

**CITY OF CORONA
PROFESSIONAL SERVICES AGREEMENT
WITH SCST, INC.
(GEOTECHNICAL, MATERIALS TESTING AND SOURCE INSPECTION SERVICES
CAJALCO/I-15 INTERCHANGE IMPROVEMENT PROJECT)**

1. Parties and Date.

This Agreement is made and entered into this **1st** day of **November, 2017** (“Effective Date”) by and between the City of Corona, a municipal corporation organized under the laws of the State of California with its principal place of business at 400 South Vicentia Avenue, Corona, California 92882 (“City”) and **SCST, Inc.**, a California corporation with its principal place of business at **6280 Riverdale Street, San Diego, California 92120** (“Consultant”). City and Consultant are sometimes individually referred to as “Party” and collectively as “Parties” in this Agreement.

2. Recitals.

2.1 Consultant.

Consultant desires to perform and assume responsibility for the provision of certain professional services required by the City on the terms and conditions set forth in this Agreement. Consultant represents that it is experienced in providing **Geotechnical, Materials Testing and Source Inspection Services** to public clients, is licensed in the State of California, and is familiar with the plans of City.

2.2 Project.

City desires to engage Consultant to render such services for the **I-15/Cajalco Interchange Improvements, Project No. 56-1203** (“Project”) as set forth in this Agreement.

3. Terms.

3.1 Scope of Services and Term.

3.1.1 General Scope of Services. Consultant promises and agrees to furnish to the City all labor, materials, tools, equipment, services, and incidental and customary work necessary to fully and adequately supply the professional Geotechnical, Materials Testing and Source Inspection services necessary for the Project (“Services”). The Services are more particularly described in Exhibit “A” attached hereto and incorporated herein by reference. All Services shall be subject to, and performed in accordance with, this Agreement, the exhibits attached hereto and incorporated herein by reference, and all applicable local, state and federal laws, rules, and regulations.

3.1.2 Term. The term of this Agreement shall be from **November 1, 2017** to **January 31, 2020** (“Term”), unless earlier terminated as provided herein. Consultant shall

complete the Services within the Term of this Agreement, and shall meet any other established schedules and deadlines. The Parties may, by mutual, written consent, extend the Term of this Agreement one or more times by executing a written amendment pursuant to Section 3.6.8 below (each a "Renewal Term"). The terms "Term" and "Renewal Term" may sometimes be generally and collectively referred to as "Term" in this Agreement.

3.2 Responsibilities of Consultant.

3.2.1 Control and Payment of Subordinates; Independent Contractor. The Services shall be performed by Consultant or under its supervision. Consultant will determine the means, methods and details of performing the Services subject to the requirements of this Agreement. City retains Consultant on an independent contractor basis and not as an employee. Consultant retains the right to perform similar or different services for others during the Term of this Agreement. Any additional personnel performing the Services under this Agreement on behalf of Consultant shall also not be employees of City and shall at all times be under Consultant's exclusive direction and control. Consultant shall pay all wages, salaries, and other amounts due such personnel in connection with their performance of Services under this Agreement and as required by law. Consultant shall be responsible for all reports and obligations respecting such additional personnel, including, but not limited to: social security taxes, income tax withholding, unemployment insurance, disability insurance, and workers' compensation insurance.

3.2.2 Schedule of Services. Consultant shall perform the Services within the Term of this Agreement, in accordance with the Schedule of Services set forth in Exhibit "B" attached hereto and incorporated herein by reference, and in accordance with any other completion schedule or milestones which may be separately agreed upon in writing by the Parties. Consultant represents that it has the professional and technical personnel required to perform the Services in conformance with such conditions. In order to facilitate Consultant's conformance with the Schedule, City shall respond to Consultant's submittals in a timely manner. Upon request of City, Consultant shall provide a more detailed schedule of anticipated performance to meet the Schedule of Services.

3.2.3 Conformance to Applicable Requirements. All Services performed by Consultant shall be subject to the approval of City.

3.2.4 Substitution of Key Personnel. Consultant has represented to City that certain key personnel will perform and coordinate the Services under this Agreement. Should one or more of such personnel become unavailable, Consultant may substitute other personnel of at least equal competence upon written approval of City. In the event that City and Consultant cannot agree as to the substitution of key personnel, City shall be entitled to terminate this Agreement for cause. As discussed below, any personnel who fail or refuse to perform the Services in a manner acceptable to the City, or who are determined by the City to be uncooperative, incompetent, a threat to the adequate or timely completion of the Project or a threat to the safety of persons or property, shall be promptly removed from the Project by the Consultant at the request of the City. The key personnel for performance of this Agreement are as follows: **Thomas B. Canady, P.E., Farzad Tasbihgoo, P.E., Clint Adkins, Tyler Garrison, and Dan Chang.**

3.2.5 City's Representative. The City hereby designates **Nelson D. Nelson, P.E.**, or his designee, to act as its representative for the performance of this Agreement ("City's Representative"). City's Representative shall have the power to act on behalf of the City for all purposes under this Contract. Consultant shall not accept direction or orders from any person other than the City's Representative or his or her designee.

3.2.6 Consultant's Representative. Consultant hereby designates **Neal W. Clements, P.E.**, or his designee, to act as its representative for the performance of this Agreement ("Consultant's Representative"). Consultant's Representative shall have full authority to represent and act on behalf of the Consultant for all purposes under this Agreement. The Consultant's Representative shall supervise and direct the Services, using his best skill and attention, and shall be responsible for all means, methods, techniques, sequences, and procedures and for the satisfactory coordination of all portions of the Services under this Agreement.

3.2.7 Coordination of Services. Consultant agrees to work closely with City staff in the performance of Services and shall be available to City's staff, consultants and other staff at all reasonable times.

3.2.8 Standard of Care; Performance of Employees. Consultant shall perform all Services under this Agreement in a skillful and competent manner, consistent with the standards generally recognized as being employed by professionals in the same discipline in the State of California. Consultant represents and maintains that it is skilled in the professional calling necessary to perform the Services. Consultant agrees that all employees and subconsultants shall have sufficient skill and experience to perform the Services assigned to them. Finally, Consultant represents that it, its employees and subconsultants shall have all licenses, permits, qualifications and approvals of whatever nature that are legally required to perform the Services, including a City Business License, and that such licenses and approvals shall be maintained throughout the Term of this Agreement. As provided for in the indemnification provisions of this Agreement, Consultant shall perform, at its own cost and expense and without reimbursement from the City, any services necessary to correct errors or omissions which are caused by the Consultant's failure to comply with the standard of care provided for herein. Any employee of the Consultant or its sub-consultants who is determined by the City to be uncooperative, incompetent, a threat to the adequate or timely completion of the Project, a threat to the safety of persons or property, or any employee who fails or refuses to perform the Services in a manner acceptable to the City, shall be promptly removed from the Project by the Consultant and shall not be re-employed to perform any of the Services or to work on the Project.

3.2.9 Laws and Regulations; Employee/Labor Certifications. Consultant shall keep itself fully informed of and in compliance with all local, state and federal laws, rules and regulations in any manner affecting the performance of the Project or the Services, including all Cal/OSHA requirements, and shall give all notices required by law. Consultant shall be liable for all violations of such laws and regulations in connection with Services. If the Consultant performs any work or Services knowing them to be contrary to such laws, rules and regulations and without giving written notice to the City, Consultant shall be solely responsible for all costs arising therefrom. Consultant shall defend, indemnify and hold City, its officials, directors, officers, employees, and agents free and harmless, pursuant to the indemnification provisions of this

Agreement, from any claim or liability arising out of any failure or alleged failure to comply with such laws, rules or regulations.

3.2.9.1 Employment Eligibility; Consultant. By executing this Agreement, Consultant verifies that it fully complies with all requirements and restrictions of state and federal law respecting the employment of undocumented aliens, including, but not limited to, the Immigration Reform and Control Act of 1986, as may be amended from time to time. Such requirements and restrictions include, but are not limited to, examination and retention of documentation confirming the identity and immigration status of each employee of the Consultant. Consultant also verifies that it has not committed a violation of any such law within the five (5) years immediately preceding the date of execution of this Agreement, and shall not violate any such law at any time during the Term of the Agreement. Consultant shall avoid any violation of any such law during the Term of this Agreement by participating in an electronic verification of work authorization program operated by the United States Department of Homeland Security, by participating in an equivalent federal work authorization program operated by the United States Department of Homeland Security to verify information of newly hired employees, or by some other legally acceptable method. Consultant shall maintain records of each such verification, and shall make them available to the City or its representatives for inspection and copy at any time during normal business hours. The City shall not be responsible for any costs or expenses related to Consultant's compliance with the requirements provided for in Section 3.2.9 or any of its sub-sections.

3.2.9.2 Employment Eligibility; Subcontractors, Consultants, Sub-subcontractors and Subconsultants. To the same extent and under the same conditions as Consultant, Consultant shall require all of its subcontractors, consultants, sub-subcontractors and subconsultants performing any work or Services relating to the Project or this Agreement to make the same verifications and comply with all requirements and restrictions provided for in Section 3.2.9.1.

3.2.9.3 Employment Eligibility; Failure to Comply. Each person executing this Agreement on behalf of Consultant verifies that they are a duly authorized officer of Consultant, and understands that any of the following shall be grounds for the City to terminate the Agreement for cause: (1) failure of Consultant or its subcontractors, consultants, sub-subcontractors or subconsultants to meet any of the requirements provided for in Sections 3.2.9.1 or 3.2.9.2; (2) any misrepresentation or material omission concerning compliance with such requirements (including in those verifications provided to the Consultant under Section 3.2.9.2); or (3) failure to immediately remove from the Project any person found not to be in compliance with such requirements.

3.2.9.4 Labor Certification. By its signature hereunder, Consultant certifies that it is aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that Code, and agrees to comply with such provisions before commencing the performance of the Services.

3.2.9.5 Equal Opportunity Employment. Consultant represents that it is an equal opportunity employer and it shall not discriminate against any subconsultant, employee or applicant for employment because of race, religion, color, national origin, handicap, ancestry, sex or age. Such non-discrimination shall include, but not be limited to, all activities related to initial employment, upgrading, demotion, transfer, recruitment or recruitment advertising, layoff or termination. Consultant shall also comply with all relevant provisions of City's Minority Business Enterprise program, Affirmative Action Plan or other related programs or guidelines currently in effect or hereinafter enacted.

3.2.9.6 Air Quality. To the extent applicable, Consultant must fully comply with all applicable laws, rules and regulations in furnishing or using equipment and/or providing services, including, but not limited to, emissions limits and permitting requirements imposed by the South Coast Air Quality Management District (SCAQMD) and/or California Air Resources Board (CARB). Although the SCAQMD and CARB limits and requirements are more broad, Consultant shall specifically be aware of their application to "portable equipment", which definition is considered by SCAQMD and CARB to include any item of equipment with a fuel-powered engine. Consultant shall indemnify City against any fines or penalties imposed by SCAQMD, CARB, or any other governmental or regulatory agency for violations of applicable laws, rules and/or regulations by Consultant, its subconsultants, or others for whom Consultant is responsible under its indemnity obligations provided for in this Agreement.

3.2.10 Insurance.

3.2.10.1 Time for Compliance. Promptly following the Effective Date of this Agreement, but in no event before Consultant commences any Services under this Agreement, Consultant shall provide evidence satisfactory to the City that it has secured all insurance required under this section. Failure to provide and maintain all required insurance shall be grounds for the City to terminate this Agreement for cause.

3.2.10.2 Minimum Requirements. Consultant shall, at its expense, procure and maintain for the duration of the Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the Agreement by the Consultant, its agents, representatives, employees or subconsultants. Consultant shall also require all of its subconsultants to procure and maintain the same insurance for the duration of the Agreement. Such insurance shall meet at least the following minimum levels of coverage:

(A) Minimum Scope of Insurance. Coverage shall be at least as broad as the latest version of the following: (1) *General Liability*: Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001); (2) *Automobile Liability*: Insurance Services Office Business Auto Coverage form number CA 0001, code 1 (any auto), or if Consultant has no owned autos, Code 8 (hired) and 9 (non-owned); and (3) *Workers' Compensation and Employer's Liability*: Workers' Compensation insurance as required by the State of California and Employer's Liability Insurance.

(B) Minimum Limits of Insurance. Consultant shall maintain limits no less than: (1) **General Liability: \$5,000,000 per occurrence** for bodily injury, personal injury, advertising injury and property damage. If Commercial General Liability Insurance or other form with general aggregate limit is used including, but not limited to, form CG 2503, either the general aggregate limit shall apply separately to this Agreement/location or the general aggregate limit shall be twice the required occurrence limit; (2) **Automobile Liability: \$1,000,000 per accident** for bodily injury and property damage; and (3) *Workers' Compensation and Employer's Liability*: Workers' Compensation limits as required by the Labor Code of the State of California. **Employer's Liability limits of \$1,000,000 per accident** for bodily injury or disease.

3.2.10.3 Professional Liability. Consultant shall procure and maintain, and require its sub-consultants to procure and maintain, for a period of five (5) years following completion of the Project, errors and omissions liability insurance appropriate to their profession. Such insurance shall be in an amount not less than **\$2,000,000 per occurrence/\$4,000,000 aggregate.**

3.2.10.4 Pollution Liability. Consultant shall procure and maintain, and require its sub-consultants to procure and maintain, for a period of five (5) years following completion of the contract, pollution liability insurance including coverage for bodily injury, property damage, and environmental damage. Such insurance shall be in an amount not less than **\$1,000,000 per claim/\$2,000,000 per occurrence**, and shall be endorsed to include contractual liability and non-owned disposal sites. If the consultant maintains higher limits than the minimums shown above the City requires and shall be entitled to coverage for the higher limits maintained by the consultant.

3.2.10.5 Insurance Endorsements. The insurance policies shall contain or be endorsed (amended) to include the following provisions:

(A) General Liability. The general liability policy shall state that: (1) the City, its directors, officials, officers, employees, agents, and volunteers shall be covered as additional insured with respect to liability arising out of work or operations performed by or on behalf of the Consultant, including materials, parts or equipment furnished in connection therewith (the endorsement form shall be at least as broad as ISO Form CG 20 10 11 85 or both CG 20 37 and one of the following: CG 20 10, CG 20 26, CG 20 33 or CG 20 38); and (2) the insurance coverage shall be primary insurance coverage as respects the City, its directors, officials, officers, employees, agents, and volunteers (the endorsement form shall be at least as broad as ISO CG 20 01 04 13). Any insurance or self-insurance maintained by the City, its directors, officials, officers, employees, agents, and volunteers shall be excess of the Consultant's insurance and shall not be called upon to contribute with it in any way.

(B) Waiver of Subrogation – Workers' Compensation and Employer's Liability Coverage. The insurer shall agree to waive all rights of subrogation against the City, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of the insurance policy which arise from work or Services performed by the Consultant.

(C) Pollution Liability. The pollution liability policy shall include or be endorsed (amended) to state that: (1) the City, its directors, officials, officers, employees, agents, and volunteers shall be covered as additional insureds with respect to the Work or operations performed by or on behalf of the Consultant, including any and all remediation costs, including, but not limited to, restoration costs, and coverage for the removal, repair, handling, and disposal of asbestos and/or lead containing materials, if applicable; and (2) the insurance coverage shall be primary insurance as respects the City, its directors, officials, officers, employees, agents, and volunteers, or if excess, shall stand in an unbroken chain of coverage excess of the Consultant's scheduled underlying coverage. Any insurance or self-insurance maintained by the City, its directors, officials, officers, employees, agents, and volunteers shall be excess of the Consultant's insurance and shall not be called upon to contribute with it in any way.

(D) All Coverages. If Consultant maintains broader coverage and/or higher limits than the minimums shown above, the City is entitled to the broader coverage and/or higher limits maintained by Consultant. Thus, any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City.

3.2.10.6 Other Provisions; Endorsements Preferred. Consultant shall endeavor to provide endorsements regarding the following provisions, but nonetheless understands, acknowledges and agrees that the following provisions shall apply and that failure to comply shall be considered to be a breach of this Agreement by Consultant:

(A) Waiver of Subrogation – All Other Policies. Consultant hereby waives all rights of subrogation any insurer of Consultant's may acquire against the City, its directors, officials, officers, employees, agents, and volunteers for losses paid under the terms of any insurance policy which arise from work or Services performed by the Consultant. Consultant understands, acknowledges and agrees that this provision is in full force and effect even if the City does not receive a waiver of subrogation endorsement from the insurer.

(B) Notice. Consultant shall either: (1) require its insurer to provide thirty (30) days prior written notice to the City before coverage is suspended, voided, or canceled; or (2) notify City in writing that such notice is not available and forward any notice of such actions to the City within two (2) business days from date of receipt by Consultant. Consultant understands, acknowledges and agrees that this provision is in full force and effect even if the City does not receive a waiver of subrogation endorsement from the insurer.

3.2.10.7 Claims Made Policies. The following provisions shall apply to all policies that provide coverage on a claims-made basis: (A) the retroactive date must be shown and must be before the date on which any Services under this Agreement commence; (B) the insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of the Project; and (C) if coverage is canceled or not renewed and is not replaced with another claims-made policy with a retroactive date prior to the date on which any Services under this Agreement commence, Consultant must purchase "extended reporting" coverage for a minimum of five (5) years after completion of Project.

3.2.10.8 Deductibles and Self-Insurance Retentions. Any deductibles or self-insured retentions must be declared to and approved by the City. The City may require the

Consultant to provide proof of ability to pay losses and related investigation, claims administration and defense expenses within the deductible or self-insured retention. The deductible or self-insured retention may be satisfied by either the named insured or the City.

3.2.10.9 Acceptability of Insurers. Unless under the circumstances a different rating is otherwise acceptable to the City in its sole and absolute discretion, insurance is to be placed with insurers which are satisfactory to the City and which meet either of the following criteria : (1) an insurer with a current A.M. Best's rating no less than A-:VII and licensed as an admitted insurance carrier in California; or (2) an insurer with a current A.M. Best's rating no less than A-:X and authorized to issue the required policies in California.

3.2.10.10 Verification of Coverage. Consultant shall furnish City with original certificates of insurance, as well as amendatory endorsements or copies of the applicable policy language effecting coverage required by this Agreement. All documents must be received and approved by the City before any Services commence; provided, however, that failure to obtain the required documents prior to the commencement of Services shall not waive Consultant's obligation to provide them. The City reserves the right to require complete, certified copies of all required insurance policies, at any time.

3.2.10.11 Reporting of Claims. Consultant shall report to the City, in addition to Consultant's insurer, any and all insurance claims submitted by Consultant in connection with the Services under this Agreement.

3.2.10.12 Sub-Consultants. All sub-consultants shall comply with each and every insurance provision of this Section 3.2.10. Consultant shall therefore not allow any sub-consultant to commence work on any subcontract to perform any part of the Services until it has provided evidence satisfactory to the City that the sub-consultant has secured all insurance required under this Agreement.

3.2.10.13 Special Risk or Circumstances. The City reserves the right, in its sole and absolute discretion, to modify the requirements of this Section 3.2.10, including limits, based on any of the following: (A) the nature of the risk of the Services; (B) the prior experience of the insured; (C) the rating or other quality or characteristic of the insurer; (D) any special or unique coverage issues; and (E) any other special or unique circumstances.

3.2.11 Safety. Consultant shall execute and maintain its work and Services so as to avoid injury or damage to any person or property. In carrying out its Services, the Consultant shall at all times be in compliance with all applicable local, state and federal laws, rules and regulations, and shall exercise all necessary precautions for the safety of employees appropriate to the nature of the Services and the conditions under which the Services are to be performed.

3.2.12 Accounting Records. Consultant shall maintain complete and accurate records with respect to all costs and expenses incurred under this Agreement. All such records shall be clearly identifiable. Consultant shall allow a representative of City during normal business hours to examine, audit, and make transcripts or copies of such records and any other documents created pursuant to this Agreement. Consultant shall allow inspection of all work, data, documents,

proceedings, and activities related to the Agreement for a period of three (3) years from the date of final payment under this Agreement.

3.3 Fees and Payments.

3.3.1 Rates & Total Compensation. Consultant shall receive compensation, including authorized reimbursements, for all Services rendered under this Agreement at the rates set forth in Exhibit "C" attached hereto and incorporated herein by reference. The total compensation, including authorized reimbursements, shall not exceed **Five Hundred Twenty-five Thousand Four Hundred Eleven Dollars (\$525,411.00)** ("Total Compensation"), without written approval of City's Authorized Contracting Party. Extra Work may be authorized, as described below, and if authorized, will be compensated at the rates and manner set forth in this Agreement.

3.3.2 Payment of Compensation. Consultant shall submit to City a monthly itemized statement which indicates work completed and hours of Services rendered by Consultant. The statement shall describe the amount of Services and supplies provided since the initial commencement date, or since the start of the subsequent billing periods, as appropriate, through the date of the statement. City shall, within 30 days of receiving such statement, review the statement and pay all approved charges thereon.

3.3.3 Reimbursement for Expenses. Consultant shall not be reimbursed for any expenses unless authorized in writing by City.

3.3.4 Extra Work. At any time during the Term of this Agreement, City may request that Consultant perform Extra Work. As used herein, "Extra Work" means any work which is determined by City to be necessary for the proper completion of the Project, but which the Parties did not reasonably anticipate would be necessary at the execution of this Agreement. Consultant shall not perform, nor be compensated for, Extra Work without written authorization from City's Representative.

3.3.5 Prevailing Wages. Consultant is aware of the requirements of Chapter 1 (beginning at Section 1720 et seq.) of Part 7 of Division 2 of the California Labor Code, as well as Title 8, Section 16000 et seq. of the California Code of Regulations ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. Since the Services 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 and its subconsultants shall fully comply with the Prevailing Wage Laws for their employees and any others to whom such laws are applicable. Consultant and its subconsultants shall also be responsible for any and all violations and fines imposed on them pursuant to the Prevailing Wage Laws. Pursuant to SB 854, which amended the Prevailing Wage Laws, this Agreement would also be subject to compliance monitoring and enforcement by the California Department of Industrial Relations ("DIR"). Beginning April 1, 2015, no consultant or subconsultant may be awarded this Agreement unless registered with the DIR pursuant to Labor Code Section 1725.5. The City will report all necessary agreements to the DIR as required by the 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. It is most efficient for the Consultant to obtain a copy of the prevailing wages in effect at the commencement of this Agreement from the website of the Division of Labor Statistics and Research of the DIR located at www.dir.ca.gov/dlsr/. In the alternative, Consultant may obtain a copy of the prevailing wages from the City's Representative. Consultant shall defend, indemnify and hold the City, its elected officials, officers, employees and agents free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws.

3.4 Termination of Agreement.

3.4.1 Grounds for Termination. City may, by written notice to Consultant, terminate the whole or any part of this Agreement at any time and without cause by giving written notice to Consultant of such termination, and specifying the effective date thereof, at least seven (7) days before the effective date of such termination. Upon termination, Consultant shall be compensated only for those Services which have been adequately rendered to City, as well as any authorized reimbursable expenses, and Consultant shall be entitled to no further compensation. Consultant may not terminate this Agreement except for cause.

3.4.2 Effect of Termination. If this Agreement is terminated as provided herein, City may require Consultant to provide all finished or unfinished Documents and Data and other information of any kind prepared by Consultant in connection with the performance of Services under this Agreement. Consultant shall be required to provide such document and other information within fifteen (15) days of the request.

3.4.3 Additional Services. In the event this Agreement is terminated in whole or in part as provided herein, City may procure, upon such terms and in such manner as it may determine appropriate, services similar to those terminated.

3.5 Ownership of Materials and Confidentiality.

3.5.1 Documents & Data; Licensing of Intellectual Property. This Agreement creates a non-exclusive and perpetual license for City to copy, use, modify, reuse, or sublicense any and all copyrights, designs, and other intellectual property embodied in plans, specifications, studies, drawings, estimates, and other documents or works of authorship fixed in any tangible medium of expression, including but not limited to, physical drawings or data magnetically, electronically or otherwise recorded or stored, which are prepared or caused to be prepared by Consultant under this Agreement ("Documents & Data"). All Documents & Data shall be and remain the property of City, and shall not be used in whole or in substantial part by Consultant on other projects without the City's express written permission. Within thirty (30) days following the completion, suspension, abandonment or termination of this Agreement, Consultant shall provide to City reproducible copies of all Documents & Data, in a form and amount required by City. City reserves the right to select the method of document reproduction and to establish where the reproduction will be accomplished. The reproduction expense shall be borne by City at the actual cost of duplication. In the event of a dispute regarding the amount of compensation to which the

Consultant is entitled under the termination provisions of this Agreement, Consultant shall provide all Documents & Data to City upon payment of the undisputed amount. Consultant shall have no right to retain or fail to provide to City any such documents pending resolution of the dispute. In addition, Consultant shall retain copies of all Documents & Data on file for a minimum of five (5) years following completion of the Project, and shall make copies available to City upon the payment of actual reasonable duplication costs. In addition, before destroying the Documents & Data following this retention period, Consultant shall make a reasonable effort to notify City and provide City with the opportunity to obtain the documents.

3.5.2 Subconsultants. Consultant shall require all subconsultants to agree in writing that City is granted a non-exclusive and perpetual license for any Documents & Data the subconsultant prepares under this Agreement. Consultant represents and warrants that Consultant has the legal right to license any and all Documents & Data. Consultant makes no such representation and warranty in regard to Documents & Data which were prepared by design professionals other than Consultant or its subconsultants, or those provided to Consultant by the City.

3.5.3 Right to Use. City shall not be limited in any way in its use or reuse of the Documents and Data or any part of them at any time for purposes of this Project or another project, provided that any such use not within the purposes intended by this Agreement or on a project other than this Project without employing the services of Consultant shall be at City's sole risk. If City uses or reuses the Documents & Data on any project other than this Project, it shall remove the Consultant's seal from the Documents & Data and indemnify and hold harmless Consultant and its officers, directors, agents and employees from claims arising out of the negligent use or re-use of the Documents & Data on such other project. Consultant shall be responsible and liable for its Documents & Data, pursuant to the terms of this Agreement, only with respect to the condition of the Documents & Data at the time they are provided to the City upon completion, suspension, abandonment or termination. Consultant shall not be responsible or liable for any revisions to the Documents & Data made by any party other than Consultant, a party for whom the Consultant is legally responsible or liable, or anyone approved by the Consultant.

3.5.4 Indemnification. Consultant shall defend, indemnify and hold the City, its directors, officials, officers, employees, volunteers and agents free and harmless, pursuant to the indemnification provisions of this Agreement, for any alleged infringement of any patent, copyright, trade secret, trade name, trademark, or any other proprietary right of any person or entity in consequence of the use on the Project by City of the Documents & Data, including any method, process, product, or concept specified or depicted.

3.5.5 Confidentiality. All Documents & Data, either created by or provided to Consultant in connection with the performance of this Agreement, shall be held confidential by Consultant. All Documents & Data shall not, without the prior written consent of City, be used or reproduced by Consultant for any purposes other than the performance of the Services. Consultant shall not disclose, cause or facilitate the disclosure of the Documents & Data to any person or entity not connected with the performance of the Services or the Project. Nothing furnished to Consultant that is otherwise known to Consultant or is generally known, or has become known, to the related industry shall be deemed confidential. Consultant shall not use City's name or insignia,

photographs of the Project, or any publicity pertaining to the Services or the Project in any magazine, trade paper, newspaper, television or radio production or other similar medium without the prior written consent of City.

3.6 General Provisions.

3.6.1 Delivery of Notices. All notices permitted or required under this Agreement shall be given to the respective Parties at the following address, or at such other address as the respective Parties may provide in writing for this purpose:

Consultant:

SCST, Inc.
6280 Riverdale Street
San Diego, CA 92120
Attn: Neal W. Clements, P.E.

City:

City of Corona
400 South Vicentia Avenue
Corona, CA 92882
Attn: Nelson D. Nelson, P.E.
Public Works Director

Such notice shall be deemed made when personally delivered or when mailed, forty-eight (48) hours after deposit in the U.S. Mail, first class postage prepaid and addressed to the Party at its applicable address. Actual notice shall be deemed adequate notice on the date actual notice occurred, regardless of the method of service.

3.6.2 Indemnification. To the fullest extent permitted by law, Consultant shall defend (with counsel of City's choosing), indemnify and hold the City, its directors, officials, officers, employees, volunteers and agents free and harmless from any and all claims, demands, causes of action, costs, expenses, liability, loss, damage or injury of any kind, in law or equity, to property or persons, including wrongful death, to the extent arising out of, pertaining to, or incident to any alleged willful misconduct or negligent acts, errors or omissions of Consultant, its officials, officers, employees, subcontractors, consultants or agents in connection with the performance of the Consultant's Services, the Project or this Agreement, including without limitation the payment of all settlement amounts, expert witness fees and attorneys fees and other related costs and expenses. Notwithstanding the foregoing, to the extent Consultant's Services are subject to Civil Code Section 2782.8, the above indemnity shall be limited, to the extent required by Civil Code Section 2782.8, to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant. Consultant's obligation to indemnify shall survive expiration or termination of this Agreement, and shall not be restricted to insurance proceeds, if any, received by the City, its directors, officials, officers, employees, agents, or volunteers.

3.6.3 Governing Law; Government Code Claim Compliance. This Agreement shall be governed by the laws of the State of California. Venue shall be in Riverside County. In addition to any and all contract requirements pertaining to notices of and requests for compensation or payment for extra work, disputed work, claims and/or changed conditions, Consultant must comply with the claim procedures set forth in Government Code Sections 900 et seq. prior to filing any lawsuit against the City. Such Government Code claims and any subsequent lawsuit based upon the Government Code claims shall be limited to those matters that remain unresolved after all procedures pertaining to extra work, disputed work, claims, and/or changed conditions have been followed by Consultant. If no such Government Code claim is submitted, or if any prerequisite contractual requirements are not otherwise satisfied as specified herein, Consultant shall be barred from bringing and maintaining a valid lawsuit against the City.

3.6.4 Time of Essence. Time is of the essence for each and every provision of this Agreement.

3.6.5 City's Right to Employ Other Consultants. City reserves right to employ other consultants in connection with this Project.

3.6.6 Successors and Assigns. This Agreement shall be binding on the successors and assigns of the Parties.

3.6.6.1 Subconsultants; Assignment or Transfer. Consultant shall not subcontract any portion of the Services required under this Agreement, except as expressly authorized herein, without the prior written approval of the City. Subcontracts, if any, shall include a provision making them subject to all provisions of this Agreement. Consultant shall also not assign, hypothecate or transfer, either directly or by operation of law, this Agreement or any interest herein without the prior written consent of the City. Any attempt to subcontract or take any other action not authorized herein shall be null and void, and any subconsultants, assignees, hypothecates or transferees shall acquire no right or interest by reason of such action.

3.6.7 Construction; References; Captions. Since the Parties or their agents have participated fully in the preparation of this Agreement, the language of this Agreement shall be construed simply, according to its fair meaning, and not strictly for or against any Party. Any term referencing time, days or period for performance shall be deemed calendar days and not work days. All references to Consultant include all personnel, employees, agents, and subconsultants of Consultant, except as otherwise specified in this Agreement. All references to City include its elected officials, officers, employees, agents, and volunteers except as otherwise specified in this Agreement. The captions of the various articles and paragraphs are for convenience and ease of reference only, and do not define, limit, augment, or describe the scope, content or intent of this Agreement.

3.6.8 Amendment; Modification. No supplement, modification or amendment of this Agreement shall be binding unless executed in writing and signed by both Parties.

3.6.9 Waiver. No waiver of any default shall constitute a waiver of any other default or breach, whether of the same or other covenant or condition. No waiver, benefit,

privilege, or service voluntarily given or performed by a Party shall give the other Party any contractual rights by custom, estoppel or otherwise.

3.6.10 No Third Party Beneficiaries. Except to the extent expressly provided for in Section 3.6.6, there are no intended third party beneficiaries of any right or obligation assumed by the Parties.

3.6.11 Invalidity; Severability. If any portion of this Agreement is declared invalid, illegal, or otherwise unenforceable by a court of competent jurisdiction, the remaining provisions shall continue in full force and effect.

3.6.12 Prohibited Interests. Consultant maintains and warrants that it has not employed nor retained any company or person, other than a bona fide employee working solely for Consultant, to solicit or secure this Agreement. Further, Consultant warrants that it has not paid nor has it agreed to pay any company or person, other than a bona fide employee working solely for Consultant, any fee, commission, percentage, brokerage fee, gift or other consideration contingent upon or resulting from the award or making of this Agreement. Consultant further agrees to file, or shall cause its employees or subconsultants to file, a Statement of Economic Interest with the City's Filing Officer as required under state law in the performance of the Services. For breach or violation of this warranty, City shall have the right to rescind this Agreement without liability. For the Term of this Agreement, no member, officer or employee of City, during the term of his or her service with City, shall have any direct interest in this Agreement, or obtain any present or anticipated material benefit arising therefrom.

3.6.13 Cooperation; Further Acts. The Parties shall fully cooperate with one another, and shall take any additional acts or sign any additional documents as may be necessary, appropriate or convenient to attain the purposes of this Agreement.

3.6.14 Attorney's Fees. If either Party commences an action against the other Party, either legal, administrative or otherwise, arising out of or in connection with this Agreement, the prevailing Party in such litigation shall be entitled to have and recover from the losing Party reasonable attorney's fees and all other costs of such action.

3.6.15 Authority to Enter Agreement. Consultant has all requisite power and authority to conduct its business and to execute, deliver, and perform the Agreement. Each Party warrants that the individuals who have signed this Agreement have the legal power, right, and authority to make this Agreement and bind each respective Party.

3.6.16 Counterparts. This Agreement may be signed in counterparts, each of which shall constitute an original.

3.6.17 Entire Agreement. This Agreement contains the entire Agreement of the Parties with respect to the subject matter hereof, and supersedes all prior negotiations, understandings or agreements. This Agreement may only be modified by a writing signed by both Parties.

[SIGNATURES ON NEXT 2 PAGES]

CITY'S SIGNATURE PAGE FOR
CITY OF CORONA
PROFESSIONAL SERVICES AGREEMENT
WITH SCST, INC.
(GEOTECHNICAL, MATERIALS TESTING AND SOURCE INSPECTION SERVICES
CAJALCO/I-15 INTERCHANGE IMPROVEMENT PROJECT)

IN WITNESS WHEREOF, the Parties have entered into this Agreement as of the date first written above.

CITY OF CORONA

By: _____
Nelson D. Nelson, P.E.
Public Works Director

Reviewed By:

Tom Koper, P.E.
Assistant Public Works Director

Reviewed By:

Cita Longworth
Purchasing Manager

Attest:

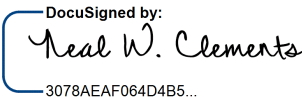
Lisa Mobley, City Clerk
City of Corona, California

CONSULTANT'S SIGNATURE PAGE FOR
CITY OF CORONA
PROFESSIONAL SERVICES AGREEMENT
WITH SCST, INC.
(GEOTECHNICAL, MATERIALS TESTING AND SOURCE INSPECTION SERVICES
CAJALCO/I-15 INTERCHANGE IMPROVEMENT PROJECT)

IN WITNESS WHEREOF, the Parties have entered into this Agreement as of the date first written above.

SCST, INC.

a California corporation


By: 
3078AEAF064D4B5...
Signature

Neal W. Clements

Name

CEO

Title (CEO, President, V.P.)

By: 
3078AEAF064D4B5...
Signature

william ulmer

Name

CFO

Title (Secretary, CFO, Treasurer)

EXHIBIT "A"

SCOPE OF SERVICES

Background and Project Description

The Project will provide for the reconstruction of the interchange located on Interstate 15 at Cajalco Road in the City of Corona. The proposed improvements will increase the capacity of the bridge and ramps in order to reduce congestion and accommodate projected growth in the area. The Project includes the construction of a six-lane overcrossing bridge on a new alignment north of the existing bridge. In addition, the existing northbound and southbound ramp intersections will be reconfigured and all existing ramps will be realigned. The existing northbound on-ramp will be modified to serve the westbound Cajalco Road traffic and a northbound loop on-ramp will be constructed to serve the eastbound Cajalco Road traffic. The new bridge will consist of six 12' lanes, a 12' striped median, 8' outside shoulders, and a 5' sidewalk on the south side. The Project includes all associated noise mitigation and utility relocation. Final design plans, specifications, and estimate for the Cajalco/I-15 Interchange Improvement Project were completed by Jacobs Engineering Group. It is the responsibility of the Consultant to review the available construction plans and specifications and provide services directly related to the Project in accordance with Caltrans and City Standards.

The Project will be closely coordinated with ongoing design-build efforts of the proposed I-15 Express Lanes Project by Riverside County Transportation Commission (RCTC), the ongoing Arantine Hills Development Project, and the Riverside County Transportation Department proposed widening and realignment of Cajalco Road between Temescal Canyon Road to the west and Interstate 215 to the east. In addition, the City's Department of Water & Power (CDWP) may start construction of the WRF3 Sewer Force Main and the Arantine Hills Sewer Lift Station and pipeline, and Caltrans Fiber Optic Communication System Installation Project between El Cerrito Interchange and State Route 60.

A Construction Contract in the amount of approximately \$45,000,000 was awarded on June 28, 2017 to Riverside Construction Company, Inc. A Construction Contract Administration Contract was awarded on June 28, 2017 to Southstar Engineering and Consulting Inc. Construction is estimated to start in September 2017 and construction is anticipated to last approximately 516 Working Days.

The City does not have staff to perform such services or to certify testers, therefore, Consultant shall perform such tests. Consultant shall have a current Quality Assurance Program (QAP) that complies with all aspects of the City's QAP.

The approved QAP must also be in conformance with Caltrans Local Assistant Procedures Manual (LAPM), Chapter 16. Consultant shall file their QAP with the City prior to award of the contract. Additionally, the QAP must be certified by authorized personnel pre-dated no more than 24 months from contract award. The QAP must also be kept current and updated every 24 months at a minimum.

The Consultant, acting as an agent of City, shall provide administrative, management, and related services as required to provide the necessary services.

Consultant shall provide all necessary instruments, tools, and safety equipment required for their personnel to perform their work accurately, efficiently, and safely. In addition to the requirements specified elsewhere in this contract, the following also shall apply:

- a) Consultant shall conform to the safety provisions of OSHA's Construction and Safety Manuals.
- b) Consultant's personnel shall wear white safety hard hats, safety vests, rubber-soled shoes, or other approved attire at all times while working in the field.
- c) Consultant shall provide appropriate safety training for all Consultant's personnel required to work on and near the Project site including Rail Safety.
- d) All safety equipment and personnel protective devices and gear shall be provided by the Consultant.
- e) BNSF Safety online training.

A. SCHEDULE OF PERFORMANCE

Consultant shall perform materials testing and geotechnical services in accordance with Caltrans and/or City (Greenbook) standards for the Project. Consultant may also be requested to evaluate existing infrastructure and prepare a formal report presenting options and recommendations to mediate or address various problems. Consultant shall submit its proposed schedule of performance based on its review of the Project plans, specifications and contract documents and its assessment of the required type and quantity of applicable tests. The tabulation below is not all inclusive and additional testing may be proposed by Consultant. Consultant must be, at a minimum, certified to perform all tests listed below. Required minimum tests to be performed shall be:

Test	Tests Quantity
Gama-Gama Logging Test (GGL Test)	6
Cross Hole Sonic Test (CSL Test)	6
Soil and Aggregate Sample Preparation	16
CT 205, Determine Percentage of Crushed Particles	16
CT 206, Specific Gravity and Absorption of Coarse Aggregate	16
CT 207, Specific Gravity and Absorption of Fine Aggregate	16
CT 208, Apparent Specific Gravity of Soil	16
CT 209, Specific Gravity of Soil	16
CT 211, Coarse Aggregate by use of LA Abrasion Testing Machine	16
CT 226, Moisture Content of Soils and Aggregate by Oven Drying	16
CT 227, Evaluating Cleanness of Coarse Aggregate	16
Sieve Analysis, Coarse and Fine	24
Soil PH	16
R-Value	16
Relative Compaction	181
CT 229, Durability Index	16

CT 235, Percentage of Flat and Elongated Particles in Coarse Aggregate	16
Asphalt Content by Extraction, CT 382	17
Aggregate Gradation	17
Sand Equivalent	16
CT 304, Preparation of HMA for Test Specimens	17
CT 308 Method of Test for Determining Bulk Specific Gravity and Density of HMA	17
CT 309 Method of Test for theoretical Maximum Specific Gravity and Density of HMA	17
CT 366, Test for Stabilometer Value	17
CT 370, Moisture Content of Bituminous Mixtures or Graded Mineral Aggregate Using Microwave Ovens	17
CT 382, Determination of Asphalt Content of Bituminous Paving Mixtures by the Ignition Method	17
Maximum Density Test	200
Mix Moisture Content	17
CT 379, Determining Asphalt Content of Bituminous Mixtures by use of Nuclear Gage	17
ASR Reactivity	1
Cleanness Value	2
Coarse Aggregate Durability	2
Concrete Trial Batch	2
CT 518, Test for Unit Weight of Fresh Concrete	4
CT 504, Test for Air Contents of Freshly Mixed Concrete	4
CT 521, Concrete Compressive Strength of Molded Concrete Cylinders	120
CT 533, Test for Ball Penetration in Fresh Concrete or CT 556 Test for Slump of Fresh Concrete	40
CT 539, Test for Sampling Fresh Concrete	40
CT 540, Test for Making, Handling, and Storing Concrete Compressive Test Specimens	40
CT 557, Test for Temperature of Freshly Mixed Concrete	40
Mechanical Couplers Slippage	18
Mechanical Couplers Tensile	18
Tests for Welded # 7 Hoops, Slippage and Tensile Strength	50
Source Inspection for MSE Panels	10
Source Inspection for Driven Piles class 90 (tot. 51) & 140 (tot. 189)	20
Bridge Profilograph CT 547	2

Some of the tests and quantities may not be used

In addition, Consultant shall review settlement monitoring data provided by the Contractor, develop conclusions regarding the progress of settlement, recommendations and assist with estimation of when the majority of the settlement will have occurred. Prepare report and submit to City. For cost proposal purposes use the following:

TASK	UNITS
Settlement Monitoring	
Data Review and Analysis	10 data sets
Meetings	20 hours
Reports and submittals	8 sets
Review and Response to Contractors RFI's	20 each

All required testing shall include the following information at a minimum:

1. Project Number
2. Project Identification Number
3. Project Location
4. Sample Description
5. Sample Results
6. Date Samples Collected
7. Date Tested with name of tester
8. Date Sample Analyzed
9. Analytical Summary of Testing Method
10. Special Provision and other standard
11. QAP Certifications

At the end of the Project, Consultant shall submit to the City a summary report summarizing all failed and passing tests. The report shall include for all tests, the test performed, testing dates and test standard used.

In general, laboratory testing will require that a hard or electronic copy of the results be submitted within 5 working days of the completion of the test. Field testing / compaction results of subgrade or asphalt concrete shall be communicated to City personnel as soon as the tests have been completed, on the same day of testing, with a hard copy to follow.

Consultant must furnish satisfactory evidence of their ability and experience in testing and materials inspection for roads, utilities and bridges project and have sufficient laboratory capacity and capital to enable them to persecute and complete the work within the given time period.

Consultant shall list all certifications that the laboratory and their personnel possess and the types of inspections and testing that they can perform. Consultant must verify that they can comply with all aspects of the City's QAP as discusses above.

Contract Documents – Review the project plans, specification, and geotechnical report, to gain a thorough understanding of the required materials sampling and testing frequencies and test methods to be used.

Submittals

- Submit Certificates of Proficiency for field and laboratory samples and testers to be used on the project

- Submit certified payrolls directly to the Project Resident Engineer.
- Submit material test results directly to the Resident Engineer, indicating the material tested, description of the location where the test was performed or the sample was taken, date and time the test was performed or sample, the test method used, the approximate quantity of material represented by the test, and clearly identify a pass or fail result. The laboratory's responsible Engineer must certify all test results performed.

Resident Engineer Coordination – Coordinate material testing activities and source inspections with the Resident Engineer in an effective manner to facilitate timely sampling and testing of materials, and documentation of field observation and test results. Generally, test for material with “wait-times” should be reported to the Resident Engineer within 24 hours after testing.

Construction Observation - During routine site visits to sample and test materials, observe the methods used by the Contractor to place materials. Document any observed construction practices that may cause non-conforming test results. Immediately report these documented deficiencies to the Resident Engineer.

Source Inspection - Consultant shall be responsible for finalizing a Source Inspection Quality Management Plan (SIQMP) to match the project requirements, assist the City in gaining Caltrans approval, and manage the SIQMP. The SIQMP shall meet City and Caltrans requirements. Consultant shall provide Structural Materials Representative (SMR), Steel inspectors, Non-destructive Steel Inspectors, Coating Inspectors, Precast Concrete Inspectors and other source inspectors as needed. Source inspection of material must conform to the Source Inspection Quality Managements Plan (SIQMP) prepared by the Consultant and approved by Caltrans and the project specifications. Consultant must also provide copies of required certifications, resumes, and other qualifying experience for the City.

Summary Log of Materials Tests - Maintain a Summary Log of Material Tests performed throughout the duration of the project. The summary log shall include appropriate date such as location where the test or sample was taken, date, time method used, approximate quantity of material represented by the test, test results, and the tester name. At the end of the project, submit the Summary Log of Material Test to the City's Resident Engineer.

Response Time - Test and test results:

Consultant must be able to commence testing within six (6) hours of notification by telephone by authorized City personnel only. The City will make every attempt to give as much notice as possible and under normal circumstances; such notification shall be twenty-four (24) hours.

B. STANDARDS

Testing will be performed in accordance with City's Standards and Procedures using California Test Methods (CTM), ASTM, AASHTO. Consultant will be well versed with and be responsible for complying with Project Plans, City's Standards, Greenbook, Project Specifications, Caltrans Standards, ASTM Standards, ASSTO Standards and APWA Standards.

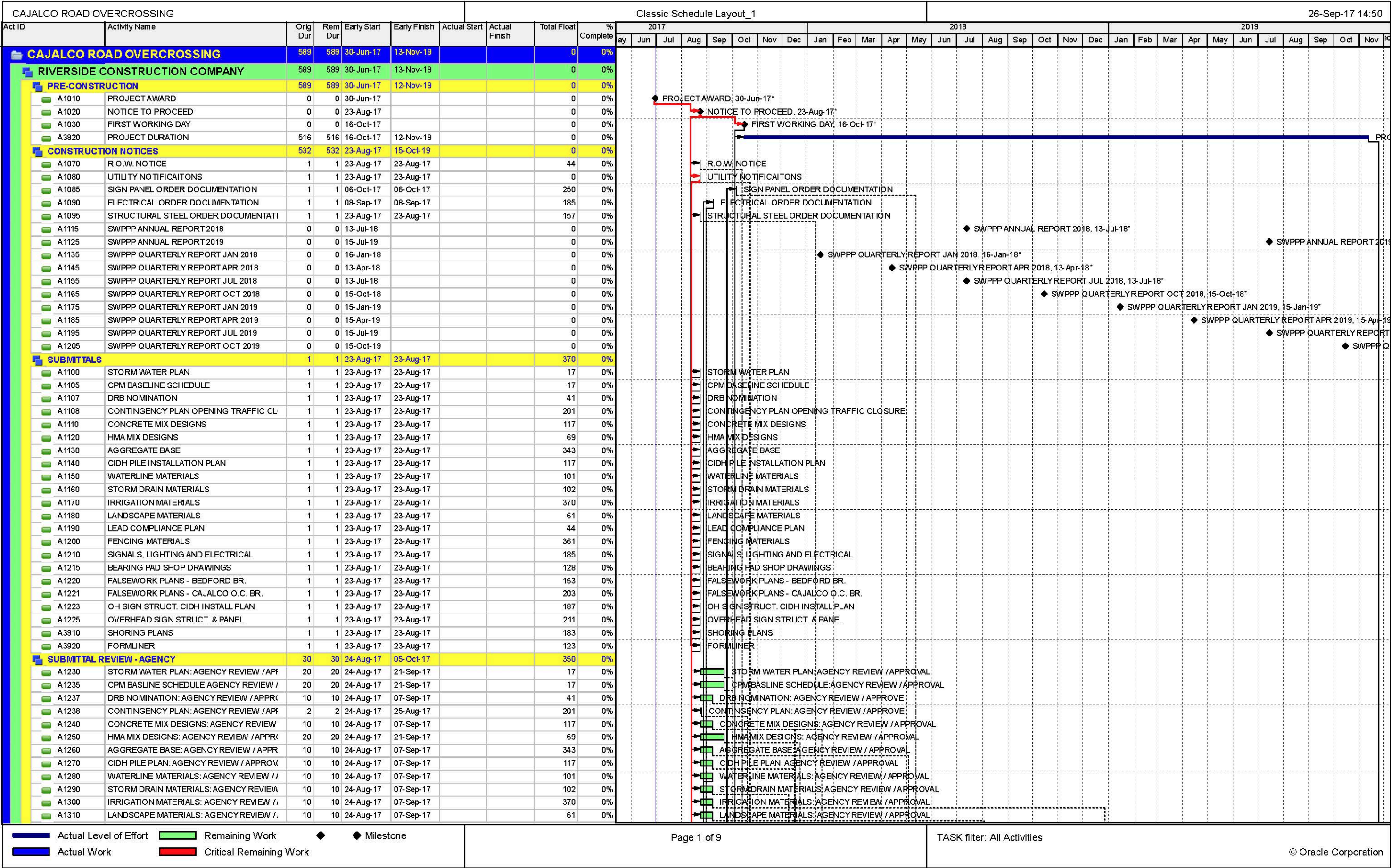
Caltrans technician and laboratory certification is required and ASTM and ASSHTO accreditation may also be necessary to satisfy the needs of the investigation and/or construction monitoring for this Project.

Consultant shall complete a draft report to summarize the findings, conclusions, results and recommendations for the Project and submit two (2) copies for review. All test results, including raw data and measurements, shall be provided as an attachment to the report. The draft report shall be signed and license stamped by the responsible professionals who worked on the Project. After a written approval of the draft report, the Consultant shall complete the final report within 10 working days and submit 3 copies of the final report with exhibits and attachments for the City's final review and approval.

**EXHIBIT “B”
SCHEDULE OF SERVICES**





Consultant shall furnish to the City all labor, materials, tools, equipment, services and incidental and customary work necessary to adequately supply the professional geotechnical, materials testing and source inspection services for the Project as directed by the City’s Representative on an as needed basis pursuant to the Construction Contractor’s Baseline Schedule, attached hereto and incorporated herein by this reference, within the Term of this Agreement.

[CONTRACTOR’S BASELINE SCHEDULE ON FOLLOWING NINE (9) PAGES]



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A3890	MAINTAIN ELECTRICAL	4	4	03-Nov-17	08-Nov-17			46	0%																																										
A3900	REMOVE EXIST ELECTRICAL	10	10	03-Nov-17	17-Nov-17			40	0%																																										
DRAINAGE																																																			
A1400	EXC. LAY. BKFL DS 1 AND 2	6	6	20-Dec-17	28-Dec-17			141	0%																																										
A1405	STORM DRAIN MINOR STRUCTURES	6	6	29-Dec-17	08-Jan-18			141	0%																																										
A1640	ROCK SLOPE PROTECTION	12	12	03-Nov-17	21-Nov-17			63	0%																																										
TEMPORARY CAJALCO RD BYPASS																																																			
A1428	INSTALL SWPPP MEASURES (CAJ BYPASS)	2	2	03-Nov-17	06-Nov-17			28	0%																																										
A1430	DRAINAGE - BYPASS	2	2	07-Nov-17	08-Nov-17			28	0%																																										
A1440	EARTHWORK / SUBGRADE - BYPASS	8	8	20-Dec-17	02-Jan-18			2	0%																																										
A1450	HMA PAVING - BYPASS	10	10	03-Jan-18	17-Jan-18			2	0%																																										
A1460	SIGN/STRIPE/SWITCH TRAFFIC ONTO BYPASS	4	4	18-Jan-18	23-Jan-18			2	0%																																										
WATER																																																			
A1470	CITY WATER	12	12	24-Jan-18	08-Feb-18			30	0%																																										
I-15 NB/CAJALCO OFF-RAMP BRIDGE																																																			
A1478	INSTALL SWPPP MEASURES (NB-RAMP BR)	2	2	20-Dec-17	21-Dec-17			43	0%																																										
A1480	ABUTMENT EXCAVATION	3	3	22-Dec-17	27-Dec-17			43	0%																																										
A1490	ABUTMENT 1 - PILING	7	7	28-Dec-17	08-Jan-18			43	0%																																										
A1500	ABUTMENT 2 - PILING	7	7	09-Jan-18	18-Jan-18			43	0%																																										
A1510	EXC TO TOP OF PILE / FINE GRADE FOOTING	1	1	19-Jan-18	19-Jan-18			58	0%																																										
A1520	ABUTMENT 1 - FORM / REBAR / STRIP	5	5	22-Jan-18	26-Jan-18			58	0%																																										
A1530	ABUTMENT 1 - PLACE PCC	1	1	29-Jan-18	29-Jan-18			63	0%																																										
A1540	ABUTMENT 2 - FORM / REBAR / STRIP	5	5	29-Jan-18	02-Feb-18			58	0%																																										
A1550	ABUTMENT 2 - PLACE PCC	1	1	05-Feb-18	05-Feb-18			58	0%																																										
A1555	BEARING PADS	5	5	06-Feb-18	13-Feb-18			58	0%																																										
A1560	FALSEWORK - UP	7	7	14-Feb-18	23-Feb-18			58	0%																																										
A1570	FORM SOFFIT AND STEMS	11	11	26-Feb-18	12-Mar-18			58	0%																																										
A1580	REINFORCEMENT - SOFFIT & STEMS	5	5	13-Mar-18	19-Mar-18			58	0%																																										
A1590	PLACE PCC SOFFIT & STEMS	1	1	20-Mar-18	20-Mar-18			58	0%																																										
A1600	FORM DECK	4	4	21-Mar-18	26-Mar-18			58	0%																																										
A1610	FORM EOD	2	2	27-Mar-18	28-Mar-18			58	0%																																										
A1620	REINFORCEMENT - DECK	5	5	29-Mar-18	04-Apr-18			58	0%																																										
A1630	PLACE PCC - DECK	1	1	05-Apr-18	05-Apr-18			58	0%																																										
A1650	DECK CURE	7	7	06-Apr-18	16-Apr-18			58	0%																																										
A1660	POST TENSIONING - STRESSING	4	4	17-Apr-18	20-Apr-18			58	0%																																										
A1670	F/P/ABUTMENT BACKWALLS	3	3	23-Apr-18	25-Apr-18			84	0%																																										
A1680	STRUCTURE BACKFILL - ABUTMENTS	4	4	26-Apr-18	01-May-18			84	0%																																										





 Actual Level of Effort
 Remaining Work

 Milestone
Page 4 of 9
TASK filter: All Activities
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	 PROJECT COMPLETION	10	10	29-Oct-19	13-Nov-19			0	0%																																
	 A3580 PUNCH LIST / CLEAN-UP	10	10	29-Oct-19	12-Nov-19			0	0%																																
	 A3590 AGENCY OWNED FLOAT	0	0	13-Nov-19	13-Nov-19			0	0%																																
	 A3600 PROJECT COMPLETION	0	0		13-Nov-19			0	0%																																

Actual Level of Effort

Actual Work

Remaining Work

Critical Remaining Work

◆

◆ Milestone

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TASK filter: All Activities

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EXHIBIT "C"

COMPENSATION

Total Compensation shall not exceed \$525,411.00 without authorized written approval of the City's authorized contracting party.

BUDGET ESTIMATE SUMMARY

EARTHWORK OBSERVATION AND COMPACTION TESTING SERVICES

	Estimated Hours/Unit		Rate/Unit	Total Cost
FIELD STAFF				\$335,527.20
Gamma-Gamma Log Testing (GGL Test)	6 visits	@	\$1,956.00 /visit	\$11,736.00
Cross Hole Sonic Testing (CSL Test)	6 visits	@	\$3,420.00 /visit	\$20,520.00
Soils Technician (Relative Compaction)	800 hours	@	\$90.00 /hour	\$72,000.00
Asphalt Technician	320 hours	@	\$90.00 /hour	\$28,800.00
Cast-in-Place (CIP) Concrete Inspection (Sampling Fresh Concrete)	320 hours	@	\$90.00 /hour	\$28,800.00
Bridge Profilograph	2 days	@	\$2,700.00 /day	\$5,400.00
Source Inspection for Mechanically Stabilized Concrete -Precast Concrete Panels	80 hours	@	\$113.40 /hour	\$9,072.00
Source Inspection for Jointed Plain Concrete Pavement - Epoxy Coated Bars	16 hours	@	\$113.40 /hour	\$1,814.40
Source Inspection for CIDH Piles - Hoops and Couplers	96 hours	@	\$113.40 /hour	\$10,886.40
Source Inspection for Prestressing CIP Concrete - Strands, PT Anchorage	40 hours	@	\$113.40 /hour	\$4,536.00
Source Inspection for Structural Concrete, Approach Slab (Type N) - Epoxy Coated Bars	16 hours	@	\$113.40 /hour	\$1,814.40
Source Inspection for Bar Reinforcing Steel (Bridge) - Hoops and Couplers	32 hours	@	\$113.40 /hour	\$3,628.80
Source Inspection for Furnish Sign Structure (Truss) - Sign Structure, Anchor Rods, High Strength Bolts and Galvanized Structure	72 hours	@	\$113.40 /hour	\$8,164.80
Source Inspection for Ramp Metering System - Poles and Arms, Anchor Rods, High Strength Bolts, LEDs	44 hours	@	\$113.40 /hour	\$4,989.60
Source Inspection for Existing Electrical System Modification - Poles and Arms, Anchor Rods, High Strength Bolts, Services and Cabinets, LEDs and Luminaires	96 hours	@	\$113.40 /hour	\$10,886.40
Travel Expenses for Source Inspections	87 trips	@	\$120.00 /trip	\$10,440.00
CIDH Piles Observation	240 hours	@	\$90.00 /hour	\$21,600.00
Structural Materials Representative	456 hours	@	\$176.40 /hour	\$80,438.40
PROJECT MANAGEMENT				\$29,360.00
Project Management/Meetings, Senior Project Manager	160 hours	@	\$156.00 /hour	\$24,960.00
Administrative Assistant	80 hours	@	\$55.00 /hour	\$4,400.00
PROFESSIONAL STAFF				\$18,000.00
Settlement Monitoring				
Meetings, Senior Project Manager	20 hours	@	\$156.00 /hour	\$3,120.00
Data Review and Analysis, Senior Professional	10 data sets	@	\$620.00 /data set	\$6,200.00
Reports and Submittals, Senior Professional	8 sets	@	\$310.00 /set	\$2,480.00
Review and Response to Contractors RFI's	20 each	@	\$310.00 /each	\$6,200.00

BUDGET ESTIMATE SUMMARY

EARTHWORK OBSERVATION AND COMPACTION TESTING SERVICES

	Estimated Hours/Unit		Rate/Unit	Total Cost
LABORATORY TESTING				\$142,523.00
Soil and Aggregate Sample Preparation	16 each	@	\$40.00 /each	\$640.00
CT 205, Determine Percentage of Crushed Particles	16 tests	@	\$121.00 /test	\$1,936.00
CT 206, Specific Gravity and Absorption of Coarse Aggregate	16 tests	@	\$107.00 /test	\$1,712.00
CT 207, Specific Gravity and Absorption of Fine Aggregate	16 tests	@	\$112.00 /test	\$1,792.00
CT 208, Apparent Specific Gravity of Soil	16 tests	@	\$112.00 /test	\$1,792.00
CT 209, Specific Gravity of Soil	16 tests	@	\$112.00 /test	\$1,792.00
CT 211, Coarse Aggregate by use of LA Abrasion Testing Machine	16 tests	@	\$224.00 /test	\$3,584.00
CT 226, Moisture Content of Soils and Aggregate by Oven Drying	16 tests	@	\$35.00 /test	\$560.00
CT 227, Evaluating Cleanness of Coarse Aggregate	16 tests	@	\$200.00 /test	\$3,200.00
Sieve Analysis, Coarse and Fine	24 tests	@	\$90.00 /test	\$2,160.00
Soil pH	16 tests	@	\$126.00 /test	\$2,016.00
Resistance-Value (R-Value)	16 tests	@	\$276.00 /test	\$4,416.00
CT 229, Durability Index	16 tests	@	\$224.00 /test	\$3,584.00
CT 235, Percentage of Flat and Elongated Particles in Coarse Aggregate	16 tests	@	\$175.00 /test	\$2,800.00
Aggregate Gradation	17 tests	@	\$90.00 /test	\$1,530.00
Sand Equivalent	16 tests	@	\$88.00 /test	\$1,408.00
CT 304, Preparation of HMA for Test Specimens	17 each	@	\$40.00 /each	\$680.00
CT 308, Method of Test for Determining Bulk Specific Gravity and Density of HMA	17 each	@	\$74.00 /each	\$1,258.00
CT 309, Method of Test for Theoretical Maximum Specific Gravity and Density of HMA	17 each	@	\$133.00 /each	\$2,261.00
CT 366, Test for Stabilometer Value	17 each	@	\$147.00 /each	\$2,499.00
CT 370, Moisture Content of Bituminous Mixtures or Graded Mineral Aggregate Using Microwave	17 each	@	\$50.00 /each	\$850.00
CT 379, Determining Asphalt Content of Bituminous Mixtures by use of Nuclear Gage	17 each	@	\$250.00 /each	\$4,250.00
CT 382, Determination of Asphalt Content of Bituminous Paving Mixtures by the Ignition Method	17 each	@	\$178.00 /each	\$3,026.00
Maximum Density Test (Included in Soils Technician Relative Compaction Testing)	0 tests	@	\$0.00 /test	\$0.00
ASR Reactivity	1 test	@	\$2,000.00 /test	\$2,000.00
Cleanness Value	2 tests	@	\$200.00 /test	\$400.00
Coarse Aggregate Durability	2 tests	@	\$224.00 /test	\$448.00
Concrete Trial Batch	2 tests	@	\$1,000.00 /test	\$2,000.00
CT 521, Concrete Compressive Strength of Molded Concrete Cylinders	480 cyls.	@	\$27.00 /cyl.	\$12,960.00
Mechanical Couplers Slippage	18 tests	@	\$420.00 /test	\$7,560.00
Mechanical Couplers Tensile	18 tests	@	\$185.00 /test	\$3,330.00
Tests for Welded #7 Hoops, Slippage and Tensile Strength	50 tests	@	\$420.00 /test	\$21,000.00
Epoxy Coated Bar Testing	28 tests	@	\$135.00 /test	\$3,780.00
Elastomere Seal Testing	4 tests	@	\$1,440.00 /test	\$5,760.00
PT Strand Testing	11 tests	@	\$185.00 /test	\$2,035.00

BUDGET ESTIMATE SUMMARY
EARTHWORK OBSERVATION AND COMPACTION TESTING SERVICES

	Estimated Hours/Unit		Rate/Unit	Total Cost
PT Anchorage Testing	1 set	@	\$1,200.00 /set	\$1,200.00
Bearing Pad Testing	4 tests	@	\$1,440.00 /set	\$5,760.00
Anchor Bolt Testing	14 tests	@	\$148.00 /test	\$2,072.00
High Strength Bolt Testing	14 tests	@	\$148.00 /test	\$2,072.00
LED Testing	17 tests	@	\$1,200.00 /test	\$20,400.00
TOTAL FOR EARTHWORK OBSERVATION AND COMPACTION TESTING SERVICES				\$525,410.20