



Contract Number

25-531

SAP Number

Project and Facilities Management

Department Contract Representative Telephone Number Don Day (909) 387-5000

Contractor Twining, Inc.
Contractor Representative Michael Molina
Telephone Number (951) 552-0031
Contract Term June 18, 2025 to May 22, 2028
Original Contract Amount Not-to-exceed \$2,000,000
Amendment Amount
Total Contract Amount Not-to-exceed \$2,000,000
Cost Center
Discipline Name On Call Professional Services - Special Inspection and Material Testing

IT IS HEREBY AGREED AS FOLLOWS:

ARTICLE 1. THE PROJECT

1.1 Scope of Work

County does hereby engage Consultant to perform for the San Bernardino County under the terms and conditions in this Contract all Consultant services relative to Special Inspection and Material Testing per the County's Request for Proposal dated February 28, 2025, and Appendix A, Consultant Scope of Work (the Project). The Consultant Scope of Work shall be incorporated into this Contract in its entirety. (See Appendix A, Consultant Scope of Work.) Consultant shall not perform any services not specifically provided for in this Contract, including Appendix A, Consultant Scope of Work, without prior approval of County.

1.2 Total Contract Amount

The total Contract amount, as determined by County, shall not exceed \$2,000,000 through the life of this Contract, subject to any amendments.

1.3 Schedule of Services

The Consultant shall perform services customarily and typically rendered in the field Special Inspection and Material Testing to affect all necessary and requested tasks as assigned, including but not limited to, those services as outlined in Article 3 of this Contract and shall duly perform those tasks as diligently as practical, to the reasonable and satisfactory expectation of the County and as agreed upon in a written purchase order issued by the County for each project.

1.4 Consultant's Fees

- a. County agrees to pay Consultant, based on the fee schedule submitted with their proposal, made a part of this Contract as Appendix B, Consultant Rate Sheet, and the actual work performed as requested and approved by the County through a County issued purchase order. The total contract amount shall not exceed \$2,000,000 for the term of this Contract. Consultant shall be paid based on Article 4 – Compensation of this Contract and the attached Fee Schedule (Appendix B, Consultant Rate Sheet).
- b. If the County terminates this Contract at any time prior to the completion of any phase, the Adjusted Consultant's fee will be determined based on the actual work completed in that phase. If Consultant is working on multiple phases simultaneously, payment shall be made based on percentage of work completed on each individual phase.
- c. If the scope of an issued work order is revised (either increased or decreased), the fee shall be revised by negotiation between the County and Consultant before the revised work is performed. No additional work will be paid for by the County without prior written authorization and the total fee mutually agreed upon in advance.

ARTICLE 2. DEFINITIONS

- 2.1 Appropriate Authorities - Any private, local, municipal, county, state, regional, or federal authority, public utility or other agency.
- 2.2 Approved Final Construction Cost Estimate – The estimate of construction costs approved by the County at the time the drawings, details, and specifications are completed.
- 2.3 Project and Facilities Management Department (or Department) - The Department of the County authorized by the Board to administer this Contract.
- 2.4 Board - Board of Supervisors of the San Bernardino County.
- 2.5 Chief of Project Management – Chief of Project Management of the Project and Facilities Management Department, San Bernardino County.
- 2.6 Construction Budget - Funding in place, for the complete construction of the Project, as established by the County.
- 2.7 Construction Contract – A contract prepared by the County and approved by the Board to perform the actual construction of the Project.
- 2.8 Construction Contract Documents - The Construction Contract and all Project documents designated in the Construction Contract as part of the Construction Contract, including working drawings, addenda, specifications, general conditions and special conditions of the Construction Contract.
- 2.9 Construction Documents – The drawings, specifications, estimates, and other data Consultant will provide for a Project as more fully described in Article 3 or an individual purchase/work order.

- 2.10 County - San Bernardino County, and its authorized representatives.
- 2.11 Department – Project and Facilities Management Department, San Bernardino County.
- 2.12 Director – Director of the Project and Facilities Management Department, San Bernardino County.
- 2.13 Project – The project includes all necessary design, construction, testing, inspection and management necessary to complete the project.
- 2.14 Project Construction Cost Estimate - The Consultant's dated, itemized estimate, including the Itemized Categories of Work, of the entire Project's current cost, escalated to the proposed mid-point of construction.
- 2.15 Project Manager - The County Employee, designated by the Director, responsible for the administration of this Contract.
- 2.16 Project Consultant - Person, designated by Consultant and approved by County, responsible for Consultant's work.
- 2.17 Consultant - Entity hired by County, based on competence and related experience, to perform work described herein.
- 2.18 Work Order – The document describing the scope of work Consultant must provide to County, the time to complete the scope of work, and the maximum compensation to be paid Consultant for the scope of work. The work order will generally be part of the purchase order authorizing Consultant to proceed with a specific scope of work.

ARTICLE 3. BASIC SERVICES OF CONSULTANT

- 3.1 See Appendix A – Consultant Scope of Work

ARTICLE 4. COMPENSATION

- 4.1 The County shall compensate the Consultant at a negotiated fee per project/task that is determined and authorized in advance of such work being performed based on a time and materials basis that will utilize the Consultant's Fee Schedule (Appendix B, Consultant Rate Sheet) and as presented on itemized invoices. Each Work Order shall identify specific work required, designate the method of compensation and shall be approved by the County.
- 4.2 Consultant shall include in the invoice a description of work accomplished per each individual project assigned, and itemize such work accomplished to include labor hours per classification of employees performing the work, travel costs, tests performed, incidental costs and reimbursable costs (per fee schedule as shown in Appendix B, Consultant Rate Sheet).
- 4.3 Maximum compensation under the Contract shall not exceed \$2,000,000 for the term of the Contract.
- 4.4 **Consultant acknowledges that this Contract is for on-call services and that the Consultant serves at the pleasure of the County. Therefore, the Consultant is not guaranteed or implied to receive any minimum amount of work or compensation as a result of this Contract.**
- 4.5 Rent, utilities, word processing, in-house courier, local telephone charges, office supplies, support staff, local area travel within a 100 mile radius of the San Bernardino County's Government Center, lodging (unless preapproved by a Project and Facilities Management Department representative), meal expenses, time spent to provide necessary information for County audits or billing inquires, and all other expense items related to the provision of Consultant's services are not included in the fee negotiated per Section 4.1 and will not be reimbursed by County.

- 4.6 Consultant shall provide County itemized monthly invoices, in arrears, for services performed under this Contract within twenty (20) days of the end of the previous month. County will authorize payment to Consultant no later than sixty (60) calendar days after receipt of completed invoice that is acceptable and satisfactory to the County.
- 4.7 County 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 County shall only pay for any State or local sales or use taxes on the services rendered or equipment and/or parts supplied to the County pursuant to the Agreement.
- 4.8 The County reserves the right to seek proposals from multiple firms for projects where legally required, including but not limited to when required to meet federal and/or state funding requirements. Firms may be selected based on lowest price, if legally required by the funding source.

ARTICLE 5. - PAYMENT BY ELECTRONIC FUND TRANSFER

Consultant shall accept all payments from County 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 County required to process EFT payments.

ARTICLE 6. RECORDS

All records relating to the Consultant's personnel, Consultants, Extra Services and reimbursable expenses, pertaining to the Project shall be kept in a generally acceptable accounting format and shall be available to the County upon request and shall be maintained by Consultant for not less than three (3) years after the Notice of Completion is filed.

Consultant shall maintain all records and books pertaining to the delivery of services under this Contract and demonstrate accountability for contract performance. County shall have the right upon reasonable notice and at reasonable hours of business to examine and inspect such records and books.

All records relating to the Consultant's personnel, consultants, subconsultants, Service/Scope of Work and expenses pertaining to this Agreement shall be kept in 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.

ARTICLE 7. COUNTY RESPONSIBILITIES

The County is responsible to the extent reasonably possible to provide/perform the following:

- 7.1 Project Budget and information relating to facility requirements, and Project scheduling.
- 7.2 Access to sites for the purpose of gathering or collecting data, performing tests, or inspections.
- 7.3 Soils investigation, topographic survey and recommendations, as deemed necessary by County.
- 7.4 Existing maps, boundaries, facility plans, operational or previous project reports, blank forms, and any other available documents or items required by Consultant for the satisfactory performance under this Contract that may be available.
- 7.5 Reproduction of final drawings and specifications for bidding.

- 7.6 Notify the Consultant in writing of County procedures required and name the County representative authorized to act on its behalf. County shall review documents submitted by the Consultant and shall promptly render decisions pertaining thereto to avoid unreasonable delay in the progress of the Project.
- 7.7 Nothing in this Contract nor any act or failure to act on the part of the County shall be construed as a waiver of claim by County for any defects or deficiencies in the plans, reports or interpretative conclusions drawn by tests or observations conducted and performed by Consultant. Consultant is responsible to determine the accuracy of all documents used and incorporated into its work.

ARTICLE 8. DOCUMENTS

All plans, specifications, data, products, graphics, computer programs, reports and other documents prepared by Consultant pursuant to this Contract shall become and remain the property of County. All such items shall be delivered to the County upon completion of the work under the Contract or termination of the Contract. Consultant and County shall retain reproducible copies of all documents for not less than three (3) years after the Notice of Completion is filed.

All artwork, proofs and/or negatives in either print or digital format for a project are the property of the San Bernardino County. These items must be returned to the San Bernardino County within ten (10) days, upon written notification to the Consultant. In the event of a failure to return the documents, the County is entitled to pursue any available legal remedies. In addition, the Consultant will be barred from all future solicitations, for a period of at least six (6) months.

County 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 specifications, 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 as the funding agency and Consultant as the creator of the materials. 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 State or in any other country without the express written consent of County. Copies of all educational and training materials, curricula, audio/visual aids, printed material, and periodicals, assembled pursuant to this Agreement must be filed with the County prior to publication.

ARTICLE 9. TERMINATION OR SUSPENSION OF CONTRACT

- 9.1 County reserves and has the right and privilege of canceling, terminating, suspending or abandoning the Contract or the execution of any work in connection with this Contract at any time upon written notice to the Consultant. The Director of the Project and Facilities Management Department is authorized to exercise the County's rights with respect to any termination or suspension of this Contract. The Consultant may terminate this Contract upon 30 days written notice to County, should the County substantially fail to perform in accordance with its responsibilities. Upon receipt or giving of such notice of termination, Consultant shall provide no further services to County without specific request or authorization of the County.
- 9.2 In the event of any termination, all finished and unfinished design and research documents, data, studies, surveys, drawings, maps, models, photographs and reports prepared by the Consultant shall, at the option of the County, become the property of the County.
- 9.3 In the event of any termination, County shall pay to Consultant as full payment for all services performed and all expenses incurred under this Contract the sum due and payable, as determined by County. In ascertaining the services actually rendered hereunder up to the date of termination of this Contract, consideration shall be given to completed work and work in progress, whether delivered to County or in possession of Consultant.

9.4 If, after payment of the amount required to be paid under this Article 9, Termination or Suspension of Contract, following the termination of the Contract, County should decide to complete the original Project, (or substantially the same Project), County shall have the right of utilization of any original tracings, drawings, calculations, specifications, estimates and other documents and research studies prepared under this Contract by Consultant who shall make them available to County.

ARTICLE 10. INDEMNIFICATION

For “design professional services” as defined in Civil Code section 2782.8, the following indemnification paragraph applies: **“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 design professional.”**

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

ARTICLE 11. INSURANCE

11.1 **Insurance:** The Consultant agrees to provide insurance set forth in accordance with the requirements herein. If the Consultant uses existing coverage to comply with these requirements and that coverage does not meet the specified requirements, the 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, the Consultant shall secure and maintain throughout the contract term the following types of insurance with limits as shown:

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

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

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

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

- (f) Contractual liability.
- (g) \$2,000,000 general aggregate limit.

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

- d. **Professional Liability** – Professional Liability Insurance with limits of not less than one million (\$1,000,000) per claim or occurrence and two million (\$2,000,000) aggregate limits
or
Errors and Omissions Liability Insurance with limits of not less than one million (\$1,000,000) and two million (\$2,000,000) aggregate limits
or
Directors and Officers Insurance coverage with limits of not less than one million (\$1,000,000) shall be required for Contracts with charter labor committees or other not-for-profit organizations advising or acting on behalf of the County.

If insurance coverage is provided on a “claims made” policy, the “retroactive date” shall be shown and must be before the date of the start 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.

- e. **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.

- f. ***Environmental Contracts - In addition to the Basic Requirements/Specifications for all Contracts, any contract that involves the use, handling, transportation, storage, abatement, containment or testing of any substance that is potentially toxic or hazardous to the environment, including but not limited to, those listed as hazardous by the United States Department of Transportation or the CAL OSHA “Director’s list of Hazardous Substances” or listed as radioactive by the Nuclear Regulatory Commission, shall have the following additional requirements:***

- a. Environmental Liability Insurance with a combined single limit of not less than five million (\$5,000,000) per claim or occurrence and a separate aggregate for the contract project. The required additional insured endorsement shall protect the County without any restrictions.
- b. If insurance coverage is provided on a “claims made” policy, the “retroactive date” shall be shown and must be before the date of the start 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.

- 11.2 Additional Insured - All policies, except for the Workers’ Compensation, Errors and Omissions and Professional Liability policies, shall contain endorsements naming the County and its officers, employees, agents and volunteers as additional insureds 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.

- 11.3 Waiver of Subrogation Rights - The Consultant shall require the carriers of required coverages to waive all rights of subrogation against the County, its officers, employees, agents, volunteers, consultants and subconsultants. All general or auto liability insurance coverage provided shall not prohibit the Consultant and Consultant's employees or agents from waiving the right of subrogation prior to a loss or claim. The Consultant hereby waives all rights of subrogation against the County.
- 11.4 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.
- 11.5 Severability of Interests - The 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 the Consultant and the County or between the County and any other insured or additional insured under the policy.
- 11.6 Proof of Coverage - The 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, the 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.
- 11.7 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".
- 11.8 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.
- 11.9 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, the County has the right but not the obligation or duty to cancel the contract or obtain insurance if it deems necessary and any premiums paid by the County will be promptly reimbursed by the Consultant or County payments to the Consultant will be reduced to pay for County purchased insurance.
- 11.10 Insurance Review - Insurance requirements are subject to periodic review by the 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 the 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 the 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 the County to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of the County.

ARTICLE 12. SUCCESSORS AND ASSIGNS

- 12.1 This Contract shall be binding upon County and Consultant and their respective successors and assigns.
- 12.2 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 County.
- 12.3 Death or Incapacity: If the Consultant transacts business as an individual, his death or incapacity shall automatically terminate this Contract as of the date of such event, and neither he nor his estate shall have any further right to perform hereunder, and County shall pay him or his estate the compensation payable under Article 4, Compensation, for any services rendered prior to such termination not heretofore paid, reduced by the amount of additional costs which will be incurred by County by reason of such termination. If there be more than one Consultant and any one of them die or become incapacitated and the others continue to render the services covered herein, the County will make payment to those continuing as though there had been no such death or incapacity and the County will not be obliged to take any account of the person who died or became incapacitated or to make any payments to such person or his estate. The provision shall apply in the event of progressive or simultaneous occasions of death or incapacity among any group of persons named as Consultant herein, and if death or incapacity befalls the last one of such group before this Contract is fully performed, then the rights shall be as if there had been only one Consultant.

ARTICLE 13. NOTICES

Any notice, demand, request, consent, approval, or communication that either party desires or is required to give to the other party or any other person shall be in writing and either served personally, or by facsimile, or sent by prepaid, first-class mail. Any notice, demand, request, consent, approval, or communication that either party desires or is required to give to the other party shall be addressed to the other party at the address set forth below. Either party may change its address by notifying the other party of the change of address. Notice shall be deemed communicated two (2) County working days from the time of mailing if mailed as provided in this paragraph.

Consultant's address: Twining, Inc.
111 Main Street, Unit A
Riverside, CA 92501

County's address: Project and Facilities Management Department
620 South E Street
San Bernardino, CA 92415-0184

ARTICLE 14. FEDERAL GRANTS, STATE GRANTS, PARTICIPATION

All records pertaining to services provided by Consultant under this Contract shall be available for examination and audit by County, Federal and State representatives for a period of three years after filing of the Notice of Completion or until all pending County, State and Federal audits are completed or until all pending litigation is completed, whichever is later. All records pertaining to services provided by Consultant under this Contract shall be retained locally and made available upon the County's reasonable advance written notice to Consultant or turned over to County. Consultant shall comply with federal and/or state requirements as to work hours, overtime compensation, nondiscrimination, and contingent fees.

ARTICLE 15. EMPLOYMENT DISCRIMINATION

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

ARTICLE 16. WAIVER

Consultant shall not be relieved of liability to the County for damages sustained by the County by virtue of any breach of the Contract by Consultant, and County may withhold any payments to Consultant for the purpose of set-off until such time as the exact amount of damages due County from Consultant is determined. The waiver by either party or any breach to this Contract shall not constitute a waiver as to any succeeding breach.

ARTICLE 17. REPRESENTATIVES OF COUNTY

The Director of the Project and Facilities Management Department, or his/her designee, shall represent the County in all matters pertaining to the services to be rendered under this Contract, including termination, suspension or assignment of this Contract. The Director, or his/her designee, shall be the final authority in all matters pertaining to the Scope of Work by Consultant including reduction in the scope of work and reduction in the corresponding cost. The San Bernardino County Board of Supervisors must approve all amendments to this Contract.

ARTICLE 18. 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 County suffer damages due to errors, omissions and/or conflicts within the Contract Documents, the Consultant shall be responsible to County for costs of all such damages.

ARTICLE 19. INDEPENDENT CONSULTANT

In the performance of the Agreement, Consultant, its agents and employees, shall act in an independent capacity and not as officers, employees, or agents of the San Bernardino County. Nothing contained in this Agreement 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.

ARTICLE 20. FORMER COUNTY OFFICIALS

Consultant agrees to provide or has already provided information on former San Bernardino County 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 of Supervisors or such officer's staff, Chief 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.

ARTICLE 21. MATERIAL MISSTATEMENT/ MISREPRESENTATION

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

ARTICLE 22. 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 County. Consultant shall make a reasonable effort to prevent employees, officers, 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 County determines a conflict of interest situation exists, any increase in costs, associated with the conflict of interest situation, may be disallowed by the County 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.

ARTICLE 23. 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 County in an attempt to secure favorable treatment regarding this Contract.

The County, 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 County. This prohibition shall apply to any amendment, extension evaluation process once a contract has been awarded.

Consultant shall immediately report any attempt by a County 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 to the County Administrative Office. In the event of a termination under this provision, the County is entitled to pursue any available legal remedies.

ARTICLE 24. 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 for any action or claim brought by any party to this Contract will be the Superior Court of California, San Bernardino County, San Bernardino District. Each party hereby waives any law or rule of court that would allow them to request or demand a change of venue. If any third party brings an action or claim concerning this Contract, the parties hereto agree to use their best efforts to obtain a change of venue to the Superior Court of California, San Bernardino County, San Bernardino District.

ARTICLE 25. 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 and 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 County, its elected officials, officers, employees and agents free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or alleged failure to comply with Prevailing Wage Laws. See Appendix "C" for additional information and requirements regarding Prevailing Wage Laws.

ARTICLE 26. 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 attorneys' 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 the Indemnification and Insurance Requirements section.

ARTICLE 27. LAW

This Contract shall be construed and interpreted in accordance with the laws of the State of California.

ARTICLE 28. RIGHT TO MONITOR AND AUDIT

1. Right to Monitor

The County, 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 Agreement. Consultant shall give full cooperation, in any auditing or monitoring conducted. Consultant shall cooperate with the County in the implementation, monitoring and evaluation of this Agreement and comply with any and all reporting requirements established by the County.

In the event the County determines that Consultant's performance of its duties or other terms of this Agreement are deficient in any manner, County will notify Consultant of such deficiency in writing or orally, provided written confirmation is given five (5) days thereafter. Consultant shall remedy any deficiency within forty-eight (48) hours of such notification, or County at its option, may terminate this Agreement immediately upon written notice, or remedy deficiency and off-set the cost thereof from any amounts due the Consultant under this Agreement or otherwise.

2. Availability of Records

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

ARTICLE 29. RESERVED

ARTICLE 30. DAMAGE TO COUNTY PROPERTY

Consultant shall repair, or cause to be repaired, at its own cost, all damage to County vehicles, facilities, buildings or grounds cause 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 County may make any necessary repairs. The Consultant, as determined by the County, shall repay all costs incurred by the County for such repairs, by cash payment upon demand, or County may deduct such costs from any amounts due to the Consultant from the County.

ARTICLE 31. 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 agreement, and ineligibility to bid on a contract for a period of three (3) years in accordance with Public Contract Code section 2205. **Consultant agrees that signing the Contract shall constitute signature of this Certification.**

ARTICLE 32. 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 County immediately upon receipt of any request by a consumer submitted pursuant to the CCPA that requires any action on the part of the County, 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 County unless specifically authorized pursuant to terms of this Contract. Contractor must immediately provide to the County 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 County if it receives a notice of violation from the California Attorney General pursuant to Civil Code section 1798.155(b).

ARTICLE 33. EXECUTIVE ORDER N-6-22 RUSSIA SANCTIONS

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

ARTICLE 34. MISCELLANEOUS PROVISIONS

- 34.1 The Consultant will designate an individual to serve as the primary point of contact for the Agreement. Consultant or designee must respond to County inquires within two (2) business days. Consultant shall not change the primary contact without written notification and acceptance of the County. Consultant will also designate a back-up point of contact in the event the primary contact is not available.
- 34.2 Consultant shall notify the County, in writing, of any change in mailing address and/or physical location within ten (10) calendar days of the change, and shall immediately notify County of changes in telephone or fax numbers.
- 34.3 Consultant agrees not to enter into any subcontracting agreements for work contemplated under the Contract without first obtaining written approval from the Director of the Project and Facilities Management Department, or his or her designee. Any subcontracting shall be subject to the same

contract provisions as Consultant. Consultant shall be fully responsible for the performance and payments of any subconsultant.

- 34.4 Consultant shall notify County of any continuing vacancies and any positions that become vacant during the term of this Contract that will result in reduction of services to be provided under this Contract. Upon notice of vacancies, Consultant shall apprise County of the steps being taken to provide the services and to fill the position as expeditiously as possible. Vacancies and associated problems shall be reported to County on each periodically required report for the duration of said vacancies and/or problems.
- 34.5 No waiver of any of the provisions of the Contract shall be effective unless it is made in a writing which refers to provisions so waived and which is executed by the Parties. No course of dealing and no delay or failure of a Party in exercising any right under the Contract shall affect any other or future exercise of that right or any exercise of any other right. A Party shall not be precluded from exercising a right by its having partially exercised that right or its having previously abandoned or discontinued steps to enforce that right.
- 34.6 Any alterations, variations, modifications, or waivers of provisions of the Contract, unless specifically allowed in the Contract, shall be valid only when they have been reduced to writing, duly signed and approved by the Authorized Representatives of both parties as an amendment to this Contract. No oral understanding or agreement not incorporated herein shall be binding on any of the Parties hereto.
- 34.7 If any provision of the Contract is held by a court of competent jurisdiction to be unenforceable or contrary to law, it shall be modified where practicable to the extent necessary so as to be enforceable (giving effect to the intention of the Parties) and the remaining provisions of the Contract shall not be affected.
- 34.8 Consultant shall ensure that it has all necessary licenses, permits and/or certifications required by Federal, State, County and municipal laws, ordinances, rules and regulations. The Consultant shall maintain these licenses, permits and/or certifications in effect for the duration of this Contract. Consultant will notify County immediately of loss or suspension of any such licenses, permits and/or certifications. Failure to maintain required licenses, permits and/or certifications may result in immediate termination of this Contract. Professional Architects and Engineers shall be duly registered in the State of California.
- 34.9 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.
- 34.10 In accordance with County Policy 11-08, the County prefers to acquire and use products with higher levels of post-consumer recycled content. Environmentally preferable goods and materials must perform satisfactorily and be available at a reasonable price. The County requires Consultant to use recycled paper for any printed or photocopied material created as a result of this Contract. Consultant is also required to use both sides of paper sheets for reports submitted to the County whenever practicable.
- To assist the County in meeting the reporting requirements of the California Integrated Waste Management Act of 1989 (AB 939), Consultant must be able to annually report the County's environmentally preferable purchases. Consultants must also be able to report on environmentally preferable goods used in the provision of Services to the County, utilizing a County approved form.
- 34.11 No news releases, advertisements, public announcements or photographs arising out of this Contract or Consultant's relationship with the County may be made or used without prior written approval of the County.
- 34.12 In the event of a problem or potential problem that could impact the quality or quantity of work, services, or the level of performance under this Agreement, the Consultant shall notify the County within one (1) working day, in writing and by telephone.

- 34.13 Consultant agrees to comply with the provisions of Executive Orders, 11246, 11375, 11625, 12138, 12432, 12250, Title VII of the Civil Rights Act of 1964, the California Fair Employment Practice Act, Equal Employment Opportunity, and other applicable Federal, State, and County laws, regulations and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted.
- 34.14 Consultant shall comply with all applicable laws, statutes, ordinances, administrative orders, court orders, rules or regulations relating to its duties, obligations and performance under the terms of the Contract. 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.
- 34.15 Consultant shall comply with all air pollution control, water pollution, safety and health ordinances and statutes, which apply to the services performed pursuant to this Contract.
- 34.16 Time is of the essence in performance of this Contract and of each of its provisions.
- 34.17 Consultant acknowledges and agrees that it will not submit a bid, or enter into any agreement with a third party, for the construction of the Project. 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.
- 34.18 In recognition of individual rights to work in a safe, healthful and productive work place, as a material condition of this Agreement, the Consultant agrees that the Consultant and the Consultant's employees, while performing service for the County, on County property, or while using County equipment:
- a. Shall not be in any way impaired because of being under the influence of alcohol or a drug.
 - b. Shall not possess an open container of alcohol or consume alcohol or possess or be under the influence of an illegal drug.
 - c. Shall not sell, offer, or provide alcohol or a drug to another person.
- This shall not be applicable to a Consultant or Consultant's employee who, as part of the performance of normal job duties and responsibilities, prescribes or administers medically prescribed drugs.
- The Consultant shall inform all employees that are performing service for the County on County property, or using County equipment, of the County'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 County.
- The County may terminate for default or breach of this Agreement and any other Agreement the Consultant has with the County, if the Consultant or Consultant's employees are determined by the County not to be in compliance with above.
- 34.19 The Consultant certifies that neither it nor its principals or subcontracts is presently disbarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency or on the Federal Government Excluded Parties List System. Consultant agrees that signing this Contract shall constitute signature of this Certification.
- 34.20 This is not an exclusive Contract. The County reserves the right to enter into a contract with other consultants for the same or similar services. The County does not guarantee or represent that the Consultant will be permitted to perform any minimum amount of work, or receive compensation other than on a per order basis, under the terms of this Contract.
- 34.21 Consultant shall make all reasonable efforts to ensure that no County officer or employee, whose positioning 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.

34.22 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 Agreement, that party shall, within twenty-four (24) hours, give notice thereof, including all relevant information with respect thereto, to the other party.

34.23 In the event of any 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.

ARTICLE 35. TERM

The Contract is effective as of June 18, 2025 and expires on May 22, 2028 or closeout/completion of the last project/work order/task assigned to Consultant within said term, whichever is later, but may be terminated earlier in accordance with the provisions of this Contract.

ARTICLE 36. CONCLUSION

36.1 This Contract, consisting of 37 pages, Appendixes A, B, and C is the full and complete document describing services to be rendered by Consultant to County including all covenants, conditions and benefits.

36.2 The signatures of the Parties affixed to this Contract affirm that they are duly authorized to commit and bind their respective institutions to the terms and conditions set forth in this document.

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

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IN WITNESS WHEREOF, the Board of Supervisors of San Bernardino County has caused this Contract to be subscribed to by the Clerk thereof, and Consultant has caused this Contract to be subscribed in its behalf by its duly authorized officers on their behalf.

SAN BERNARDINO COUNTY

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

Dated: JUN 18 2025

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

By *Lynna Monell*
 Lynna Monell
 Clerk of the Board of Supervisors
 San Bernardino County
 Deputy



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

By *[Signature]*
 (Authorized signature - sign in blue ink)

Name Linus Vitkus
 (Print or type name of person signing contract)

Title President and COO
 (Print or Type)

Dated: 05/06/25

Address 111 Main Street, Unit A
Riverside, CA 92501

FOR COUNTY USE ONLY

Approved as to Legal Form
Kaleigh Ragon
 Kaleigh Ragon, Deputy County Counsel
 Date 05/06/25

Reviewed for Contract Compliance
Arham Limoochi
 Arham Limoochi, Supervising Project Controls
 Manager, Project and Facilities Management
 Department
 Date 05/06/25

Reviewed/Approved by Department
Don Day
Don Day (Jun 5, 2025 17:10 PDT)
 Don Day, Director, Project and Facilities
 Management Department
 Date 05/06/25

Appendix A Consultant Scope of Work

Special Inspection and Material Testing Services

The following are the services that will generally be required of Consultant for each Project that is assigned to Consultant under this On-Call Contract. The County reserves the right to revise the Scope of Work for specific Projects in the Work Order issued to Consultant for a specific Project.

The Consultant will perform services, provide resources and materials customarily and typically rendered to accomplish all such tasks necessary as assigned including, but not limited to, the following:

1. Special inspections in County owned and operated medical facilities. Consultants shall provide experienced and trained staff on an on-call as-needed basis. The Consultant's special inspection staff shall be certified by the International Code Council or other appropriate recognized organization in accordance with the California Building Code (CBC) and a minimum of five years of special inspections experience are sought out. The County shall have the right of refusal of any staff member assigned by the Consultant.
 - a. Consultant shall provide and employ all required testing and inspection equipment necessary to perform the specified services; use testing machines which have been calibrated per CBC and the National Bureau of Standards of the United States Department of Commerce. Consultant shall, upon request, submit to the County or the County's authorized representative documentation of such calibration.
 - b. Provide special inspection and testing, complying with Chapter 17 of the CBC. County reviewed and approved shop drawings may be used as an aid to inspection. Work to be inspected and tested to comply with project-specific Testing, Inspection, Observation (TIOs) and with CBC Chapter 17, Section 1701.5 include, but are not limited to:
 - i. Cast in place concrete, including off-site pre-cast concrete panel and Glass Fiber Reinforced Concrete (GFRC) panel fabrication;
 - ii. Post-installed anchors in concrete;
 - iii. Special moment-resisting concrete frame;
 - iv. Reinforcing steel and pre-stressing steel tendons;
 - v. Structural welding, including special moment-resisting steel frames, reinforcing steel, and off-site shop fabrication;
 - vi. High-strength bolting;
 - vii. Structural masonry;
 - viii. Reinforced gypsum concrete;
 - ix. Insulating concrete fill;
 - x. Spray-applied fire-resistive materials;
 - xi. Piling, drilled piers, and caissons;
 - xii. Shotcrete;

- xiii. Special grading, excavation, compacting, and filling;
 - xiv. Smoke-control, special testing as required by the Project Specifications, by the Fire Marshal of the County of San Bernardino, Department of Healthcare Access and Information (HCAI), or by other Regulatory Authorities;
 - xv. Plumbing soldering;
 - xvi. Concrete slump and break testing
2. Material Testing in County owned and operated medical facilities. Provide materials testing as required by the governing codes and/or regulations, as specified in this Contract or the TIO program. The testing may take place at the construction site or at off- site locations, including out of state locations, as stipulated in this Contract.
- i. Consultant shall provide all required facilities for the material testing of the required site samples inclusive of transportation of such samples from the site/fabrication yard to the Consultant's facilities, required storage and subsequent disposal of such samples.
 - ii. Consultant shall provide all required testing equipment necessary to perform the specified services; use testing machines which have been calibrated per International Building Code (IBC) and the National Bureau of Standards of the United States Department of Commerce. Consultant shall, upon request, submit to the County or the County's authorized representative documentation of such calibration.
 - iii. Consultant shall conduct retests of any materials that fails an initial test at the direction of the Department's Project Manager.
3. Provide to the Owner's Project Manager and others as designated by the County a weekly report of all special inspections and material tests/retests. All reports and information provided to or developed by the Consultant shall be considered to be the confidential property of the County, and Consultant shall distribute or disclose such reports and information only to those persons, organizations or agencies specifically designated in writing by the Owner. The weekly report shall include:
- i. Description and location of special inspections and material tests.
 - ii. List of all non-conforming items.
 - iii. Status of resolution of non-conforming items.
4. Provide final signed reports of all special inspections and materials tests/retests to the Owner's Project Manager, the Inspector of Record (IOR), the HCAI Area Compliance Officer (ACO), and the County Building Official, prepared by the Special Inspector, stating whether the work requiring Special Inspection was, to the best of the Special Inspector's knowledge, in conformance with the approved plans and specifications, approved change orders and the applicable workmanship provisions of the CBC. Note any unresolved items of non-conforming work or lapses in special inspection and test coverage such as missed inspections or periodic inspection when continuous inspection was required.
5. Consultant shall retain all pertinent records relating to the services performed for a period of three (3) years following project completion during which period the records will be made available to the County at all reasonable times.

6. Consultant shall be capable of providing qualified personnel at the project site, as well as any off-site fabrication yards, as necessary to undertake the specified inspection and testing services.

Appendix B Consultant Rate Sheet



Consultant Name: Twining, Inc.

Discipline Category: (Each discipline category needs a separate rate sheet): Material Testing & Special Inspection

Provide complete breakdown of hourly rates based on the following yearly increments beginning from date of award. Rates should be all-inclusive and no fees for indirect labor (such as administrative, overhead, support, etc.) will be accepted.

2025-2026

2026-2027

2027-2028



Schedule Of Fees 2024-2025 for County of San Bernardino

Personnel Rates: Per Hour Unless Otherwise Noted

Task Code	Engineering And Consulting Persons	Rate
10025	Senior Principal Advisor/Consultant	\$ 390.00
10001	Principal Engineer/Geologist	\$ 280.00
10017	Metallurgical Engineer	\$ 390.00
70000	Registered Geotechnical Engineer	\$ 280.00
10010	Technical Advisor	\$ 260.00
10011	Material Scientist, Welding/NDT Consultant	\$ 275.00
70003	Registered Geologist/Certified Engineering Geologist	\$ 275.00
10003	Senior Engineer/Geologist	\$ 250.00
10009	Registered Civil Engineer	\$ 240.00
60009	Roofing/Waterproofing Consultant	\$ 265.00
10013	Project Engineer/Manager	\$ 235.00
30000	Quality Control Manager	\$ 235.00
50005	Senior Staff Engineer/Geologist	\$ 220.00
10007	Staff Engineer/Geologist	\$ 205.00
10015	Quality Control Administrator	\$ 205.00
10019	Metallurgical Technician	\$ 175.00
90001	CADD Operator/Draftsperson	\$ 150.00
95103	Administrative Support	\$ 105.00
70107	Field Supervisor	\$ 195.00
91030	Safety Supervisor	\$ 195.00
20000	Laboratory Manager	\$ 180.00
98000	Laboratory Technician	\$ 155.00
90005	Expert Witness Testimony	\$ 630.00
91010	Qualified SWPPP Developer	\$ 220.00
91000	Qualified SWPPP Practitioner	\$ 205.00
30001	Vibration Engineer	\$ 240.00

Task Code	Field Inspection Personnel	Rate
10101	Concrete/Reinforced Steel Inspector	\$ 125.00
10103	Prestressed/Post Tensioned Inspector	\$ 125.00
10105	Concrete ICC Inspector	\$ 125.00
10109	Drilled-in-Anchors Inspector	\$ 125.00
10111	Gunite/Shotcrete Inspector	\$ 125.00
10113	Masonry Inspector	\$ 125.00
10201	Structural Steels/Welding Inspector	\$ 125.00
13203	AWS Certified Welding Inspector	\$ 125.00
10207	Fireproofing Inspector	\$ 125.00
10501	Lead Inspector	\$ 142.00
10115	Firestop Special Inspector - IFC Premier	\$ 150.00
10117	Firestop Special Inspector - IGP	\$ 205.00
70109	L.A. Deputy Grading Inspector	\$ 150.00
70001	Asphalt Field and Plant Inspector/Technician	\$ 125.00
10103	Pile Driving Inspector	\$ 125.00
70101	Soils Technician	\$ 125.00
10107	Concrete Quality Control (ACI/Catrans Technician)	\$ 125.00
10122	Wood Framing Inspector	\$ 125.00
60001	Roofing/Waterproofing Inspector	\$ 150.00
10500	Public Works Inspector	\$ 155.00
10515	Mechanical Inspector	\$ 185.00
10519	Electrical Inspector	\$ 195.00
10521	Plumbing Inspector	\$ 195.00
10523	Building Inspector	\$ 195.00
30003	Vibration Monitoring Technician	\$ 150.00
60003	Field Engineering Technician	\$ 125.00

Task Code	Shop Inspection Personnel	Rate
10301	Structural Steel Fabrication Inspector	\$ 125.00
10309	Batch Plant Quality Control Technician/Inspector	\$ 125.00
10325	Glue-Laminated Fabrication Inspector	Quotation
10328	Pre-Cast Concrete/Pipe Fabrication Inspector	\$ 139.00

Task Code	Nondestructive Testing Personnel	Rate
10401	NDE Ultrasonic Testing Technician	\$ 145.00
10403	NDE Magnetic Particle Testing Technician	\$ 145.00
10405	NDE Dye Penetrant Testing Technician	\$ 145.00
10305	Combination NDE Technician/Welding Inspector	\$ 145.00
10409	Radiographic Testing (Crew Of 2)	Quotation
90020	NDE Engineer	\$ 255.00

Task Code	Equipment Usage (Daily Unless Otherwise Noted)	Rate
95318	Skidmore	\$ 51.00
95309	Torque Wrench, Small	\$ 21.00
95312	Torque Wrench, Large	\$ 32.00

Task Code	Concrete Specimen Preparation	Rate
20151	Sawing Of Specimens (Each)	\$ 54.00
20157	Coring Of Specimens In Lab (Each)	\$ 54.00

Task Code	Equipment Usage (Daily Unless Otherwise Noted)	Rate
95315	Torque Multiplier	\$ 48.00
95321	AP Meter	\$ 37.00
95322	Unit Weight Bucket	\$ 28.00
95323	Field Concrete Scale	\$ 37.00
95324	2" x 2" x 2" Mold	\$ 26.00
95343	Nuclear Gauge (Per Hour)	\$ 13.00
95319	Sand Cone Density Test Equipment	\$ 60.00
95333	Pul Test Equipment	\$ 74.00
95348	Concrete/Asphalt Coring Equipment	\$ 720.00
95336	Floor Flatness (Dipstick)	\$ 63.00
95330	Schmidt Hammer	\$ 48.00
95341	Vapor Emission Test Kit	\$ 58.00
95342	Relative Humidity Probe	\$ 90.00
95339	UPV (Ultrasonic Pulse Velocity) Meter	\$ 420.00
95351	Fireproofing Adhesion/Cohesion (Per Test)	\$ 42.00
95300	A Scan Ultrasonic Equipment And Consumables	\$ 100.00
95303	Magnetic Particle Equipment And Consumables	\$ 53.00
95306	Liquid Penetrant Consumables	\$ 48.00
95307	Phased Array Ultrasonic Equipment (Per Hour)	\$ 109.00
95347	Ground Penetrating Radar	\$ 399.00
95345	Impact Echo	\$ 405.00
95362	Ultrasonic Tomography	\$ 525.00
95349	Inertial Profiler (Per Hour)	Quotation
95352	Borescope	\$ 315.00
95356	Infrared Camera	\$ 105.00
95357	Project Dedicated Vehicle	\$ 189.00
95354	Roller Compacted Concrete Vibrating Hammer/Tamping Plate	\$ 84.00
95357	Half-Cell Potential Equipment Set	\$ 405.00
95358	Concrete Electrical Resistivity Meter	\$ 199.00
95369	Field Hardness (Steel)	\$ 116.00
95370	Coating Thickness Gauge	\$ 156.00
95373	Curing Box (Not Temperature Controlled, One-Time Peel Per Box)	\$ 78.00
95371	Temperature Control Curing Box (Per Month)	\$ 525.00
95372	Temperature Matching Curing Box (Per Month)	\$ 599.00

Task Code	Specimen Pick-Up	Rate
20107	Technician For Specimen Pick-Up (Per Hour, 2-Hour Minimum)	\$ 95.00
20109	Technician For Specimen Pick-Up Before 5:00 a.m. Or After 5:00 p.m., Monday Thru Friday, Or All Day Saturday (Per Hour, 2-Hour Minimum Plus Mileage)	\$ 220.00

Task Code	Job Site Trailer, Mobile Or On-site Laboratory	Rate
95360	Portable Or Mobile Laboratory Unit	Quotation
95374	Job Site Trailer, Conex, Or Equipment Storage Box	Quotation

Task Code	Concrete Tests (Field Made Specimens)	Rate
20201	6" x 12" Cylinder Compression Strength (ASTM C39)	\$ 45.00
20202	4" x 8" Cylinder Compression Strength (ASTM C39)	\$ 43.00
20203	Density Of Structural Lightweight Concrete Equilibrium Oven Dry Method (ASTM C957)	\$ 107.00
20205	Core Compression Including Trimming (ASTM C42)	\$ 97.00
20207	6" x 6" x 18" Flexural Beams Not Exceeding Referenced Size (ASTM C78, C293 or CEM 523)	\$ 134.00
20209	Splitting Tensile Strength (ASTM C496)	\$ 134.00
20211	Modulus Of Elasticity Test (ASTM C469)	\$ 348.00
90003	Rapid Chloride Permeability Test: Cylinders Or Cores (ASTM C1202)	\$ 510.00
90006	Density, Absorption, And Voids In Hardened Concrete (ASTM C642)	\$ 510.00
40005	Flexural Toughness (ASTM C1609, Formerly ASTM C1018)	\$ 963.00
40006	Double Punch Strength Of Fiber Reinforced Concrete	\$ 542.00
40009	Coefficient Of Thermal Expansion Of Concrete (GRD 35, AASHTO T395)	\$ 696.00
40012	Bulk Electrical Resistivity (One Age Of Testing, ASTM C1876)	\$ 172.00
90013	Flexural Tensile Strength Of Metallic Fiber Reinforced Concrete Beam (EN 14651)	\$ 1,070.00

Task Code	Qualification Of Cement	Rate
90100	Chemical Analysis Of Portland Cement Per Standard Requirements (ASTM C150)	\$ 803.00



20159	Grinding Of Concrete Below 6000 psi Strength (Each)	\$ 97.00
20160	Grinding Of Concrete 6000 psi Strength And Above (Each)	\$ 118.00
Task Code	Laboratory Trial Batch: Concrete, Cement And Mortar	Rate
30216	Compression Test 4" x 8" Cylinders Made And Tested In Laboratory (ASTM C192, C38)	\$ 63.00
30217	Compression Test 6" x 12" Cylinders Made And Tested In Laboratory (ASTM C192, C38)	\$ 73.00
30219	6" x 6" x 18" Recura Beams Made And Tested In Laboratory (ASTM C192, C78)	\$ 150.00
30223	Splitting Tensile Strength Cylinders Made And Tested In Laboratory (ASTM C592, C496)	\$ 150.00
30225	Modulus Of Elasticity Test Cylinders Made And Tested In Laboratory (ASTM C192, C469)	\$ 364.00
30227	Density Of Structural Lightweight Concrete Made In Laboratory, Equilibrium Or Oven Dry Method (ASTM C567)	\$ 124.00
30237	Bulk Electrical Resistivity (ASTM C1876)	\$ 198.00
30201	Laboratory Trial Batch (ASTM C152/Lab Procedure Performance)	\$ 589.00
30203	Concrete Mixture Design For Preconstruction Evaluation And Backup Data Development	\$ 343.00
30205	Drying Shrinkage Up To 28 Days, Three 3" x 3" Or 4" x 4" Bars, Five Readings Up To 28 Dry Days (ASTM C157)	\$ 557.00
30230	Additional Reading, Per Set Of Three Bars	\$ 65.00
30231	Storage Over Ninety (90) Days, Per Set Of Three Bars, Per Month	\$ 54.00
30207	Setting Time Up To 7 Hours (ASTM C403)	\$ 214.00
30205	Bleeding (ASTM C332)	\$ 193.00
30229	Concrete Restrained Expansion (ASTM C876)	\$ 749.00
30219	Mix, Make and Test Mortar or Grout Specimens for Compressive Strength; Set of 6 (ASTM C876)	\$ 642.00
20263	Non-Shrink Grout: Height Change After Final Set (ASTM C1092)	\$ 642.00
20266	Non-Shrink Grout: Height Change At Early Age (ASTM C827)	\$ 910.00
30232	Cracking Resistance, Set Of Three Rings, Laboratory Trial Batch, Test Until Cracking Or Up To 28 Days (ASTM 1881)	\$ 6,634.00
30233	Evaluation Of Pre-Packaged Masonry Mortars (ASTM C327)	\$ 1,391.00
30234	Creep (ASTM C512) (One Age Of Loading; 12 Months Duration Of Testing)	\$ 9,095.00
80196	Laboratory Development Of Strength-Maturity Curve Without Establishing Datum Temperature (Up To 5 Testing Ages, ASTM C1074)	\$ 3,424.00
80199	Laboratory Development Of Strength-Maturity Curve With Establishing Datum Temperature (Up To 5 Testing Ages, ASTM C1074)	\$ 5,664.00
Task Code	Evaluation Of Mixing Water For Concrete	Rate
80246	Evaluation Of Mixing Water For Concrete Per The Requirements Of ASTM C1602, Table 1 (Physical Properties Of Mortar), Per Sample	\$ 1,070.00
80248	Evaluation Of Mixing Water For Concrete Per The Requirements Of Castings, Section 9C, Per Sample	\$ 1,294.00
Task Code	Concrete - Chemical Analysis, Transport Properties Service Life Modeling, Petrographic Examination	Rate
80123	Acid-Soluble Chloride Analysis (ASTM C1152) (Includes Sample Prep)	\$ 134.00
80126	Water-Soluble Chloride Analysis (ASTM C1218) (Includes Sample Prep)	\$ 151.00
80193	Chloride Diffusion Coefficient Of Cementitious Mixtures By Bulk Diffusion (ASTM C1556)	\$ 2,996.00
80159	Bulk Resistivity (ASTM C1876) And Formation Factor	\$ 696.00
80204	Chloride Binding Isotherm	\$ 910.00
80206	Analytical And Experimental (ASTM C1556) Modeling Of Service Life Of Concrete Per Life-365 Model; Per Mixture Design	\$ 8,560.00
80208	Analytical And Experimental (NordTest) Modeling Of Service Life Of Concrete Per FIB Model Code 34; Per Mixture Design	\$ 8,560.00
80210	Non-Steady State Chloride Migration Coefficient, NordTest 492	\$ 669.00
80212	Petrographic Examination Of Hardened Concrete, Level I (ASTM C856) (Excludes Thin Section), Per Sample	\$ 1,750.00
80129	Petrographic Examination Of Hardened Concrete, Level II (ASTM C856) (Includes Thin Section, Per Sample	\$ 2,250.00
80218	Petrographic Examination Of Hardened Concrete, Level III (ASTM C856/C1723) (Thin Section And SEM/EDX), Per Sample	\$ 3,500.00
80222	W/C# Determination (NordTest Bulk 361)	\$ 1,338.00
80224	Examination Of Volumetric Proportions Of Hardened Concrete (ASTM C457), Per Sample	\$ 595.00
80228	Air Void Analysis Of Hardened Concrete (ASTM C457), Per Sample	\$ 750.00
80232	Electron Microscopy (ASTM C1723)	\$ 803.00
80234	Paste Carbonation Analysis, Per Sample	\$ 268.00
80238	Insoluble Residue Analysis (ASTM C1324)	Quotation
80240	Alkali-Silica - Damage Rating Index (DRI), Per Sample	\$ 1,339.00

80103	Physical Testing Of Portland Cement Per Standard Requirements (ASTM C150)	\$ 803.00
80194	Physical Testing Of Type K Cement, Mortar Expansion (ASTM C806)	\$ 803.00
80195	Physical Testing And Chemical Analysis Of Portland Cement Per Standard Requirements (ASTM C150)	\$ 1,496.00
80106	Partial Analysis Or Specific Physical Tests	Quotation
80110	Sulfates Resistance Of Hydraulic Cement (ASTM C1012), 6 Months	\$ 3,210.00
80111	Sulfates Resistance Of Hydraulic Cement (ASTM C1012), 12 months	\$ 3,831.00
80149	Type 1L Cement (ASTM C895; Excludes Special Properties)	\$ 1,496.00
80151	Caliber Microscopy, Per Sample	\$ 310.00

Task Code	Concrete	Rate
80196	Qualification Of Admixture (ASTM C494)	Quotation

Task Code	Evaluation Of Pozzolans And Slag Cement	Rate
80140	Chemical Analysis Of Fly Ash Per Standard Requirements (ASTM C618)	\$ 803.00
80143	Physical Testing Of Fly Ash Per Standard Requirements (ASTM C618)	\$ 803.00
80146	Partial Analysis Or Specific Physical Tests	Quotation
80147	Chemical Analysis And Physical Testing Of Fly Ash Per Standard Requirements (ASTM C1618)	\$ 1,496.00
80250	Qualification Of Silica Fume Per Standard Requirements (ASTM C1240)	\$ 1,496.00
80252	Qualification Of Slag Cement Per Standard Requirements (ASTM C989)	\$ 1,496.00
80254	Effectiveness Of Pozzolans & Slag Cement In Mitigating Expansion Due To ASR (ASTM C441)	\$ 1,496.00

Task Code	Make Concrete - Engineering And Testing Services	Rate
80256	Thermal Control Plan (Without Cooling Pipes) Per A Unique Type Of Placement Of Similar Group Of Placements, Each Plan	\$ 9,000.00
80258	Thermal Control Plan (With Cooling Pipes), Per A Unique Type Of Placement Of Similar Group Of Placements, Each Plan	\$ 10,500.00
80260	Performance Based Maximum Temperature Difference Laboratory & Analytical Studies, One Concrete Mixture Design	\$ 6,000.00

Task Code	Rock And Concrete Aggregates - Petrographic Examination & Special USACE & CRD Tests	Rate
80262	Rock Type Description, Per Sample (Rock Core Or Rock Chunk)	\$ 1,500.00
80263	Rock Type Description + XRD Including Clay Analysis, Per Sample	\$ 1,500.00
80266	Natural Aggregates - Petrographic Examination (Gravel And Natural Sand Consisting Of Single Rock Type ASTM C295; Each, One Sample	\$ 2,750.00
80268	Crushed Aggregates - Petrographic Examination (Crushed Rock And Manufactured Sand Consisting Of Single Rock Type ASTM C295); Each, One Sample	\$ 2,750.00
80270	Coarse Aggregate Certification For Deleterious Materials Per Specifications Of USACE, Materials Coarser Than 0.75-inch (Each, One Sample, 200 lb.	\$ 6,500.00
80272	Coarse Aggregate Certification For Deleterious Materials Per Specifications Of USACE, 0.75-inch And Finer Material, Each, One Sample, 25 lb.	\$ 5,500.00
80274	Fine Aggregate Certification For Deleterious Materials Per Specifications Of USACE, Each, One Sample	\$ 2,750.00
80276	Aggregate, Scratch Hardness (ORD-C 130), Each, One Sample, 25 lb.	\$ 500.00

Task Code	Soils And Aggregate Tests	Rate
70503	Abrasion: LA Rubber (ASTM C131)	\$ 206.00
30506	Abrasion: LA Rubber (ASTM C535)	\$ 217.00
70301	Atterberg Limits/Plasticity Index (ASTM D4318, CEM 294)	\$ 165.00
70303	California Bearing Ratio Excluding Maximum Density (ASTM D1883) Soil	\$ 596.00
70304	California Bearing Ratio Excluding Maximum Density (ASTM D1883) Cement-Treated Soil	\$ 670.00
70344	Cement-Treated Soil/Base Mix Design; Includes Three Trial Cement Contents With Three Unconfined Compressive Strength Specimens Per Cement Content	\$ 3,505.00
70305	Chloride And Sulfate Content (CTM 417, CEM 422)	\$ 180.00
30403	Clay Lumps And Friable Particles (ASTM C142)	\$ 210.00
30321	Clearness Value 1" x #4 (CTM 227)	\$ 180.00
30332	Clearness Value 1.5" x .75" (CTM 227)	\$ 365.00

Task Code	Asphalt Concrete Tests - Continued	Rate
75040	Emulsion Residue, Evaporation (ASTM D344)	\$ 175.00
75034	Extraction % Bitumen (ASTM D6307, CEM 382)	\$ 175.00
75027	Extraction % Bitumen And Gradation (ASTM D5444, D6307, CEM 202, 382)	\$ 340.00
75028	Extraction % Bitumen, Correction Factor (ASTM D6307)	\$ 365.00



	ASTM D2436, CTM 219:						
70313	Corrosivity Series Sulfate, Cl, pH, Resistivity (CTM 643, 417, and 422)	\$	253.00	75030	Chemical Extraction % Bitumen And Sieve Analysis (ASTM D2172 Method A or B, ASTM D5444)	\$	410.00
70315	Crushed/Practured Particles (ASTM D5821, CTM 205)	\$	180.00	75042	Lab Tested Maximum Density Hveem, 3 Briquettes (ASTM D1561, D1188, CTM 304, 308)	\$	235.00
70317	Direct Shear Test Remolded And/OR Resloped (ASTM D3080)	\$	255.00	75057	Hveem Stabilometer Test, Premixed, 3 Briquettes (ASTM D1560, D1561, CTM 304, 366)	\$	235.00
70319	Direct Shear Test Undisturbed - Slow (CO) (ASTM D3080)	\$	230.00	75048	Lab Tested Maximum Density Marshall, 3 Briquettes (ASTM D6926, D2725)	\$	230.00
70321	Direct Shear Test Undisturbed - Fast (CU) (ASTM D3080)	\$	200.00	75048	Lab Tested Maximum Density Marshall 6" Specimen, 3 Briquettes (ASTM D5581, D2725)	\$	235.00
70378	Durability Index Per Method - A,B,G, or D (ASTM D3744, CTM 225)	\$	220.00	75050	Lab Tested Maximum Density Superpave Gyroatory Compacted Briquette, S&D, 1 Briquette (ASTM D6625, D2725)	\$	90.00
70325	Expansion Index (ASTM D4825, USC 18-2)	\$	175.00	75052	Lab Tested Maximum Density Superpave Gyroatory Compacted Briquette, Paraffin, 1 Briquette (ASTM D1188, D6625)	\$	100.00
75004	Fine Aggregate Angularity (ASTM C1252, CTM 234, AASHTO T304)	\$	200.00	75051	Maximum Theoretical Specific Gravity (ROCK) (ASTM D2041, CTM 309)	\$	180.00
30507	Flat And Elongated Particle (ASTM D4791)	\$	250.00	75066	Marshall Stability And Flow, Cored Sample, Each (ASTM D6927)	\$	90.00
30508	Flat Or Elongated Particle (ASTM D4791)	\$	220.00	75069	Marshall Stability And Flow, Premixed, 3 Briquettes (ASTM D6925, D6927)	\$	255.00
70331	Maximum Density Methods A/B/C (ASTM D1557, D698, CTM 216)	\$	195.00	75106	Marshall Stability And Flow, Gyroatory Compacted Specimen Pre-Mixed, 3 Briquettes (ASTM D5581, D6925)	\$	255.00
70333	Maximum Density Check Point (ASTM D1557, D698)	\$	70.00	75107	Marshall Stability And Flow 6" Specimen, Premixed, 3 Briquettes (ASTM D5581)	\$	255.00
70336	Maximum Density AASHTO C (Modified) (AASHTO T-180)	\$	200.00	75063	Moisture Content (CTM 378)	\$	90.00
70336	Maximum Index Density Vibratory Table (ASTM D4253)	\$	355.00	75005	Wet Track Abrasion Test (ASTM D3610)	\$	185.00
70337	Moisture Content (ASTM D2216, CTM 225)	\$	30.00	75053	Hveem Mix Design (Excluding Aggregate Quality Tests)	\$	6,000.00
70338	Moisture and Density Ring Sample (ASTM D2937)	\$	30.00	75096	Hveem Mix Design, With RAP (Excluding Aggregate Quality Tests, RAP Qualification)	\$	6,500.00
70341	Moisture and Density Shelby Tube Sample (ASTM D2937)	\$	45.00	75099	Hveem Mix Design, With Lime (Excluding Aggregate Quality Tests)	\$	10,000.00
70340	Moisture-Density Relations Of Soil-Cement Mixtures Prepared In The Field (ASTM D558)	\$	285.00	75094	Hveem Mix Design Caltrans Untreated Mix (Including Aggregate Quality Tests)	\$	7,000.00
70342	Moisture-Density Relations Of Soil-Cement Mixtures Mixed In The Lab (ASTM D559)	\$	365.00	75095	Hveem Mix Design Caltrans Lime Treated Mix (Including Aggregate Quality Tests)	\$	8,000.00
70328	pH Of Soils (ASTM D4972)	\$	55.00	75084	Marshall Mix Design (Excluding Aggregate Quality Tests)	\$	6,000.00
70330	Organic Content Of Soils (ASTM D2974, Method A Only)	\$	90.00	75087	Marshall Mix Design With RAP (Excluding Aggregate Quality Tests)	\$	6,400.00
30401	Organic Impurities (ASTM C41, CTM 213)	\$	95.00	75090	Marshall Mix Design With Lime (Excluding Aggregate Quality Tests)	\$	7,000.00
70343	Permeability (ASTM D5984)	Quotation		75083	Open Grade Asphalt Concrete Mix Design (ASTM D7064, CTM 365)	\$	3,500.00
80001	Potential Reactivity Chemical Method (ASTM C289 - Discontinued Method)	\$	800.00	75109	Superpave Mix Design (Excluding Aggregate Quality Tests)	\$	12,000.00
70394	Potential Reactivity Mortar Bar Expansion Method, 14-Day Exposure (ASTM C1260)	\$	990.00	75113	Superpave Mix Design, With RAP (Excluding Aggregate Quality Tests)	\$	12,500.00
70394	Potential Reactivity Mortar Bar Expansion Method, 28-Day Exposure (ASTM C1260)	\$	1,100.00	75114	Superpave Mix Design With Rubber (Excluding Aggregate Quality Tests)	\$	12,500.00
70399	Potential Reactivity Concrete Bar Expansion Method (ASTM C1293), 12 month	\$	2,995.00	75115	Superpave Mix Design With Additives (Excluding Aggregate Quality Tests)	\$	12,700.00
70399	Potential Reactivity Concrete Bar Expansion Method (ASTM C1293), 34 month	\$	3,320.00	75075	Effect Of Moisture On Asphalt Paving Mixtures, Pre-Mixed (ASTM D4867, AASHTO T283)	\$	1,200.00
70397	Potential Reactivity Of Aggregate Combination, Non-Standard Method; 14-Day Exposure, Mortar (After ASTM C1567)	\$	1,175.00	75111	Hamburg Wheel Track Test, 20,000 Passes, 4 Briquettes (AASHTO T244)	\$	1,300.00
70392	Potential Reactivity Of Aggregate Combination, Non-Standard Method; 28-Day Exposure, Mortar (After ASTM C1567)	\$	1,230.00	75039	Raveling Test Of Cold Mixed Emulsified Asphalt (ASTM D7196)	\$	225.00
70345	R-Value Soil (ASTM D2844, CTM 301)	\$	454.00	75067	Marshall Stability, Wet Set, 3 Replicates (AASHTO T245)	\$	390.00
70347	R-Value Aggregate Base (ASTM D2844, CTM 301)	\$	505.00	75068	Marshall Stability, Dry Set, 3 Replicates (AASHTO T245)	\$	330.00
70345	Sand Equivalent (ASTM D2419, CTM 217)	\$	129.00	75070	Cold Recycled Asphalt Mix Design 2 Gradings Each, 3 Emulsion Content (Caltrans LP-8)	\$	11,600.00
70351	Sieve #200 Wash Only (ASTM D1140, CTM 202)	\$	93.00				
70353	Sieve With Hydrometer 3/4" Gravel To Clay (ASTM D422, D7528, CTM 203)	\$	258.00	Task Code	Mortar And Grout - Petrographic Examination	Rate	
70355	Sieve With Hydrometer Sand To Clay (ASTM D422, D7528, CTM 203)	\$	248.00	80282	Stucco, One-Coat (ASTM C856), Includes Thin Section, Per Sample	\$	2,350.00
70357	Sieve Analysis Including Wash (ASTM C136, CTM 202)	\$	155.00	80286	Stucco, Two-Coat (ASTM C856), Includes Thin Section, Per Sample	\$	2,500.00
70359	Sieve Analysis Without Wash (ASTM C136, CTM 202)	\$	125.00	80290	Stucco, Three-Coat (ASTM C856), Includes Thin Section, Per Sample	\$	3,000.00
70360	Sieve Analysis Split Sieve (ASTM C136, CTM 202)	\$	250.00	80294	Mortar (ASTM C1324, Petrographic Examination And Chemical Analysis), Per Sample	\$	3,250.00
70361	Sieve Analysis Without Wash With Cobbles (ASTM C136, CTM 202)	\$	245.00				
70363	Soundness Sodium Or Magnesium Sulfate, 5 Cycles (ASTM C88)	\$	464.00	Task Code	Brick Masonry Tests, ASTM C87	Rate	
70365	Specific Gravity And Absorption Coarse (ASTM C127, CTM 206)	\$	905.00	20301	Modulus Of Rupture Flexural	\$	118.00
70367	Specific Gravity And Absorption Fine (ASTM C126, CTM 207)	\$	170.00	20303	Compression Strength	\$	81.00
70368	Swell/Settlement Potential One Dimensional (ASTM D4946) Triaxial	Quotation		20305	Absorption 5 Hour or 24 Hour	\$	86.00
70373	Unconfined Compression (ASTM D2156, CTM 221)	\$	196.00	20307	Absorption (Boil) 1, 2 Or 5 Hours	\$	118.00
30317	Unit Weight Per Cubic Foot (ASTM C29, CTM 212)	\$	129.00	20309	Initial Rate Of Absorption	\$	75.00
30319	Voils In Aggregate With Known Specific Gravity (ASTM C29, CTM 212)	\$	129.00	20311	Efflorescence	\$	51.00
30411	Lightweight Particles Coarse, with Two Solutions (ASTM C123)	\$	535.00	20313	Cores Compression	\$	97.00
30412	Lightweight Particles Fine, with One Solution (ASTM C123)	\$	258.00	20315	Shear Test On Brick Cores 2 Faces	\$	118.00
20807	Method of Test for Relative Mortar Strength of Portland Cement Concrete Sand (CT 515)	\$	1,400.00				
Task Code	Asphalt Concrete Tests	Rate		Task Code	Brick and Steel Testing, Continued	Rate	
75031	HMA Mixing And Preparation	\$	140.00	20519	Hardness Test (ASTM E18)	\$	91.00
75032	HMA Mixing And Preparation With Aggregate Treatment	\$	196.00	20630	Bot. Axial Tensile Test (Up To 7/8" Diameter)	\$	75.00
75033	Bulk Specific Gravity Of Compacted Sample Or Core SSD (ASTM D2726, CTM 309C)	\$	52.00	20621	Bot. Wedge Tensile Test (Up To 7/8" Diameter)	\$	91.00
75036	Bulk Specific Gravity Of Compacted Sample Or Core Paraffin Coated (ASTM D1188 and CTM 308A)	\$	98.00	20632	Bot. Axial Tensile Test (Greater Than 7/8" Up To 1" diameter)	\$	97.00
				20633	Bot. Wedge Tensile Test (Greater Than 7/8" Up To 1" diameter)	\$	118.00
Task Code	Concrete Block, ASTM C140	Rate					
20321	Compression	\$	102.00				
20322	Absorption/Moisture Content/Overs Dry Density	\$	102.00				
20327	Linear Shrinkage (ASTM C426)	\$	295.00				
20326	Web And Face Shear Measurements	\$	59.00				
20329	Tension Test	\$	188.00				



20331	Core Compression	\$	97.00
20333	Shear Test Of Masonry Cores 2 Faces	\$	115.00
20336	Efflorescence Tests	\$	31.00
Task			
Code	Masonry Prisms, ASTM C181-4		Rate
20344	Compression Test, Composite Masonry Prisms Up To 8" x 16"	\$	230.00
20343	Compression Test, Composite Masonry Prisms > 8" x 16"	\$	295.00
20346	Prism Core Modulus Of Elasticity	\$	696.00
20347	Prism Core Modulus Of Elasticity With Transverse Strain (For Double-Wythe Specimen)	\$	750.00
Task			
Code	Mortar And Grout		Rate
20351	Compression 2" x 4" Mortar Cylinders (ASTM C780)	\$	65.00
20353	Compression 3" x 3" x 6" Grout Prisms, Includes Trimming (ASTM C1019)	\$	49.00
20355	Compression 2" Cubes (ASTM C109)	\$	65.00
20357	Compression Cores Includes Trimming (ASTM C42)	\$	97.00
Task			
Code	Masonry Specimen Preparation		Rate
20358	Curing Of Cubes Or Prisms	\$	81.00
Task			
Code	Fireproofing Tests		Rate
20401	Oven Dry Density (ASTM E805)	\$	97.00
Task			
Code	Gunite And Shotcrete Tests		Rate
20361	Core Compression including Trimming (ASTM C42)	\$	113.00
20365	Compression Cubes (Includes Saw Cutting)	\$	91.00
Task			
Code	Concrete Roof Fill: Gypsum, Vermiculite, Perlite, Lightweight Insulating Concrete, Etc.		Rate
20371	Compression Test (ASTM C495 and C472)	\$	91.00
20373	Air Dry Density (ASTM C472)	\$	70.00
20379	Oven Dry Density (ASTM C495)	\$	97.00
Task			
Code	Reinforcing Steel, ASTM A615, A706		Rate
20501	Tensile Test #11 Or Smaller	\$	91.00
20503	Bend Test #11 Or Smaller	\$	75.00
20504	Bend Test #14 Or #18	\$	426.00
20506	Tensile Test #14	\$	321.00
20507	Tensile Test #18	\$	418.00
Task			
Code	Reinforcing Steel - Welded Or Coupled Specimens		Rate
20521	Tensile Test Welded/Coupled #11 And Smaller	\$	91.00
20523	Tensile Test Welded/Coupled #14	\$	311.00
20525	Tensile Test Welded/Coupled #18	\$	439.00
20529	Weld Macroetch	\$	102.00
20531	Slippage Test - Caltrans (CTM 570)	\$	236.00
20532	Tensile Test Welded Hoops #11 And Smaller	\$	182.00
Task			
Code	Metal and Steel Testing		Rate
20601	Tensile Strength Up To 100K Pounds (Each)	\$	91.00
20603	Tensile Strength Up To 200K Pounds (Each)	\$	102.00
20605	Tensile Strength Up To 300K Pounds (Each)	\$	129.00
20607	Tensile Strength Up To 400K Pounds (Each)	\$	198.00
20609	Tensile Strength 400K To 600K Pounds (Each)	\$	428.00
20614	Tensile Strength Stress-Strain Percent Offset	\$	288.00
20646	Weld Macroetch	\$	102.00
20647	Weld Fracture	\$	54.00
20615	Bend Test	\$	96.00
20617	Flattening Test	\$	96.00

20634	Bolt Axial Tensile Test (Greater Than 1" Diameter)	\$	146.00
20635	Bolt Wedge Tensile Test (Greater Than 1" Diameter)	\$	150.00
20636	Bolt Proof Load Test (Up To 7/8")	\$	102.00
20637	Bolt Proof Load Test (Greater Than 7/8" Up To 1" Diameter)	\$	124.00
20638	Bolt Proof Load Test (Greater Than 1")	\$	142.00
20639	Nut Proof Load Test (Up To 7/8")	\$	81.00
20640	Nut Proof Load Test (Greater Than 7/8" Up To 1" Diameter)	\$	102.00
20641	Nut Proof Load Test (Greater Than 1")	\$	113.00

Code	Chemical Testing Of Metal And Steel	Rate
90170	Steel Chemical Analysis	Quotation
90173	Weight Of Galvanized Coating (ASTM A90)	\$ 97.00
90176	Epoxy Coating Thickness	\$ 107.00
90177	Coating Thickness	\$ 102.00

Code	Machining And Preparation Of Tensile And Bend Sample: Carbon Steel	Rate
20751	Machinist Initial Preparation From Mock-Up, Etc. (Per Hour)	\$ 156.00
20753	Sawcut To Overall Width (Per 0.5" Thickness Or Fraction Thereof)	\$ 70.00
20755	Machine To Test Configuration Milled Specimens	\$ 102.00
20757	Machine To Test Configuration Turned Specimens (Per 0.5" Thickness Or Fraction Thereof)	\$ 182.00
20759	Prepare Subsize Specimens (Per 0.5" Thickness Or Fraction Thereof)	\$ 124.00

Code	Charpy Impact	Rate
20621	Charpy Impact Ambient Temperature	\$ 113.00
20623	Charpy Impact Reduced Temperature	\$ 150.00

Code	Machining Of Charpy Samples: Carbon Steel	Rate
20780	Cutting And Milling (Per 0.5" Or Fraction Thereof)	\$ 102.00
20783	Final Machining To Sample Configuration	\$ 124.00

Code	Prestressng Wires And Tendons, ASTM A418	Rate
20701	Stress-Strain Analysis Wire Or Strands (Including Chart And Percent Offset)	\$ 273.00
20703	Tensile Test Only	\$ 204.00
20705	Tendons	Quotation

Code	Polymer Matrix Composite Materials (Fiberwrap)	Rate
20706	Tensile Strength - Set of 5 Specimens/Batch/Direction (ASTM D3039)	\$ 1,498.00
20707	Tensile Strength - Additional Specimens (ASTM D3039) (ASTM D3039)	\$ 389.00
20708	Heating Chamber Time - Per 24 Hr. Period	\$ 107.00

Code	Calibration Services And Universal Machine Usage	Rate
20801	Calibration/Verification Services	Quotation
20803	Universal Test Machine Usage (Per Hour)	\$ 509.00

Code	Specialty Testing	Rate
- Cyclic And Fatigue Testing Programs On Special Products/Parts		
- Engineering And Technical Supports/Design Of Prototypes And Special Test Set-Up		
- Fastener/Coupling Full Testing Program Per New Regulations: Tension, Tension/Bend, Shear, Double-Shear, 9 Compressions		
- Fiberglass/Composite Materials Field Testing Program (ASTM D1143 D1242, Q2584, D4065, D4476, D4923, D7901, D7921, and D732)		
- Field Testing Of Structures And Structural Elements		
- In-Place Shear Testing		
- Materials And/Or Product Evaluation Per Specifications		
- Structural Dynamic Testing And Durability Analysis		

Appendix C 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 requirements 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

<http://www.dir.ca.gov/Databases/das/pwaddrstart.asp>.

- 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.