

- F.3** The method of payment for this Contract will be based on actual cost plus a fixed fee. District will reimburse Consultant for actual costs (including labor costs, employee benefits, travel, equipment rental costs, overhead and other direct costs) incurred by Consultant in performance of the work. Consultant will not be reimbursed for actual costs that exceed the estimated wage rates, employee benefits, travel, equipment rental, overhead, and other estimated costs set forth in the approved Consultant's Cost Proposal, unless additional reimbursement is provided for by Contract amendment. In no event, will Consultant be reimbursed for overhead costs at a rate that exceeds District's approved overhead rate set forth in the Cost Proposal. In the event, that District determines that a change to the work from that specified in the Cost Proposal and Contract is required, the Contract time or actual costs reimbursable by District shall be adjusted by Contract amendment to accommodate the changed work. The maximum total cost as specified F.1 not be exceeded, unless authorized by Contract amendment.

- F.4** Consultant shall provide District itemized monthly invoices (including itemized subconsultant 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) calendar days after receipt of invoice or the resolution of any billing dispute.

- F.5** 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.6** 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.7** 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.8** 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.9** 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.
- F.10** Consultant will be reimbursed promptly according to California Regulations upon receipt by District's DPWBillPay@dpw.sbcounty.gov of itemized invoices. Invoices shall be submitted no later than thirty (30) calendar days after the performance of work for which Consultant is billing. Invoices shall detail the work performed on each milestone and each project as applicable. Invoices shall follow the format stipulated for the approved Cost Proposal and shall reference this Contract number and project title. Final invoice must contain the final cost and all credits due District. The final invoice should be submitted within sixty (60) calendar days after completion of Consultant's work.

G. INDEMNIFICATION AND INSURANCE REQUIREMENTS

As used in this Section G, the term "San Bernardino County" and/or "County" shall be deemed to refer to both the San Bernardino County Flood Control District and San Bernardino County.

G.1 Indemnification

Consultant shall defend and indemnify County for claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant. This Contract incorporates by reference the provisions of Civil Code section 2782.8, including, but not limited to, the provisions that concern the duty and cost to defend the County.

G.2 Additional Insured

All policies, except for Worker's Compensation, Errors and Omissions and Professional Liability policies shall contain additional endorsements naming the 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, contractors 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 District or between District 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, District 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 District will be promptly reimbursed by Consultant or District payments to the Consultant will be reduced to pay for District 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 District 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 District 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:
- Premises operations and mobile equipment.
 - Products and completed operations.
 - Broad form property damage (including completed operations).
 - Explosion, collapse and underground hazards.
 - Personal injury.
 - Contractual liability.
 - \$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

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 District 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 District 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, District will make payment to those continuing as though there had been no such death or incapacity and District 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
Flood Control Engineering Division
825 East Third Street
San Bernardino, CA 92415-0835

CASC Engineering and Consulting, Inc.
1470 E. Cooley Drive
Colton, CA 92324

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.

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

► 
Curt Hagman, Chairman, Board of Supervisors

Dated: MAR 01 2022
SIGNED AND CERTIFIED THAT A COPY OF THIS
DOCUMENT HAS BEEN DELIVERED TO THE
CHAIRMAN OF THE BOARD

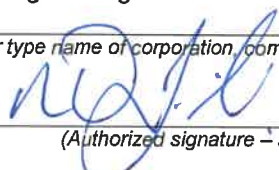
► 
Lynna Monelly
Clerk of the Board of Supervisors

By 

Deputy

CASC Engineering and Consulting, Inc.

(Print or type name of corporation, company, contractor, etc.)

By ► 
(Authorized signature – sign in blue ink)

Name Rick Sidor
(Print or type name of person signing contract)

Title President
(Print or Type)

Dated: 2/15/22

Address 1470 E. COOCH DR
CALTON, CA 92324

FOR COUNTY USE ONLY

Approved as to Legal Form
SEE ATTACHED

► 
Sophie A. Akins, Deputy County Counsel

Date _____

Reviewed for Contract Compliance

► 
Andy Silao, P.E.

Date 2/16/2022

Reviewed/Approved by District

► 
Brendon Biggs, Chief Flood Control Engineer

Date 2/16/22

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**

►

Curt Hagman, Chairman, 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

By _____

Deputy

CASC Engineering and Consulting, Inc.

(Print or type name of corporation, company, contractor, etc.)

By ►

(Authorized signature – sign in blue ink)

Name

Rick Sidor

(Print or type name of person signing contract)

Title

President

(Print or Type)

Dated: _____

2/15/22

Address

1470 E. COOLEY DR

Colton, CA 92324

FOR COUNTY USE ONLY

Approved as to Legal Form

►

Sophie Akins

Sophie A. Akins, Deputy County Counsel

Date

February 16, 2022

Reviewed for Contract Compliance

►

Andy Silao, P.E.

Date

Reviewed/Approved by District

►

Brendon Biggs, 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 County 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 County, 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. 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 Contractor 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 Contractor, or any subcontractor, 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 Contractor or any subcontractor, and such worker.

3. Prevailing Rate Penalty

The Contractor shall, as a penalty, forfeit two hundred dollars (\$200.00) to the County 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 Contractor or by any subcontractor 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 Contractor.

4. Ineligible Contractors:

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

5. Payroll Records:

a. Pursuant to California Labor Code section 1776, the Contractor and each subcontractor, 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 Contractor or subcontractor 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 Contractor 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 County, 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 County or the Division of Labor Standards Enforcement. If the requested payroll records have not been previously provided to the County or the Division of Labor Standards Enforcement, the requesting party shall, prior to being provided the records, reimburse the cost of preparation by

- the Contractor, subcontractor 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 Contractor;
- iv. The Contractor 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 County 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 Contractor or any subcontractor, performing a part of the Scope of Work shall not be marked or obliterated. The Contractor shall inform the County 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 Contractor shall have ten (10) days from receipt of the written notice specifying in what respects the Contractor must comply with the above requirements. In the event Contractor does not comply with the requirements of this section within the ten (10) day period, the Contractor shall, as a penalty to the County, 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 Contractor.
- 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 Contractor or by a subcontractor, 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 Contractor or any subcontractor, 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 Contractor shall pay to the County a penalty of twenty-five dollars (\$25.00) for each worker employed on the Scope of Work by the Contractor or any subcontractor, 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 Contractor 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. Contractor shall comply with Senate Bill 854 and Senate Bill 96. The requirements include, but are not limited to, the following:
 - i. No contractor or subcontractor 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 requirement for bid purposes only as allowed under Labor Code section 1771.1(a).
 - ii. No contractor or subcontractor 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, Contractor is required to post job site notices, as prescribed by regulation, regarding compliance monitoring and enforcement by the DIR.
 - v. Contractors and all subcontractors 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 County reserves the right to require Contractor and all subcontractors 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 contractor 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, "contractor" includes a subcontractor as defined by Section 1722.1.

(a) To qualify for registration under this section, a contractor 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 contractor may register or renew according to this subdivision in annual increments up to three years from the date of registration. Contractors 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 contractor employs to perform work that is subject to prevailing wage requirements other than a contractor 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 contractor is licensed in accordance with Chapter 9 (commencing with Section 7000) of the Business and Professions Code.

(C) The contractor 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 contractor shall not be disqualified for any judgment, order, or determination that is under appeal, provided that the contractor has secured the payment of any amount eventually found due through a bond or other appropriate means.

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

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

(ii) The contractor 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 contractor 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 contractor 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 contractor'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 contractor and any subcontractors are registered under this section or are replaced by a contractor or subcontractors 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 contractor or subcontractor 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 contractor 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 contractor 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 contractor or subcontractor's current registration to perform public work pursuant to Section 1725.5.

(c) An inadvertent error in listing a subcontractor 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 subcontractor is registered prior to the bid opening.

(2) Within 24 hours after the bid opening, the subcontractor 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 subcontractor is replaced by another registered subcontractor pursuant to Section 4107 of the Public Contract Code.

(d) Failure by a subcontractor 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 contractor, with the consent of the awarding authority, to substitute a subcontractor who is registered to perform public work pursuant to Section 1725.5 in place of the unregistered subcontractor.

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

(f) A contract entered into with any contractor or subcontractor 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, contractor, or any subcontractor 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 contractor or subcontractor engaged in the performance of any public work contract without having been registered in accordance with this section, the contractor or subcontractor 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 contractor or subcontractor who is found to have entered into a subcontract with an unregistered lower tier subcontractor 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 subcontractor 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 contractor or subcontractor shall not be liable for penalties assessed pursuant to paragraph (1) if the lower tier subcontractor's performance is in violation of the requirements of Section 1725.5 due to the revocation of a previously approved registration.

(4) A subcontractor shall not be liable for any penalties assessed against a higher tiered public works contractor or subcontractor pursuant to paragraph (1). A higher tiered public works contractor or subcontractor may not require a lower tiered subcontractor 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 contractor or subcontractor 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 contractor or the unregistered subcontractor on all public works until the unregistered contractor or unregistered subcontractor is registered. The stop order shall not apply to work by registered contractors or subcontractors on the public work.

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

(A) Manual delivery of the order to the contractor or subcontractor 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 contractor or subcontractor at one of the following:

(i) The address of the contractor or subcontractor on file with either the Secretary of State or the Contractors' State License Board.

(ii) If the contractor or subcontractor has no address on file with the Secretary of State or the Contractors' 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 contractor or subcontractor, by the unregistered contractor or subcontractor, 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 contractor or subcontractor 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 contractor or subcontractor, owner, director, officer, or managing agent of the contractor or subcontractor 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 contractor to post job site notices, as prescribed by regulation.

(3) Each contractor and subcontractor 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 contractor or subcontractor 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 contractor or subcontractor 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 contractors 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 Contractor 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 Contractor, subcontractor, vendor or consultant. Included in these requirements is (1) the Contractor'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 contractors to:

- a. Submit Contract Award Information (DAS-140):
 - i. Although there are a few exemptions (identified below), all Contractors, 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 Contractor's participation on a public works project—*it is not a request for the dispatch of an apprentice*.
 - iii. Contractors 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 Contractor has workers employed on the public work.
 - iv. Contractors 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. Contractors 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

b. Employ Registered Apprentices

- i. Labor Code section 1777.5 requires that a contractor 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 Contractor'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 Contractors 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. Contractors may use the "DAS-142" form for making a request for the dispatch of an apprentice.
- iv. Contractors 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. Contractor should maintain and submit proof (when requested) of its DAS-142 submittal to the apprenticeship committees (e.g. fax transmittal confirmation). A Contractor 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. Contractors 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. Contractors may use the "CAC-2" form for submittal of their training fund contributions.
- iii. Contractors 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 contractors do not need to submit a DAS-140, DAS-142, make training fund contributions, or utilize apprentices:
- i. When the Contractor holds a sole proprietor license ("Owner-Operator") and no workers were employed by the Contractor. In other words, the contractor performed the entire work from start to finish and worked alone.
 - ii. Contractors 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 Contractor 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 Contractor 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 contractors in a specific trade on a local or statewide basis, the member contractors 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. Contractor's Compliance:**
- a. The responsibility of compliance with this Section for all Apprenticeable Trades or Crafts is solely and exclusively that of the Contractor. 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:

- ☒ 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.

EXHIBIT “A”

January 7, 2022

David L. Drake, P.E.
Engineering Manager/Division Chief
San Bernardino County
Department of Public Works – Flood Control Engineering
825 E Third Street, Rm. 140
San Bernardino, CA 92415-0835

Subject: Proposal for Civil Engineering Services
Rialto Channel from Willow Avenue to Etiwanda Avenue
Prior Work Order No. F01272

Dear Mr. Drake:

CASC Engineering and Consulting (CASC) is pleased to submit the enclosed proposal for Civil Engineering Services for the Rialto Channel project. CASC is grateful for this opportunity to serve the San Bernardino County Department of Public Works, Flood Control Engineering Division (County), in a critical capacity to complete this high-priority project, and we are confident that CASC has the talent, skill, and motivation to do so efficiently to the benefit of the County and community it serves.

CASC has a deep understanding of the project, having prepared the sixty-five percent (65%) level plans in 2012 when the project was halted. We have thoroughly reviewed the progress documents and background information to develop the scope of work, estimated fee, and project schedule attached. While CASC and the County have enjoyed a partnership on various projects over the years, we believe it is important to reintroduce to you the main personnel and their roles for this project.

Michael Gentile, P.E., QSD/P will be the overall project manager and will be the single point of contact for the County throughout the project and will lead coordination efforts with outside agencies. In addition to project management duties, he will conduct internal plan check reviews of all contract documents.

Barbara Sherman, P.E. will be a technical advisor and provide guidance to the design team on key design issues during the development of the contract documents. Ms. Sherman will also play a major role in reviewing contract documents for accuracy and will assist in outside agency coordination.

Anthony Mistretta, P.E. will head up the day-to-day design effort as Lead Civil Engineer. As the lead, he will function as the critical liaison between the design team and the project manager, while providing guidance to staff level personnel and management of engineering tasks so that the design effort proceeds efficiently from one stage to the next.

Rick Furlong, P.L.S. will run the surveying team that will provide the updated information required to design to current conditions, and Jess Becerra, L.S.I.T, will prepare the updated base map.

Mead & Hunt will provide structural engineering services. Mead & Hunt has a long history of providing structural engineering for all types of structures including sediment control structures, diversion structures, flood control and water conservation systems and other associated project works. Nathan Rockwood, PE, SE will manage Mead &

David L. Drake, P.E.
January 7, 2022
Page 2 of 2

Hunt's portion of the design. Mr. Rockwood and Mr. Gentile are currently managing the Donnell Basin project for the County.

Geotechnical Engineering will be led by LOR Geotechnical Group, Inc., a firm with deep roots in San Bernardino County and vicinity. CASC and LOR have teamed up on many successful projects over the years. Bess Testlab, Inc. will perform utility potholing services under CASC's direction. CASC and Bess also have a long track record of successful projects with each other.

The detailed scope of work that follows is based on CASC's understanding that the County is looking for a turnkey project. CASC is prepared to take the lead and deliver complete design packages ready to bid with coordination with outside agencies in place so that the County may commence the bidding process knowing that the way is clear to proceed.

If you have any questions regarding this proposal, please contact me at your earliest convenience. CASC looks forward to beginning work with the County on this major infrastructure project.

Sincerely,
CASC Engineering and Consulting



Michael J. Gentile, P.E., QSD/P
Senior Engineer

PROJECT UNDERSTANDING

CASC Engineering and Consulting Inc. (CASC) understands that the San Bernardino County Department of Public Works (Department) is requesting civil engineering services to complete the construction documents for Rialto Channel from Willow Avenue to Etiwanda Avenue. The construction documents had previously been completed to a 65% level (estimated) by AEI-CASC Consulting, Inc. in 2012, under Work Order #F01272 (65% Plans). The 65% Plans were divided up into separate plan sets: one set for the street crossings, one set for the channel itself, and one set for the railroad portion of the alignment.

Now, the Department would like to reorganize the plans into two sets: one for the construction of Rialto Channel (Channel Project), including all crossings except for Randall Avenue, and one set for the construction of the Randall Avenue crossing alone (Randall Avenue Project). CASC's understanding is that these two sets are to be billed as separate contracts; therefore, plans, specifications, and estimates for each project will be required. CASC also understands that the Department wishes to bid the Randall Avenue Project first.

To meet the Department's needs, CASC has included a project team that includes:

- Mead & Hunt (M&H): structural engineering
- LOR Geotechnical Group, Inc. (LOR): geotechnical engineering
- Bess Testlabs (BESS): utility potholing

The overall scope of services to be provided includes:

- Review and reorganization of the 65% Construction Documents (CASC + Mead & Hunt)
- Additional Field Survey (CASC)
- Geotechnical Investigation (LOR)
- Utility Potholing (BESS)
- Utility Coordination (CASC)
- Agency Coordination (CASC)
- Revised Hydrology and Hydraulics Report (CASC)
- Revised Structural Calculations and Structural Design (M&H)
- 75%, 95%, and 100% Civil Construction Documents (plans, specifications per Department standards, estimates of probable construction cost) signed and stamped, as part of the overall construction document packages: one package for the Randall Avenue Project, and one package for the Channel Project. (CASC, M&H)
- Bidding Support Services (CASC M&H)
- Construction Support Services (CASC M&H)
- Project Management (CASC)

Detailed descriptions of the engineering services are provided in the following scope of services.

SCOPE OF SERVICES

CASC Engineering and Consulting Inc., along with its subconsultants, proposes the following engineering scope of services for the overall project (Randall Avenue Project and Channel Project):

A. PROJECT MANAGEMENT

CASC's Project Manager (PM), a licensed Civil Engineer in the state of California, will work directly with and oversee the design team for the project. He will be responsible for the design and signing the project plans, specifications, and cost estimate. The following items are included in the Project Management scope of work:

- **Project Administration** – CASC's PM will oversee Project Administration. The following items are included:
 - Progress Reports – CASC will prepare bi-weekly progress reports which will include an update on Project milestones.
 - Budgeting – Based on the project scope items and contract fees, the project budget will be reviewed, and staffing support provided. The PM will analyze project status weekly to confirm the Project is within budget.
 - Cost Accounting – The PM will work with CASC Administrative staff in preparing monthly invoices for the County. The PM is responsible for reviewing the hours worked on the project against the milestones for CASC staff and Subconsultants.
 - Scheduling – CASC will provide a schedule for the project. The schedule will identify the scope of work and milestones for the Project. CASC will be responsible for updating the schedule as needed and will be used in preparing the monthly progress reports. Staff will be adjusted accordingly to keep Project on schedule.
- **Meetings and Coordination** – The PM will be the primary point of contact for the County for the duration of the project and represent CASC at meetings with the County and other jurisdictional agencies. The PM will also oversee coordination between CASC and applicable jurisdictional agencies such as City of Rialto and BNSF.
 - Project Design Team (PDT) Meetings – CASC will meet with the Department monthly to review the project, discuss current status, and address issues that may impact the project schedule. Meeting minutes will be issued within three (3) days after the meeting. CASC will obtain status reports from subconsultants prior to the meeting to keep the PDT informed of their progress. CASC assumes that Mead & Hunt will attend half of the meetings to be available to discuss their scope of work.
 - Milestone Meetings – Assumes one (1) two-hour meeting at the following milestones:
 - Project Kick-Off
 - 75% PS&E Review Mtg w/ SBCFCD
 - 75% Introduction Mtg w/ BNSF
 - 75% Introduction Mtg w/ City of Rialto
 - 95% PS&E Review Mtg w/ SBCFCD
 - 95% PS&E Review Mtg w/ BNSF
 - 95% PS&E Review Mtg w/ City of Rialto
 - 100% PS&E review coordination will be addressed electronically. No meetings required.
 - Meeting agenda and minutes will be prepared and distributed to the project team before and after each meeting, respectively.

- Agency Coordination – The PM and CASC's Project Analyst will coordinate with the County and jurisdictional agencies as applicable throughout the duration of the project. Assumes the following budgetary estimates:
 - SBCFCD – 68 hours
 - City of Rialto – 68 hours
 - BNSF – 84 hours

B. GEOTECHNICAL INVESTIGATION

LOR Geotechnical Group, Inc. (LOR) will perform the geotechnical investigation. They have proposed the following scope of work:

- Review of available data developed for the project by the City and any additional reports/plans prepared for the project, if provided.
- Obtain a fee permit from the San Bernardino County Flood Control District for our work in the street and coordinate the boring locations with CASC. At this time, the number of permits that may be required, and the cost for these fees is not known. Thus, the cost of obtaining the permits, as well as the associated fees, will be billed on a time and materials basis. The proposed scope of services has a budget estimate for overall expenses in the fee schedule, which includes required permit fees for the investigation.
- Marking of the boring locations and contacting Underground Service Alert of southern California.
- A total of 28 borings, as requested, to depths of approximately 25 feet or 3 feet below the proposed inverts, or refusal, whichever occurs first. See Attachment A for proposed locations.
- Test selected samples of the subsurface soils to verify the soil classification and determine their various soil engineering properties. Laboratory testing on samples obtained from the borings will include, but not necessarily be limited to: in-place moisture content and density, laboratory compaction characteristics, direct shear, sieve analysis, sand equivalent, R-value, and corrosion. Physical testing will be conducted at our geotechnical laboratory which is Caltrans Certified in proficiency to conduct the necessary testing. Chemical testing and recommendations will be provided by our subconsultant, Project X Corrosion Engineering.
- Evaluate all data developed and formulate recommendations for site development as proposed. This will include the information requested within the provided scope of geotechnical services, as appropriate, shown in Attachment B.
- Prepare a detailed report presenting our findings, conclusions, and recommendations.

C. SURVEY, MAPPING, AND INVESTIGATIONS

1. AERIAL TOPOGRAPHIC MAPPING

CASC will provide a field survey and office calculations as needed to establish horizontal and vertical control and set aerial targets for aerial mapping of the project as depicted within the red border on the below exhibit. Basis of bearing and elevations will be referenced to the latest Record Map and City, County Control and Benchmarks. CASC will provide a topographic manuscript produced from an aerial survey at a scale of 1"=40' with a two-foot contour interval. This scope of work includes office calculations to perform a check of the topographic information received from the Photogrammetrist.

2. DESIGN SURVEY

CASC will provide cross sections at 50-foot intervals of the existing street along Randall Avenue 300' east and west of the Rialto Channel and along the Rialto Channel 100' north and south of Randall which will be used to facilitate design of the connecting improvements.

CASC will locate all existing physical features. Physical features shall include BCR, ECR, flow lines, centerlines, grade breaks, angle points, top of curb, spandrels, pavement striping, utilities, structures, walls, trees and landscape, painted underground and surface utilities, poles, hydrants, catch basins, signs, valves, manholes, and all other physical features as well as inverts of all accessible utilities. Survey info will be compiled into a base map with 1' contours generated.

3. PRELIMINARY TITLE REPORT REVIEW

CASC will perform a review of the project's current preliminary title report and the Schedule "B" documents for property, to identify the record project Right of Way and all plottable and non-plottable easements, existing road dedications and any other site encumbrances identified in the preliminary title report. The preliminary title report will be provided by the Client or by the Client's title company along with the Schedule "B" documents. NOTE: Any fees associated with the preliminary title report will be the Client responsibility.

4. RESEARCH AND BASE MAPPING

CASC will research and review of the project's existing survey documentation. Research will include obtaining record information (tract maps, parcel maps, records of survey and County of San Bernadino Flood Control right of way maps and deeds) at the San Bernardino County Survey and Flood Control Offices. CASC will calculate and establish the record centerlines, right of ways, property line based upon record information obtained from the San Bernardino County Survey and Flood Control Offices. CASC will update the current digital base map.

5. UTILITY POTHOLING

CASC will provide field and office time to stake out and then locate the resultant pothole locations left by BESS.

CASC's consultant BESS will perform utility potholes using air-vacuum excavation at 56 predetermined locations to document the precise horizontal and vertical position of existing utilities within the investigation area. BESS will obtain the permits required to perform potholing. BESS will require a pothole request list identifying the pothole number, horizontal location in coordinate format and the type of utility to be potholed and 2 sets of half size plans (11"x17") with the pothole locations clearly marked and annotated with the corresponding pothole number. Prior to potholing, BESS will mark with white paint the pothole locations as required by the USA service alert and request an excavation ticket. Includes Traffic Control, Traffic Control Plans, Permits, and Pavement Repair, and Project Coordination.

Data collected as a result of potholing activities will be presented in a Portable Document Format (PDF) report that will include: utility type, size, material, depth and pictures of the exposed utility. Pothole locations (in the field) will be marked with wooden lath and ribbon marked with the pothole number, utility size and depth or MAG nail with pertinent utility data annotated on the ground surface. Once the utility data has been collected the pothole will be restored to its previous condition using native backfill and the appropriate surface restoration materials.

6. UTILITY RESEARCH & COORDINATION

CASC will obtain the contact information for the utilities in the project area and send preliminary notices to the utility companies. The initial utility notices will include requests for atlas maps and plans (if available) for verification of existing utilities. After obtaining said documents, or a letter stating that the utility has no lines in the project area, CASC will plot the utilities on the project base map. This base map will be used for reference in the final grading and improvement plans. In addition to the initial notices, CASC will issue utility notices at the 75% and 95% plan stage.

CASC will use the pothole information provided by BESS to identify conflicts with utilities and determine relocations required. CASC will initiate contact with utilities to be relocated and to the utility project planner assigned to schedule the relocation. CASC will stay in contact with the utility planner to pursue a relocation plan that is agreeable to the Department and other affected jurisdictions. CASC assumes that three meetings with the utility planner and affected jurisdiction(s), in addition to coordination time, will be required for each relocation. Costs for utility relocations will be the responsibility of the County.

CASC will maintain a log of contact information and relocation status. The utility log will be provided to the Department at PDT meetings. CASC will use its letterhead for all correspondence with utilities. Department will reimburse CASC for costs incurred to obtain utility atlas maps and records.

D. PRELIMINARY ENGINEERING AND STUDIES

1. REVIEW OF 65% CONSTRUCTION DOCUMENTS

CASC will review the previously prepared Construction Documents (CDs), including the following plan sets and Drainage Study, to determine: (1) the extent of conformance to current agency standards, and (2) potential revisions to the proposed design based on existing site conditions including, but not limited to, grading, drainage, and utility constraints.

- San Bernardino County Flood Control District Plans for Rialto Channel, Drainage Improvements, Willow Ave. to North of Etiwanda, City of Rialto
- San Bernardino County Flood Control District Plans for Rialto Channel, Channel Crossing Street Improvements, Second Street and Rosewood Street, City of Rialto [Phase 1A]
- Flood Control District Plans for Rialto Channel, Channel Crossing Improvements, Randall Ave. and Merrill Ave., City of Rialto [Phase 1]
- San Bernardino County Flood Control District Plans for Rialto Channel, Channel Crossing Improvements, Foothill Blvd, City of Rialto [Phase 2]
- Drainage Improvement Plans, Rialto Channel, Santa Fe Railroad to South of 2nd Street [Phase 3]

2. REVISED HYDROLOGY AND HYDRAULICS REPORT

CASC will update the previously prepared Hydrology and Hydraulics Report to reflect the revised design shown on the updated project construction documents. Changes in hydrologic or hydraulic design parameters and/or analysis results determined as part of this scope of work will be presented in the report. The report will be submitted for reference with each milestone submittal package (75%, 95%, 100%, and Final).

E. RANDALL AVENUE CROSSING - 75%, 95%, 100% CONSTRUCTION DOCUMENTS

CASC will prepare plans, specifications, and cost estimates for the Randall Avenue Crossing Project. Submittals will be made at the 75% stage, following CASC's review and reorganization of the previously prepared 65% plan

sets; the 95% stage following SBCFCD review of the 75% PS&E package; and the 100% stage. The final mylar submittal will be made following the County's approval of the 100% PS&E package. This scope of work assumes the following work products:

1. CONSTRUCTION DRAWINGS

CASC will prepare Construction Drawings for the Randall Avenue Crossing Project on 24" x 36" sheets per Department standards. The base map prepared by CASC which includes existing utilities will be used as the base for the construction drawings. The proposed drawing set will include:

- ✓ Title Sheet
- ✓ Construction Note Sheet
- ✓ Channel Plan & Profile (1"=20' horizontal; 1"=4' vertical)
- ✓ Street Improvement Plan Detail (1" = 10' horizontal, plan view only)
- ✓ Signing and Striping Plan (Randall Avenue from Cactus to Lilac)
- ✓ Structural Details (Box Culvert, Transition Structures per Structural Engineering Task)
- ✓ Detour Plan (Randall Avenue closure assumed)
- ✓ Construction Details

2. SPECIFICATIONS

CASC will provide technical specifications for the project based on the previously prepared set of project specifications. The specifications will be submitted with the plans for review and comment at the 75%, 95%, and 100% milestones.

3. COST ESTIMATES

Cost Estimates will be provided for the Randall Avenue Crossing Project. The estimate will include quantities and unit prices (utilizing current data or site estimating document to obtain prices). The preliminary cost estimate will be submitted with the plans for review and comment at the 75%, 95%, and 100% milestones, and a final cost estimate as part of the Final Submittal.

Deliverables:

- ✓ 75%, 95%, and 100% Submittal to include construction drawings, specification, and cost estimate as described above (unsigned)
- ✓ Final Submittal to include signed and stamped construction drawings on mylar, signed and stamped specifications, and signed and stamped cost estimate as described above

F. RIALTO CHANNEL - 75%, 95%, 100% CONSTRUCTION DOCUMENTS

CASC will prepare plans, specifications, and cost estimates for the Rialto Channel Project. Submittals will be made at the 75% stage, following CASC's review and reorganization of the previously prepared 65% plan sets; the 95% stage following SBCFCD review of the 75% PS&E package; and the 100% stage. The final mylar submittal will be made following the County's approval of the 100% PS&E package. This scope of work assumes the following work products:

1. CONSTRUCTION DRAWINGS

CASC will prepare Construction Drawings for the Rialto Channel Project on 24" x 36" sheets per Department standards. The base map prepared by CASC which includes existing utilities will be used as the base for the construction drawings. The proposed drawing set will include:

- ✓ Title Sheet with Index
- ✓ Construction Note Sheet
- ✓ Survey and Right-of-Way Data
- ✓ Channel Plan & Profile (1"=40' horizontal; 1"=4' vertical) from Willow Avenue to Etiwanda
- ✓ Crossing Details (1"=20' horizontal; 1"=4' vertical):
 - Merrill Avenue
 - Santa Fe Railroad
 - Cactus Avenue
 - Rialto Avenue
 - Bike Trail Crossing (Former R/R Crossing)
 - 2nd Street
 - Foothill Boulevard
 - Etiwanda Avenue
- ✓ Storm Drain Lateral Profiles (1"=20' horizontal; 1"=4' vertical)
- ✓ Structural Details (Per Structural Engineering Task)
- ✓ Street Improvement Plan Details (1" = 10' horizontal, plan view only for all crossings)
- ✓ Stage Construction/Traffic Control Plans (Foothill Boulevard Crossing)
- ✓ Detour Plans
- ✓ Construction Details

2. SPECIFICATIONS

CASC will provide technical specifications for the project based on the previously prepared set of project specifications. The specifications will be submitted with the plans for review and comment at the 75%, 95%, and 100% milestones.

3. COST ESTIMATES

Cost Estimates will be provided for the Rialto Channel Project. The estimate will include quantities and unit prices (utilizing current data or site estimating document to obtain prices). The preliminary cost estimate will be submitted with the plans for review and comment at the 75%, 95%, and 100% milestones, and a final cost estimate as part of the Final Submittal.

Deliverables:

- ✓ 75%, 95%, and 100% Submittal to include construction drawings, specification, and cost estimate as described above (unsigned)
- ✓ Final Submittal to include signed and stamped construction drawings on mylar, signed and stamped specifications, and signed and stamped cost estimate as described above

G. STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

CASC will prepare two separate Stormwater Pollution Prevention Plans (SWPPPs): one for the Rialto Channel Project and one for the Randall Avenue Crossing Project. The SWPPPs will be prepared in accordance with the

California Construction General Permit (NPDES Permit No. 2009-0009-DWQ as amended by 2010-2014-DWQ and 2012-0006-DWQ), using the current CASQA template (December 2019). The SWPPPs will be prepared by a Qualified SWPPP Developer (QSD) and will be a part of the 95% and 100% submittals described in Paragraph I above. CASC assumes that the County of San Bernardino will prepare the Notice of Intent (NOI) and upload the required documents to the California Stormwater Multiple Application and Report Tracking System (SMARTS), prepare annual reports, and file the Notice of Termination at the conclusion of the project.

Deliverables:

- ✓ Stormwater Pollution Protection Plan (SWPPP) for Rialto Channel using the CASQA template (95% and 100% Submittals)
- ✓ Stormwater Pollution Protection Plan (SWPPP) for Randall Avenue Crossing using the CASQA template (95% and 100% Submittals)

H. STRUCTURAL ENGINEERING (MEAD & HUNT)

Mead & Hunt will provide structural engineering services for the Rialto Channel Project. Based on discussions with CASC, Mead & Hunt proposes to perform the following tasks:

- ✓ Review of 65% design documents and structural calculations.
- ✓ Conduct a site visit to observe site conditions.
- ✓ Coordinate with a geotechnical engineer (facilitated by CASC) for the completion of the geotechnical design parameters to be used in the structural and civil engineering.
- ✓ Complete a Design Criteria document to be reviewed by CASC
- ✓ Complete structural calculations, drawings, and details for:
 - Five (5) different sized double-cell cast-in-place concrete culverts.
 - Two (2) different sized single-cell cast-in-place concrete culverts.
 - One (1) cast-in-place culvert under a railroad crossing.
 - Six (6) different rectangular shaped channel lining sections.
 - Three (3) different trapezoidal shaped channel lining sections.
 - Several different culvert to channel transitions.
- ✓ A preliminary drawing sheet list is as follows:
 - Randall Avenue Crossing:
 - S-1: General and Structural Notes.
 - S-2: Typical structural details for water containing concrete structures.
 - S-3: Typical structural details for water containing concrete structures.
 - S-4: Double-Cell Box Culvert sections, table, and details.
 - S-5: Channel lining and two (2) different transitions
 - Rialto Channel:
 - S-1: General and Structural Notes.
 - S-2: Typical structural details for water containing concrete structures.
 - S-3: Typical structural details for water containing concrete structures.
 - S-4: Double-Cell Box Culvert sections, table, and details.
 - S-5: Single-Cell Box Culvert sections, table, and details.
 - S-6: Single-Cell Box Culvert sections, table, and details.
 - S-7: Box Culvert under the railroad crossing.
 - S-8: Rectangular Channel lining sections, table, and details.

- S-9: Trapezoidal Channel lining sections, table, and details.
- ✓ Assist CASC in developing Design Specifications for each project:
 - Completion of Division 03 (Concrete) and 05 (Steel) specifications.
 - Collaboration on other Division specifications as needed.
- ✓ Construction cost estimate for structural design items for each project.
- ✓ Participate in detailed design coordination meetings and perform project management.

I. BID PHASE SUPPORT

CASC and Mead & Hunt shall respond to bidder requests for clarification during the advertising and bidding phase of each project. If required, CASC and Mead & Hunt will assist the Department in preparing addenda. CASC assumes up to five (5) requests for clarification and one (1) addendum for the Randall Avenue Crossing project. For the Rialto Channel project, CASC assumes up to ten (10) requests for clarification and two (2) addenda.

J. CONSTRUCTION PHASE SUPPORT

CASC and Mead & Hunt shall provide construction phase support for each project per the following scope of services:

1. Randall Avenue Crossing:

- Review and respond to up to twenty (20) contractor submittals
- Review and respond to up to twenty (20) requests for information (RFIs)
- One (1) site visit from Mead & Hunt personnel
- Up to four (4) site visits from CASC personnel
- Participation in up to two (2) design team meetings (each for CASC and Mead & Hunt)

2. Rialto Channel:

- Review and respond to up to eighty (80) contractor submittals
- Review and respond to up to eighty (80) requests for information (RFIs)
- Up to nine (9) site visits from Mead & Hunt personnel
- Up to twenty (20) site visits from CASC personnel
- Participation in up to twelve (12) design team meetings (each for CASC & Mead & Hunt)

K. EXPENSES

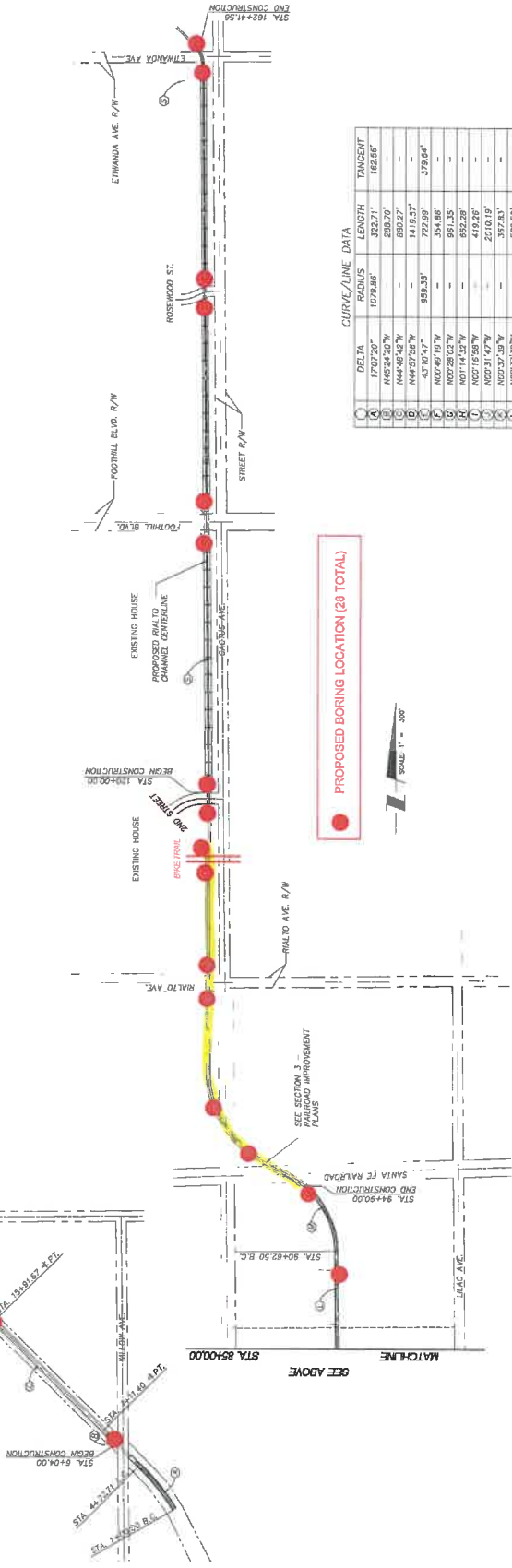
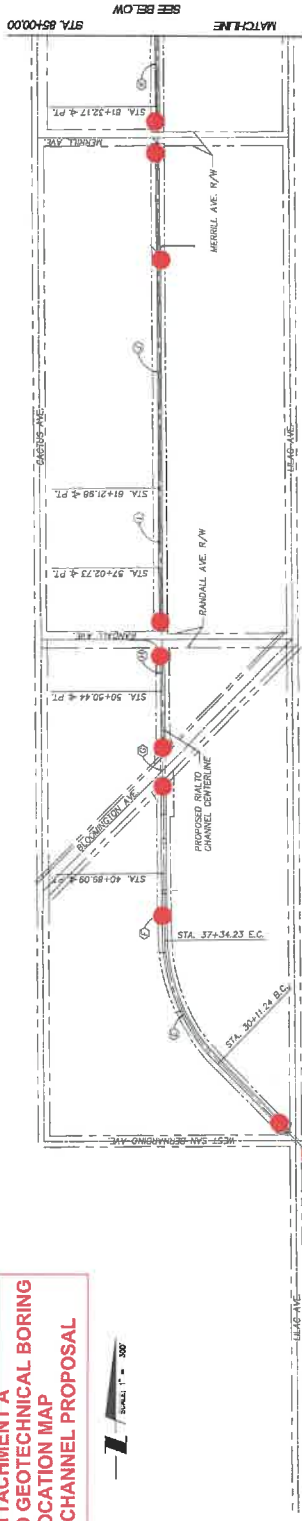
At the Department's request, this proposal includes a line item for expenses including associated fees related to utility research, potholing, field investigations, etc. Expenses will be invoiced to the Department at cost plus 15%. Expenses do not include deposits and costs to relocate utilities. Such costs and deposits are to be paid directly by the County of San Bernardino.

L. EXCLUSIONS

The following services are not included in this proposal:

- Alternatives Analysis
- Environmental Clearances
- Public Outreach – meetings, exhibits, mailings, and other communications
- Services related to property acquisitions, including appraisals

ATTACHMENT A
PROPOSED GEOTECHNICAL BORING
LOCATION MAP
RIALTO CHANNEL PROPOSAL



PROPOSED BORING LOCATION (28 TOTAL)

CURVE/LINE DATA			
Δ	DELTA	RADIUS	LENGTH
1	170°20'	1079.86'	322.71'
2	145°24'20"	—	235.70'
3	144°48'42"	—	890.27'
4	144°27'26"	—	1419.57'
5	143°57'00"	989.35'	1775.64'
6	140°19'10"	—	354.88'
7	100°28'02"	—	861.35'
8	101°14'25"	—	652.28'
9	102°16'50"	—	419.26'
10	102°31'47"	—	2716.19'
11	102°37'29"	—	397.83'
12	102°37'29"	—	397.83'
13	61°43'06"	466.68'	524.25'
14	102°33'13"	—	4153.09'
15	45°56'15"	186.09'	86.47'
16	—	—	70.39'

BASIS OF BEARING:
CENTERLINE OF CACTUS AVENUE AS MEASURED BETWEEN SAN BERNARDINO COUNTY SURVEYOR'S OP'S CONTROL POINTS 20742 AND 20148 NAD 83, ZONE 5, EPOCH 1982.9

BENCH-MARK:
BORE PIN #/C.S. TAG IN CURB AT NORTHEAST CORNER OF FOOTHILL BLVD. AND CACTUS AVENUE. IN TOP AND 3.2 FEET SOUTH OF NORTH END CURB RETURN.
NOD-20 ZONE 5
1,273.11

PRELIMINARY
NOT FOR CONSTRUCTION

CITY OF RIALTO CITY ENGINEER _____ DATE _____ REC. 14668		SAN BERNARDINO COUNTY FLOOD CONTROL DISTRICT RIALTO CHANNEL SURVEY AND RIGHT-OF-WAY DATA SHEET NO. 2A of 23	
DESIGNED BY: A.M.T. O.S. C.V.A. PLANS PREPARED UNDER THE SUPERVISION OF:		SUBMITTED BY: _____ CHECKED BY: _____ RECOMMENDED BY: _____ APPROVED BY: _____ DATE: _____	
REVISIONS MARK DATE DESCRIPTION		REVISIONS MARK DATE DESCRIPTION	

AEI/CASC
CONSULTING
5023 LA WARE DRIVE
RIVERSIDE, CA 92507
PH. (951) 342-7990 FAX. (951) 274-0159

ATTACHMENT B
SCOPE FOR RIALTO CHANNEL
GEOTECHNICAL INVESTIGATIONS AND REPORTS

The following list of general information provided in the Geotechnical report should include but not be limited to the following:

A. Site Conditions

1. Suitability of the site for the type of construction, structures, and foundations proposed.
2. Geological description and history of the site.

B. Seismicity

1. Earthquake occurrence probability.
2. Response spectra in accordance with the 2019 California Building Code (CBC) and ASCE 7-16.
3. Effective maximum Peak Ground Acceleration (PGA_{max})
4. Potential for liquefaction and recommendations for liquefaction mitigation.
5. Increase in lateral soil pressure due to seismic forces.
6. Potential for on site surface rupture.
7. Potential for damage to pipelines and features which connect to structures.
8. History of seismic events and locations of faults in the area.
9. The following CBC (ASCE 7-16) Seismic coefficients are to be provided:
 - Short Period Acceleration, S_s
 - 1 second Period Acceleration, S_1
 - Soils Site Class
 - Site Coefficient, F_a
 - Site Coefficient, F_v
 - Maximum Credible Earthquake (MCE)

If applicable, as stated in ASCE 11.4.8 a site response analysis and/or a ground motion hazard analysis shall be performed in accordance with ASCE section 21.1 and 21.2.

C. Factual Geotechnical Data

1. Sampling and test methods.
2. Soil boring and test pit logs.

ATTACHMENT B
SCOPE FOR RIALTO CHANNEL
GEOTECHNICAL INVESTIGATIONS AND REPORTS

- a. Soil types
 - b. Penetration test by blow counts
 - c. Phreatic water surface elevations
 - d. Piezometric water surface elevations, number and frequency of observations
3. Test well pumping data.
4. Laboratory test results.
 - a. Visual classifications
 - b. Moisture content
 - c. Grain size analysis
 - d. Plastic properties
 - e. Unit weights
 - f. Compaction test
 - g. Compression test
 - h. Consolidation test
5. Site map showing locations of all field samples and instrumentation.
 - a. Expansive clays
 - b. Landslide potential, soil or bedrock instability, weak planes, sink holes, etc.
 - c. Caliche
 - d. Peat or pockets of weak, highly compressible soil.
 - e. Collapse potential

D. Ground Water Recommendations

1. Potential for encountering ground water.
2. Maximum design ground water surface elevation.
3. Recommendation on buoyant weight of submerged soil and volume of soil above foundations, considering shear angle, to be considered for resisting hydrostatic uplift.
4. If the elevation of the ground water is high, seepage rates for structure underdrains.

E. Site Preparation Recommendations

1. Methods, equipment, and level of effort needed to perform excavations.
2. Fill and backfill materials, compaction and methods of placement.
3. Preparation of excavated surfaces for placement of foundations.

ATTACHMENT B
SCOPE FOR RIALTO CHANNEL
GEOTECHNICAL INVESTIGATIONS AND REPORTS

4. Depth of aggregate base/drainrock to be placed over subgrade.
5. Temporary excavation slope during construction.
6. Permanent fill and cut slopes and drainage recommendations for the slopes.
7. Feasibility of dewatering the site for construction. (Note: Since dewatering is the Contractor's responsibility, the study should confirm feasibility, but not recommend any single dewatering method.)

F. Design Recommendations for Pipelines

G. Pavement Design Considerations

H. Soil Corrosivity Design Considerations

1. Soil resistivity values for pipeline alignments.
2. Sulfate, chloride, and pH content of the soils.
3. Recommendations on reducing sulfate exposure on concrete structures and on the cement type to be used.
4. Influence of other cathodically protected pipelines or structures.
5. Influence of high voltage electrical transmission lines, electrically powered transportation facilities, and DC power lines.

I. Design Recommendations for Structures

1. Active lateral soil pressures on cantilever walls, above and below the ground water surfaces.
2. At-rest lateral soil pressures on walls prevented from deflecting (non-yielding), above and below the ground water surface.
3. Active Seismic lateral soils pressure on cantilever walls, above and below ground water surfaces, including the shape of the loading and resultant location as a value of wall height.
4. At-Rest Seismic lateral soils pressure on walls prevented from deflecting (non-yielding), above and below ground water surfaces, including the shape of the loading and resultant location as a value of wall height.
5. Effects of surcharge load on lateral soil pressures on walls due to adjacent foundations and traffic (HS20).
6. Passive soil pressures resisting lateral forces. Provide ultimate value or allowable (working) value with assumed safety factor.

ATTACHMENT B
SCOPE FOR RIALTO CHANNEL
GEOTECHNICAL INVESTIGATIONS AND REPORTS

7. Friction value between soil and footings. Provide ultimate value or allowable (working) value with assumed safety factor.
 8. Design bearing pressures under foundations for DL+LL and DL+LL+seismic/wind conditions, with corresponding anticipated settlements.
 9. Unit weight of compacted backfill.
 10. Anticipated differential settlements for each structure. Consider that multicelled water containing structures can have some or all cells full or empty in varying combinations.
 - a. Methods of reducing the amount of anticipated settlements and differential settlements.
 11. Coefficient of subgrade reaction for mat foundations.
 12. Drainage requirements for buried wall surfaces and beneath buried structures.
 13. General foundation recommendations:
 - a. Minimum plan dimensions for spread footings.
 - b. Depth of embedment below finished grade.
 - c. Special conditions such as change in soil conditions across a structure, large differences in foundation elevations (need for stepped footings), etc.
 14. If required, alternate foundation systems - Piles and Piers:
 - a. Recommendation on the necessity of piles or piers versus standard foundation.
 - b. Design bearing and lateral capacity values for pile and pier capacities including adjustment for downdrag.
 - c. Recommended pile tip elevations for piles, and embedment into bedrock for piers.
 - d. Specifications for design and construction of piles and/or piers.
- J. Review of Earthwork Specifications and Design Drawings**
1. General review comments.
 2. Review of conformance to the geotechnical report recommendations.
 3. Review for local code or regulation requirements.

EXHIBIT “B”

RIALTO CHANNEL AND RANDALL AVENUE CROSSING

Note - Please see attached sheets for detailed estimate for subconsultants. The fee shown hereon is the subconsultants proposals marked up 15%

Note - Please see attached sheets for detailed estimate for subconsultants. The fee shown hereon is the subconsultants proposals marked up 15%



COST ESTIMATE

STRUCTURAL ENGINEERING SUPPORT FOR RIALTO CHANNEL CROSSINGS

PHASE	DESCRIPTION	HOURS	FEE
1	Preliminary Engineering		
	- Document Collection and Review	40	\$7,854.00
	- Site Visit	16	\$4,854.00
	- Geotech, Engineering Coordination and Design	120	\$25,787.00
2	Randall Crossing Detailed Engineering and Design		
	- 75% Design Engineering and Review	50	\$7,175.71
	- 95% Design Engineering and Review	38	\$5,734.65
	- 100% Finalize Detailed Engineering & Design	34	\$4,527.15
	- QCIP, Specs and Construction Cost Estimate	70	\$13,174.49
3	Channels Detailed Engineering and Design		
	- 75% Design Engineering and Review	110	\$15,361.44
	- 95% Design Engineering and Review	110	\$15,361.44
	- 100% Finalize Detailed Engineering & Design	106	\$14,342.97
	- QCIP, Specs and Construction Cost Estimate	96	\$20,219.15
4	Randall Crossing Construction Support		
	- Meetings, Submittal and RFI Reviews, Support	88	\$15,138.00
5	Channels Construction Support		
	- Meetings, Submittal and RFI Reviews, Support	647	\$111,121.00
6	Project Administration		
	- Project Management and Accounting	132	\$27,875.00
	Expenses		\$7,095.00
TOTALS		1,657	\$295,591

Description	Estimated Quantity	Per Unit	Extended Cost
FIELD			
Staff Engineer: Mark Borings	6	\$130/hour	\$780.00
Project Engineer/Geologist	48	\$155/hour	\$7,440.00
Mobile B61 Drill Rig and Crew	48	\$310/hour	\$14,880.00
San Bernardino County Flood Control Permit(s)	1	T & M	T & M
Sub-Total:			\$23,100.00
LABORATORY			
Moisture Content/Dry Density	170	\$30/each	\$5,100.00
Laboratory Compaction Characteristics	9	\$170/each	\$1,530.00
Direct Shear	12	\$240/each	\$2,880.00
Sieve Analysis	12	\$100/each	\$1,200.00
Sand Equivalent	12	\$110/each	\$1,320.00
R-value	4	\$320/each	\$1,280.00
Corrosion Testing (14) and Report	1	\$3,960/each	\$3,960.00
Sub-Total:			\$17,270.00
OFFICE			
Clerical	12	\$75/hour	\$900.00
Drafting	6	\$90/hour	\$540.00
Project Engineer	24	\$155/hour	\$3,720.00
Principal Engineer	6	\$300/each	\$1,800.00
Sub-Total:			\$6,960.00
COST*:			\$47,330.00
* Does not include obtaining permit and the associated fees			

Bess Testlabs, Inc. Cost Proposal

December 23, 2021

area(s) of utility investigation services. BESS field crews will use a combination of water-based paint and pin flags (in the appropriate APWA color) to mark the results of our investigation on the ground surface. BESS will compare any available utility record information (supplied by client) with the results of field investigation services to ensure all utilities have been accounted for. Utilities not identifiable by BESS field crews due to lack of utility record information or above ground appurtenances will be marked with pink paint on the ground surface and annotated as "Unknown" on project deliverables.

Gravity lines such as sewer, storm sewer, irrigation, etc., typically cannot be located using the above methods due to lack of tracer wire or depth of the utility being beyond the limitations for GPR. In the event we cannot locate these utilities and precise location and depth is needed, vacuum excavation (potholing) or CCTV pipeline inspection would be required and can be provided for an additional fee.

Exclusions

The following are specifically excluded from our scope of services:

- Engineer Stamped Traffic Control Plans
- Complex traffic control and traffic calming devices beyond the use of arrow boards, traffic cones and advanced warning signage, to include but not limited to:
 - A. Message boards
 - B. Police Officers
 - C. Attenuators
 - D. Traffic Barrels
 - E. Concrete Barricades
 - F. Flaggers
- Removal of locate and/or USA markings
- Additional utility potholes and/or crew hours without written approval
- Special backfill and/or asphalt restoration requirements (e.g., hot patch asphalt, half-sack slurry, aggregate base backfill...etc.)
- Any services not specifically addressed within the Scope of Services above without written approval.)

Fee Proposal

BESS proposes to perform the above referenced scope of services for the lump sum of \$72,840.00, broken down as follows.

▪ Utility Potholing	\$33,600.00
▪ Traffic Control	\$13,540.00
▪ Project Coordination	\$1,500.00
▪ Traffic Control Plans	\$1,200.00
▪ Permits	\$1,400.00
▪ Pavement Repair (Hotpatching if Necessary)	\$21,600.00

Rates used for fees above are: ☐ Standard ☒ Prevailing Wage ☐ Night Rate ☐ Weekend Rate ☐ Overtime

Requests for additional services by written approval will be billed on a time and materials basis according to the attached fee schedule or based upon an approved scope and fee amendment.

Rates and Reimbursable Expenses

- Overtime applies after 8 hours of work and weekends.
- Hourly rates are portal to portal from our nearest office, unless specified otherwise.
- Hourly rates apply to day shift (typical BESS day shift hours are 7:00 AM to 3:30 PM).
- Prevailing wage and night rates will apply when necessary.
- Mileage expenses, if applicable, shall not exceed the rate established by the IRS for the current year.

