

AGREEMENT FOR SERVICES

This Agreement is made and entered into this 5th day of June, 2023, by and between **THE CITY OF LA HABRA**, (hereinafter referred to as the "**CITY**"), and KOA Corporation (hereinafter referred to as the "**CONSULTANT**").

RECITALS

WHEREAS, **CITY** requires professional services for; On-call Professional Engineering, Construction Management, and Inspection Services,

WHEREAS, the **CONSULTANT** represents that it is qualified and experienced to provide such services; and,

NOW, THEREFORE, for and in consideration of the mutual promises, covenants and conditions herein contained, **CITY** and **CONSULTANT** hereby agree as follows:

ARTICLE I **SCOPE OF SERVICES AND TERM**

1.1 General Scope of Services.

A. **CITY** hereby engages **CONSULTANT**, and **CONSULTANT** hereby accepts such engagement, to perform the various services set forth in Exhibit "A" (the documents contained in Exhibit "A" shall be hereinafter referred to as the "Scope of Work").

B. All professional services to be provided by **CONSULTANT** pursuant to this Agreement shall be provided by personnel experienced in their respective fields and in a manner consistent with the standards of care, diligence, and skill ordinarily exercised by professional consultants in similar circumstances in accordance with sound professional practices.

C. Warranty: **CONSULTANT** warrants that it shall perform the professional services required by this Agreement in compliance with the federal and California laws related to minimum hours and wages, including but not limited to, 40 U.S.C.A. §§ 3141, et seq., California Labor Code, §§ 1171, et seq. and California Labor Code, §§ 6300, et seq.; fair employment practices, including but not limited to, 29 U.S.C. 651, et seq.; and fair employment, including but not limited to, 29 U.S.C. 201, et seq., The California Fair Employment and Housing Act California Government Code, §§ 12900, et seq., Title VI of the Civil Rights Act of 1964, as amended, 49 CFR 21 through appendix H and 23 CFR 710.405 (b); and all other federal, state and local laws and ordinances applicable to the work required under this Agreement.

D. Non-exclusive Agreement. **CONSULTANT** acknowledges that CITY may enter into agreements similar to this Agreement with other consultants.

1.2 Term.

The term of this Agreement shall begin on July 1, 2023 and continue until July 1, 2026; The City at its discretion, can extend the term of the Agreement for additional two (2) one-year extension or, until such time as it is terminated pursuant to the provisions in Article V of this Agreement.

ARTICLE II **RESPONSIBILITIES OF CONSULTANT**

2.1 Control and Payment of Subordinates.

CITY retains **CONSULTANT** as an independent contractor and not an employee of **CITY**. All personnel to be utilized by **CONSULTANT** in the performance of this Agreement 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 with respect to such personnel, including, but not limited to social security taxes, income tax withholding, unemployment insurance, and workers' compensation insurance.

2.2 Conformance to Applicable Requirements.

All services provided by **CONSULTANT** shall be subject to the approval of the **CITY**.

2.3 Standard of Care; Licenses.

All professional services to be provided by **CONSULTANT** pursuant to this Agreement shall be provided by personnel experienced in their respective fields and in a manner consistent with the standards of care, diligence and skill ordinarily exercised by professional consultants in similar circumstances in accordance with sound professional practices. **CONSULTANT** represents and warrants to **CITY** that it has all licenses, permits, qualifications and approvals that are legally required to practice its profession and to provide the services hereunder. **CONSULTANT** further represents and warrants that it shall keep in effect all such licenses, permit, and other approvals during the term of this Agreement.

2.4 Project Representatives.

The City Manager or his designee shall be the Project Representative of **CITY** for purposes of this Agreement and may issue all consents, approvals, directives and agreement on behalf of **CITY**, called for by this Agreement except as otherwise expressly provided in this Agreement. Project representative shall coordinate all phases of this project and shall be available to **CITY** at all reasonable times.

2.5 Accounting Records.

CONSULTANT shall maintain complete and accurate records with respect to costs and expenses incurred in the performance of this Agreement. All such records shall be clearly identifiable as being associated with this Agreement. **CONSULTANT** shall allow an authorized representative of **CITY**, during normal business hours, to examine, audit, and make transcripts of copies of such records. **CONSULTANT** shall allow **CITY** to inspect all work, data, documents, proceedings, and activities related to this Agreement for a period of three (3) years from the date of final payment (or completion of work) under this Agreement.

ARTICLE III **COMPENSATION**

3.1 Compensation.

Except as provided in this section, **CONSULTANT** shall receive compensation for all Services rendered under this Agreement at the rates set forth in the Schedule of Hourly Billing Rates attached hereto as Exhibit "B", and incorporated herein by reference. Total annual compensation shall not exceed four hundred fifty thousand dollars (\$450,000), without written approval of **CITY'S** Project Representative. **CONSULTANT** shall not receive compensation for any services provided outside the Scope of Work unless such additional services (hereinafter "Extra Work") are approved in writing by **CITY** or its appointed representative prior to **CONSULTANT** performing the "Extra Work".

3.2 Payment of Compensation.

CONSULTANT shall provide **CITY** an itemized monthly statement which indicates work completed, hours of service rendered and units of supplies provided to the Project by **CONSULTANT**, from July 1, 2023, or the start of the subsequent billing periods, as appropriate, through the date of the statement. **CITY** shall make any payment due within forty- five (45) days after approval of the invoice by **CITY**.

3.3 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 Extra Work until receiving prior written authorization from **CITY'S** Project Representative. It is specifically understood and agreed that oral requests and/or approvals of "Extra Work" shall be barred and are unenforceable.

3.4 Amendment of Scope of Work.

CITY shall have the right to amend the Scope of Work within the Agreement by written notification to the **CONSULTANT**. In such event, the compensation and time of performance shall be subject to renegotiation upon written demand of either party to the Agreement. Failure of **CONSULTANT** to secure **CITY'S** written authorization for "Extra Work" or changed work shall constitute a waiver of any and all right to adjustment in the contract price or time due, whether by way of compensation, restitution, quantum meruit, etc. for work done without the appropriate **CITY** authorization.

3.5 Reimbursement for Expenses

CONSULTANT shall not be reimbursed for any expenses unless prior written authorization is obtained from **CITY**.

ARTICLE IV **INSURANCE**

4.1 Insurance Requirements.

The **CITY** reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances. If the existing policies do not meet the Insurance Requirements set forth herein, **CONSULTANT** agrees to amend, supplement or endorse the policies to do so.

Without limiting the indemnity provisions of the Contract, the **CONSULTANT** shall procure and maintain in full force and effect during the term of the Contract, the following policies of insurance.

4.2 Minimum Scope of Insurance.

- (a) **Commercial General Liability (CGL)** which affords coverage at least as broad as Insurance Services Office "occurrence" form CG

00 01, including products and completed operations, property damage, bodily injury, and personal & advertising injury with limits no less than \$2,000,000 per occurrence. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

- (b) **Automobile Liability Insurance** with coverage at least as broad as Insurance Services Office Form CA 0001 covering “Any Auto” (Symbol 1) with limit no less than \$1,000,000 each accident for bodily injury and property damage.
- (c) **Workers’ Compensation** as required by the State of California with statutory limits, and Employer’s Liability Insurance with a limit of not less than \$1,000,000 per accident for bodily injury or disease.
- (d) **Professional Liability** with limit of not less than \$1,000,000 each claim and \$2,000,000 aggregate. Covered Professional Services shall specifically include all professional services to be performed under the contract and delete any exclusion that may potentially affect the work to be performed.

If the **CONSULTANT** maintains broader coverage and/or higher limits than the minimums shown above, the **CITY** requires and shall be entitled to the broader coverage and/or higher limits maintained by the **CONSULTANT**.

4.3 Endorsements.

Insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the **CITY** for approval. The insurance policies shall contain or be endorsed to contain, the following provisions:

- (a) Commercial General Liability
 - (1) **Additional Insured:** The City, its elected officials, officers, employees, volunteers, boards, agents and representatives shall be additional insureds with regard to liability and defense of suits or claims arising out of the work or operations performed by or on behalf of the Consultant including materials, parts or equipment furnished in connection with such work or operations. Additional Insured Endorsements shall not:
 1. Be limited to “Ongoing Operations”
 2. Exclude “Contractual Liability”
 3. Restrict coverage to the “Sole” liability of contractor

4. Exclude "Third-Party-Over Actions"
5. Contain any other exclusion contrary to the Contract Additional Insured Endorsements shall be at least as broad as ISO Form(s) CG 2010 and CG 20 37.

(2) **Primary Insurance:** This insurance shall be primary and any other insurance whether primary, excess, umbrella or contingent insurance, including deductible, or self-insurance available to the insureds added by endorsement shall be in excess of and shall not contribute with this insurance. Coverage shall be at least as broad as ISO CG 20 01 04 13.

(b) Auto Liability

(1) **Additional Insured:** The City, its elected officials, officers, employees, volunteers, boards, agents and representatives shall be additional insureds with regard to liability and defense of suits or claims arising out of the work or operations performed by or on behalf of the Consultant.

(2) **Primary Insurance:** This insurance shall be primary and any other insurance whether primary, excess, umbrella or contingent insurance, including deductible, or self-insurance available to the insureds added by endorsement shall be in excess of and shall not contribute with this insurance.

(c) Workers' Compensation

(1) **Waiver of Subrogation:** A waiver of subrogation stating that the insurer waives all rights of subrogation against the indemnified parties.

4.4 Insurance Obligations of Consultant.

The Insurance obligations under this agreement shall be: (1) all the Insurance coverage and/or limits carried by or available to the **CONSULTANT**; or (2) the minimum Insurance coverage requirements and/or limits shown in this agreement; whichever is greater. Any insurance proceeds in excess of or broader than the minimum required coverage and/or minimum required limits, which are applicable to a given loss, shall be available to the **CITY**. No representation is made that the minimum Insurance requirements of this agreement are sufficient to cover the obligations of the **CONSULTANT** under this agreement.

4.5 Notice of Cancellation.

Required insurance policies shall not be cancelled or the coverage reduced until a thirty (30) day written notice of cancellation has been served upon the **CITY** except ten (10) days shall be allowed for non-payment of premium.

4.6 Waiver of Subrogation.

Required insurance coverages shall not prohibit **CONSULTANT** from waiving the right of subrogation prior to a loss. **CONSULTANT** shall waive all rights of subrogation against the indemnified parties and Policies shall contain or be endorsed to contain such a provision. This provision applies regardless of whether the **CITY** has received a waiver of subrogation endorsement from the insurer.

4.7 Evidence of Insurance.

All policies, endorsements, certificates, and/or binders shall be subject to approval by the **CITY** as to form and content. These requirements are subject to amendment or waiver only if so approved in writing by the **CITY**. The **CITY** reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

The certificates and endorsements for each insurance policy shall be signed by a person authorized by that insurer to bind coverage on its behalf. At least fifteen (15) days) prior to the expiration of any such policy, evidence of insurance showing that such insurance coverage has been renewed or extended shall be filed with the **CITY**. If such coverage is cancelled or reduced, **CONSULTANT** shall, within ten (10) days after receipt of written notice of such cancellation or reduction of coverage, file with the **CITY** evidence of insurance showing that the required insurance has been reinstated or has been provided through another insurance company or companies.

4.8 Deductible or Self-Insured Retention.

Any deductible or self-insured retention must be approved in writing by the **CITY** and shall protect the indemnified parties in the same manner and to the same extent as they would have been protected had the policy or policies not contained a deductible or self-insured retention. The **CITY** may require the **CONSULTANT** to purchase coverage with a lower retention or provide proof of ability to pay losses and related investigations, claim administration and defense expenses within the retention.

4.9 Contractual Liability.

This indemnity provision shall be included on the **CONSULTANT'S** commercial general liability policy endorsement and/or certificates.

4.10 Failure to Maintain Coverage.

CONSULTANT agrees to suspend and cease all operations hereunder during such period of time as the required insurance coverage is not in effect and evidence of insurance has not been furnished to the **CITY**. The **CITY** shall have the right to withhold any payment due until **CONSULTANT** has fully complied with the insurance provisions of this Contract.

In the event that the **CONSULTANT'S** operations are suspended for failure to maintain required insurance coverage, the **CONSULTANT** shall not be entitled to an extension of time for completion of the Work because of production lost during suspension.

4.11 Acceptability of Insurers.

Each such policy shall be from a company or companies with a current A.M. Best's rating of no less than A:VII and authorized to do business in the State of California, or otherwise allowed to place insurance through surplus line brokers under applicable provisions of the California Insurance Code or any federal law. Any other rating must be approved in writing by the **CITY**.

4.12 Claims Made Policies.

If coverage is written on a claims-made basis, the retroactive date on such insurance and all subsequent insurance shall coincide or precede the effective date of the initial **CONSULTANT'S** Contract with the **CITY** and continuous coverage shall be maintained or an extended reporting period shall be exercised for a period of at least five (5) years from termination or expiration of this Contract.

4.13 Insurance for Subcontractors.

CONSULTANT shall be responsible for causing Subcontractors to purchase the same types and limits of insurance in compliance with the terms of this Contract/Agreement, including adding the **CITY** as an Additional Insured, providing Primary and Non-Contributory coverage and Waiver of Subrogation to the Subcontractor's policies. The Commercial General Liability Additional Insured Endorsement shall be on a form at least as broad as CG 20 38 04 13.

4.14 Additional Insurance.

Further, **CONSULTANT** shall obtain any additional kinds and amounts of insurance which, in its own judgment, may be necessary for the proper protection of any of its officers', employees', or authorized sub-consultant(s)' own actions during the performance of this Agreement.

ARTICLE V
TERMINATION AND INDEMNIFICATION

5.1 Notice of Termination.

CITY may terminate the whole or any part of this Agreement at any time and without cause by giving seven (7) days written notice to **CONSULTANT** of such termination, and specifying the effective date thereof. **CONSULTANT** shall discontinue all services affected by such termination within seven (7) days of receipt of such notice, unless otherwise instructed by **CITY** in writing. **CONSULTANT** shall not terminate this Agreement except for cause.

5.2 Termination Without Cause.

If **CITY** terminates this Agreement without cause, **CONSULTANT** shall be paid for services performed through the date of termination, upon receipt of written documentation of said services by **CITY**. Such payment shall include a pro-rated amount of profit, if applicable, but no amount shall be paid for anticipated profit on unperformed services.

5.2 Termination for Cause.

Should **CONSULTANT** default in the performance of any covenant, condition, or agreement contained in this Agreement and the default is not cured within thirty (30) days after written notice of the default is served on **CONSULTANT** by **CITY** then **CITY**, in addition to any other remedies at law or equity, may terminate this Agreement. **CONSULTANT** shall be compensated for services which have been completed and accepted by **CITY**. **CONSULTANT** shall be liable to **CITY** for any reasonable additional costs incurred to correct or cure work performed by **CONSULTANT** that does not meet the standard of care which, at **CITY'S** discretion, must be revised, in part or in whole, to complete the Project.

5.4 Procurement of Similar Services.

In the event this Agreement is terminated as provided by this Article, with or without cause, in whole or in part, **CITY** may procure, any and all services as may be necessary to complete the Project.

5.5 Work Product.

In the event of termination of this Agreement, all finished or unfinished design, development and construction documents, data studies, drawings, maps and reports prepared by **CONSULTANT** shall be delivered to the **CITY** within seven (7) days of

CONSULTANT's receipt of termination notice, and at no additional cost to CITY. Any use of uncompleted documents without specific written authorization from CONSULTANT shall be at CITY's sole risk and without liability or legal expense to CONSULTANT.

5.6 Indemnification and Hold Harmless.

These Indemnification provisions are independent of and shall not in any way be limited by the Insurance Requirements of this Agreement. CITY approval of the Insurance contracts required by this Agreement does not in any way relieve the CONSULTANT from liability under this section.

Notwithstanding the existence of insurance coverage required of **CONSULTANT** pursuant to this contract, **CONSULTANT** agrees to defend, indemnify, hold free and harmless the **CITY**, its elected and appointed officials, officers, agents and employees, at **CONSULTANT'S** sole expense, from and against any and all claims, demands, actions, suits or other legal proceedings arising out of, pertaining to, or relating to the negligence, recklessness, or willful misconduct of **CONSULTANT** brought against the **CITY**, its elected and appointed officials, officers, agents and employees arising out of the performance of the **CONSULTANT**, its employees, and/or authorized subcontractors, of the work undertaken pursuant to this Agreement. The defense obligation provided for hereunder shall apply without any advance showing of negligence, recklessness, or willful misconduct by the **CONSULTANT**, its employees, and/or authorized subcontractors, but shall be required whenever any claim, action, complaint, or suit asserts as its basis the negligence, recklessness, or willful misconduct of the **CONSULTANT**, its employees, and/or authorized subcontractors, and/or whenever any claim, action, complaint or suit asserts liability against the **CITY**, its elected and appointed officials, officers, agents and employees based upon the negligence, recklessness, or willful misconduct of the **CONSULTANT**, its employees, and/or authorized subcontractors under this Agreement, whether or not the **CONSULTANT**, its employees, and/or authorized subcontractors are specifically named or otherwise asserted to be liable. Notwithstanding the foregoing, the **CONSULTANT** shall not be liable for the defense or indemnification of the **CITY** for claims, actions, complaints or suits arising out of the sole active negligence or willful misconduct of the **CITY**. This provision shall supersede and replace all other indemnity provisions contained either in the **CITY'S** specifications or **CONSULTANT'S** Proposal, which shall be of no force and effect.

ARTICLE VI
GENERAL PROVISIONS

6.1 Notices.

All notices and written communications sent by one party to the other shall be personally delivered or sent by registered or certified U.S. Mail postage prepaid, return receipt requested to the following addresses indicated below:

IF TO CITY: Albert Mendoza, P.E.
Deputy Director of Public Works/City Engineer
City of La Habra
110 E. La Habra Blvd.
La Habra, CA 90631

TO CONSULTANT: KOA Corporation
Giuseppe Canzonieri
Principal
1100 Corporate Center Drive, Suite 201
Monterey Park, CA 91754

The effective date of any notice or written communications sent by one party to the other shall be the date received if by personal service, or 48 hours after deposit in the U.S. Mail as reflected by the official U.S. postmark.

6.2 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 agreement whether verbal or written, concerning the same subject matter. This Agreement may be modified only by a writing signed by both parties.

6.3 Successors and Assigns.

This Agreement shall be binding on the successors and assigns of the parties. This Agreement may not be sold, transferred or assigned by either party, or by operation of law, to any other person or persons or business entity, without the other party's written permission. Any such sale, transfer or assignment, or attempted sale, transfer or assignment without written permission, may be deemed by the other party to constitute a voluntary termination of this Agreement and this Agreement shall thereafter be deemed terminated and void.

6.4 Subcontracts.

CONSULTANT shall not subcontract any portion of the work required by this Agreement without prior written approval of **CITY**. All approved subcontracts, if any, shall be accomplished by a written instrument. Such instrument shall contain an expressed assumption by the subcontractor of all conditions and terms and covenants contained in this Agreement.

6.5 Equal Opportunity Employment.

CONSULTANT represents that it is an equal opportunity employer and shall not discriminate either directly or indirectly against an employee or applicant for employment with **CONSULTANT** on the basis of race, color, religion, national origin, ancestry, sexual preference, sex or age. **CONSULTANT** shall also take affirmative steps to ensure that applicants are employed and employees are treated during employment without regard to race, color, religion, national origin, ancestry, sexual preference, sex, age, or other prohibited grounds.

6.6 Attorney's Fees.

If either party commences a legal action against the other party arising out of or in connection with this Agreement, the prevailing party in such litigation shall be entitled to have and recover reasonable attorney's fees and costs of suits.

6.7 Governing Law.

This Agreement shall be governed by and construed with the laws of the State of California. Any Action to enforce the terms of this Agreement or for the breach thereof shall be brought and tried in the County of Orange.

6.8 Time of Essence.

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

6.9 Right to Employ Other Consultants.

CITY reserves the right to employ other consultants in connection with this Project.

6.10 Covenant Against Contingent Fees.

CONSULTANT warrants that he/she/it has not employed or retained any company or person, other than a bona fide employee working with **CONSULTANT**, to solicit or secure this Agreement, and that he/she/it has not paid or agreed to pay any

company or person, other than a bona fide employee, any fee, commission, percentage, brokerage fee, gift, or any other consideration, contingent upon or resulting from the award or making of this Agreement. For breach or violation of this warranty, **CITY** shall have the right to annul this Agreement without liability or, in its discretion to deduct from **CONSULTANT'S** compensation provided under this Agreement, or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee.

6.11 Conflict of Interest.

CONSULTANT covenants that he/she/it presently has no interest and shall not acquire any interest, direct or indirect, which would conflict in any manner or degree with the performance of its Services hereunder. **CONSULTANT** further covenants that in the performance of this Agreement, no person having any such conflict of interest shall be employed by **CONSULTANT**.

6.12 Statement of Economic Interest.

If **CITY** determines **CONSULTANT** comes within the definition of **CONSULTANT** under the Political Reform Act (Government Code §87100 et. seq.), **CONSULTANT** shall complete and file and shall require any other person doing work under this Agreement, to complete and file a "Statement of Economic Interest" with the City Clerk of the **CITY** disclosing **CONSULTANT** and/or such other person's financial interests.

6.13 No Waiver of Breach; Time.

No waiver of any provision of this Agreement shall be effective unless in writing and signed by a duly authorized representative of the party against whom enforcement of a waiver is sought referring expressly to this Paragraph. The waiver of any right or remedy in respect to any occurrence or event shall not be deemed a waiver of any right or remedy in respect to any other occurrence or event, nor shall any waiver constitute a continuing waiver.

6.14 Third Party Beneficiaries.

Nothing contained in this Agreement shall be construed to create and the parties do not intend to create any rights in third parties.

6.15 Taxes.

CONSULTANT agrees to file tax returns and pay all applicable taxes on amounts paid pursuant to this Agreement and shall be solely liable and responsible to pay such taxes and other obligations, including, but not limited to, state and federal income and FICA taxes. **CONSULTANT** agrees to indemnify and hold **CITY** harmless from any liability which it may incur to the United States or to the State of California as

a consequence of **CONSULTANT'S** failure to pay, when due, all such taxes and obligations.

6.16 Compliance with Law.

CONSULTANT shall comply with applicable federal, state and local laws, rules and regulations affecting the **CONSULTANT** and his/her/its work hereunder.

6.17 Title to Documents.

Title to all plans, specifications, maps, estimates, reports, manuscripts, drawings, descriptions and other final work products compiled by **CONSULTANT** under the Agreement shall be vested in **CITY** upon compensation to **CONSULTANT** none of which shall be used in any manner whatsoever, by any person, firm, corporation, or agency without the expressed written consent of **CITY**. Basic survey notes and sketches, charts, computations, and other data prepared or obtained under the Agreement shall be made available, upon request, to **CITY** without restriction or limitations on their use. **CONSULTANT** may retain copies of the above described information but agrees not to disclose or discuss any information gathered, discussed or generated in any way through this Agreement without the written permission of **CITY** during the term of this Agreement or until ninety (90) days after receipt of final payment from **CITY**, except for disclosures which are required by law, rule, regulation, court order, or government investigation

6.18 Validity.

The validity in whole or in part of any provision of this Agreement shall not void or affect the validity of any other provisions of this Agreement.

6.19 Headings.

Section and subsection headings are not to be considered part of this Agreement, are included solely for convenience, and are not intended to modify or explain or to be a full or accurate description of the content thereof.

6.20 Counterparts.

This Agreement may be executed in one or more counterparts by the parties hereto. All counterparts shall be construed together and shall constitute one agreement.

6.21 Corporate Authority.

The persons executing this Agreement on behalf of the Parties hereto warrant that they are duly authorized to execute this Agreement on behalf of said Parties and

that by doing so, the Parties hereto are formally bound to the provision of this Agreement.

6.22 Confidentiality.

All findings, reports, information and exhibits prepared or assembled by **CONSULTANT** in connection with the performance of its professional services pursuant to this Agreement are confidential and **CONSULTANT** agrees that they shall not be made available to any individual or organization without the prior consent of **CITY**. All findings, reports, information and exhibits shall become the property of **CITY**.

6.23 Responsibility for Errors.

CONSULTANT shall be responsible for its own work and results under this Agreement, and shall not be responsible for any work by **CITY** performed prior to the date of this Agreement or for any other acts or omissions directly attributable to **CITY**. **CONSULTANT**, when requested, shall furnish clarification and/or explanation as may be required by **CITY** regarding any services rendered under this Agreement at no additional cost to **CITY**. In the event that a negligent error or omission attributable to **CONSULTANT** occurs, then **CONSULTANT** shall, at no cost to **CITY**, provide all necessary design drawings, estimates and other **CONSULTANT** professional services, as authorized by this Agreement necessary to rectify and correct the matter to the standard of care of **CITY** and to participate in any meeting required with regard to the correction.

6.24 Independent Contractor.

The parties hereto acknowledge and agree that the relationship between **CITY** and **CONSULTANT** is one of principal and independent contractor and no other. Nothing contained in this Agreement shall

create or be construed as creating a partnership, a joint venture, employment relations, or any other relationship except as set forth between the parties. The parties specifically acknowledge and agree that **CONSULTANT** is not a partner with **CITY**, whether general or limited, and no activities of **CITY** or **CONSULTANT** or statements made by **CITY** or **CONSULTANT** shall be interpreted by any of the parties hereto as establishing any type of business relationship other than an independent contractor relationship.

NOTE: In the event the **CONSULTANT'S** personal services are required, the following shall apply:

This Agreement is made on the express condition and understanding that KOA Corporation's personal services are a substantial inducement to **CITY** for entering into this Agreement. If for any reason Giuseppe Canzonieri, Principal should no longer be the responsible manager for **CONSULTANT**, this Agreement shall be subject to immediate termination on written notice from **CITY**.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the date and year first above written.

CITY OF LA HABRA:

APPROVED AS TO FORM:

JIM SADRO, CITY MANAGER

RICHARD D. JONES, CITY ATTORNEY

ATTEST:

CONSULTANT

RHONDA BARONE, CMC
CITY CLERK

GIUSEPPE CANZONIERI
KOA CORPORATION

EXHIBIT "A"
SCOPE OF WORK

PROPOSAL FOR
**ON-CALL PROFESSIONAL ENGINEERING,
CONSTRUCTION MANAGEMENT, AND INSPECTION
SERVICES FOR PUBLIC WORKS PROJECTS**

CITY OF LA HABRA
FEBRUARY 16, 2023



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FEE PROPOSAL Under Separate Cover

REQUIRED FORMS



1100 Corporate Center Dr., Suite 201, Monterey Park, CA 91754
T: (323) 260-4703 | F: (323) 260-4705 | www.koacorp.com
MONTEREY PARK ORANGE ONTARIO SAN DIEGO CULVER CITY

TRANSMITTAL LETTER

DATE

February 16, 2023

TO

Tony An, Principal Engineer
City of La Habra
110 East La Habra Blvd
La Habra, CA 90631

FROM AUTHORIZED PRINCIPAL

Mr. Giuseppe Canzonieri, PE
Senior Engineer
1100 Corporate Center Drive,
Suite 201
Monterey Park, CA 91754
(323) 260-4703
gcanzonieri@koacorp.com

PROPOSED PROJECT MANAGER

Mr. Giuseppe Canzonieri
Project Manager
T (323) 260-4703
gcanzonieri@koacorp.com

RFP/RFQ

ON-CALL PROFESSIONAL ENGINEERING, CONSTRUCTION MANAGEMENT, AND INSPECTION SERVICES FOR PUBLIC WORKS PROJECTS

Dear Mr. An:

KOA Corporation (KOA) is pleased to submit this proposal to describe our experience and capability in providing the City of La Habra with on-call professional engineering, construction management, and inspection services. We believe our firm's 35-year history in civil engineering, as well as the skills and experiences that we can bring from having worked on a wide variety of projects over the years, will ultimately be beneficial to the City.

KOA has been providing high-value on-call engineering services to Counties and Cities all over Southern California since we were founded in 1987. In fact, we have been working in the City for over 20 years and have been on-call since 2009. We have worked on nearly 50 projects in the city that include alley assessment and rehabilitation, parking lot rehabilitation, ADA assessments and transition plans, HSIP traffic improvements, construction management and inspection for various street improvements and water line projects, and staff augmentation services.

KOA was recently acquired by H.W. Lochner, Inc., however as their wholly owned subsidiary, the City can expect to work with the same project managers and staff they have been working with for years. With KOA, the City will get a stable team who is familiar with the procedures and standards that are utilized by the City. A core group of staff will be solely dedicated to any assigned task order so that City staff does not have to deal with any changing personnel, lack of continuity, and inefficiencies by the consultant team.

KOA's core business focus is still to assist public agencies in Southern California with their public works infrastructure projects. KOA is large and experienced enough to provide the core competency and depth of resources to meet the City's needs. With H.W. Lochner as our parent company, we now have access to additional resources that could ultimately benefit the City.

One unique characteristic about KOA is that we are a full-service consulting firm that offers services in transportation planning, civil and traffic engineering, and construction management and inspection. We have provided Cities with services from the beginning stages of project planning and conceptual design; assisted with obtaining project funding; provided a high-quality PS&E package; provided construction support; and provided construction management/inspection services.

I will serve as the On-Call Project Manager. I have 17 years of civil and traffic engineering experience, and have prepared numerous projects involving the design of roadways, medians, pavement rehab, signing & striping, traffic signals, worksite traffic control, street lighting, construction specs, and cost estimating. I have served as project manager and project engineer for several civil and traffic engineering design projects for many Cities throughout Southern California. I believe that my well-rounded project experience will be a benefit to the City of La Habra.



1100 Corporate Center Dr., Suite 201, Monterey Park, CA 91754
T: (323) 260-4703 | F: (323) 260-4705 | www.koacorp.com
MONTEREY PARK ORANGE ONTARIO SAN DIEGO CULVER CITY

In addition, we have included on our team KDM Meridian, Twining, Inc., UltraSystems Environmental, CWE, Ficcadenti Waggoner and Castle Structural Engineers (FWCSE), Gruen Associates, and Avant-Garde Inc. (AGI), to provide Land Surveying, Geotechnical, Environmental, Storm Water/Water Resources, Structural, Landscaping/Irrigation, and Funding Administration, respectively. Resumes of all key staff are included within.

The work for this On-Call contract will be managed from our Monterey Park office, located at 1100 Corporate Center Drive, Suite 201, Monterey Park, CA 91754. This proposal shall remain valid for a period of not less than 60 days from date of submittal.

If you have any questions, or you require additional information regarding this proposal or our qualifications, please contact me at (323) 260-4703 or via e-mail at gcanzonieri@koacorp.com. I will be the designated contact person for this proposal and for the proposed On-Call contract. I attest that all information submitted is true and correct.

We look forward to the opportunity to continue working with the City of La Habra and becoming your **most trusted and capable engineering consultant firm**.

Sincerely,
KOA Corporation

A handwritten signature in black ink, appearing to read 'Giuseppe Canzonieri', written in a cursive style.

Giuseppe Canzonieri, PE (CA Civil 79006)
Senior Engineer

A. Qualifications, Related Experience and References of KOA Team



KOA TEAM - FIRM QUALIFICATIONS

FIRM BACKGROUND - KOA CORPORATION

Founded in 1987, KOA Corporation (KOA) is a leading provider in professional services in transportation engineering, mobility planning, and construction management for public agencies and private sector clients. We offer our clients technical knowledge, innovative solutions, and responsive services. Our focus on safety for all roadway users is the foundation of our professional practice. KOA engineers, planners, construction field specialists, and project managers all take pride in our well-established reputation as transportation safety experts. The hallmark of our success is our dedication to each and every project and our desire to leave a legacy of extraordinary contribution to our communities. Our staff includes registered civil and traffic professional engineers, certified transportation planners, certified road safety professionals, project/construction managers, and construction inspectors. With five offices located in Southern California, KOA provides professional consulting services for some of the largest public works and planning projects for all modes of transportation throughout California.

In December 2022, KOA joined H.W. Lochner, a national transportation infrastructure firm headquartered in Chicago, Illinois, providing planning, environmental, design, construction engineering and inspection, and right-of-way services for surface transportation, rail, transit, and aviation clients. Together, we have more resources and capabilities for delivering innovative solutions and enhancing the quality of life in the communities we serve.

SPECIFIC ROLE AND RELATED EXPERIENCE

CIVIL ENGINEERING

For 35 years, our staff of registered professional engineers and designers have provided civil engineering services on many award-winning projects throughout Southern California. All designs are meticulously reviewed by our senior staff to check compliance with current standards and guidelines.

TRAFFIC ENGINEERING

For 35 years, we have demonstrated engineering leadership in all aspects of our projects for nearly every municipal agency in Southern California. We have also provided on-call services for many of them. Our designs and plans are known for their high quality and cost-effective use of resources and budgets.

CONSTRUCTION MANAGEMENT & INSPECTION

KOA has a complete Construction Management Division consisting of 20+ Resident Engineers, Construction Managers, and Construction Inspectors with decades of experience in various expertise in public works projects including streets, developments, pipelines, structures, facilities, and parks. We have experience with local, state and federal aid funded projects.

PRIMARY POINT OF CONTACT

Giuseppe Canzonieri, PE
Senior Engineer
1100 Corporate Center Drive, Suite 201, Monterey Park, CA 91754
gcanzonieri@koacorp.com
(323) 260-4703

BUSINESS ENTITY

C Corporation

FEDERAL EMPLOYER ID NUMBER

95-4515908

PARENT COMPANY

KOA Corporation, a California corporation, is a wholly owned subsidiary of H.W. Lochner, Inc.

NUMBER OF YEARS IN BUSINESS

35 Years

NUMBER OF YEARS OF EXPERIENCE TO THE RELATED SERVICES

35 Years

TYPES OF SERVICES

Transportation Engineering
Highway & Roadway Design
Signals, Signing & Striping, Traffic Control Plans
Traffic Operations & ITS
Mobility Planning (Multimodal)
Complete Streets Planning & Design
Active Transportation (Ped & Bike, SRTS, First Mile/Last Mile)
Grant Writing & Management
Assessment of Transportation Impacts
Safety Implementation (HSIP, ADA, LRSP, SSARP, & SS4A)
Construction Management & Inspection



SUBCONSULTANT FIRM BACKGROUND - KDM MERIDIAN, INC.

Founded in 2000, KDM Meridian (KDM) is a professional full-service land survey consulting firm specializing in GPS, LiDAR scanning, conventional land surveying, and map checking. KDM offers professional and technical services to both public and private clients, functioning as the survey department or an extension of the survey department for various prominent local public works design engineering firms, agencies, municipalities, and counties. Having established a proven record of success surveying for public works, KDM is proud to declare that roughly three-quarters of KDM's projects are now public works related.

We maintain a staff of approximately 20 people, including six California Licensed Land-Surveyors (PLS), and two certified Land-Surveyors-In-Training (LSIT); we currently field two survey crews on a regular basis to perform conventional, GPS, and LiDAR land surveying. With our current staff and equipment, we have the ability to provide up to four two-person crews when necessary. In-house personnel provide boundary, right-of-way, and topographic surveying and mapping, as well as construction staking, legal descriptions, and related land development functions. We are a registered DIR Contractor, a Certified Small Business, and a firm in good standing; KDM has never failed or refused to complete a contract.

SPECIFIC ROLE AND RELATED EXPERIENCE

SURVEY

In-house personnel provide boundary, right-of-way, and topographic surveying and mapping, as well as construction staking, legal descriptions, and related land development functions. Our staff includes six California Licensed Land Surveyors, and one certified Land Surveyor-In-Training. We have a total staff of 16, of which 12 are full time. The firm is currently fielding two survey crews on a regular basis to perform conventional, GPS, and LiDAR land surveying. With our current staff and equipment, we have the ability to provide up to four two-person crews when necessary.

PRIMARY POINT OF CONTACT

Richard C. Maher, PLS
Director of Marketing
1340 Reynolds Ave, Suite 110
Irvine, CA 92614
Marketing@KDMMeridian.com
(949) 768-0731

BUSINESS ENTITY

S Corporation

FEDERAL EMPLOYER ID NUMBER

33-0897262

PARENT COMPANY

KDM Meridian is independently owned and operated.

NUMBER OF YEARS IN BUSINESS

23 Years

NUMBER OF YEARS OF EXPERIENCE TO THE RELATED SERVICES

23 Years

TYPES OF SERVICES

Topographic Survey
Aerial Mapping
LiDAR Scanning
Boundary Establishment
Geotechnical Survey
Bathymetric Survey
Monument Preservation
Construction Staking
Map Checking
Lot Line Adjustment
ALTA Survey
Slope Monitoring
Mean High Tide Survey
GIS Integration



FIRM BACKGROUND - TWINING

Twining, Inc. (Twining's) legacy dates back more than 125 years. What started as a family business in 1898 has evolved into one of California's largest service providers of geotechnical engineering design, materials testing, and construction inspection services. Highly regarded by state and local agencies, developers, contractors, consultants, and industry for providing high-quality services that are reliable, timely, and compliant, Twining has been a central part of some of California's most regionally significant construction projects. The expertise and capabilities of Twining in geotechnical and many civil engineering disciplines, including testing of asphalt, soils, steel, and various construction materials, complement our services for the asphalt construction industry.

Twining has developed a strong reputation by providing sound engineering, testing, and inspection services on every project we undertake. We earned this reputation knowing that the true measure of our performance rests in the satisfaction of our clients. We approach each project with the understanding that we are evaluated on the safety and durability of the structures and pavements we test and inspect.

We employ some of the industry's most well-known construction experts, including asphalt and concrete experts who perform research as well as consult with regulatory agencies to shape the future of construction standard practices. Our geotechnical team leader, Paul Soltis, PE, GE, is licensed and highly qualified with experience in geotechnical design, analysis, and construction support. In addition to our engineer's highly technical consulting services, we can also provide construction material testing and inspection services. Our engineers offer routine training to our field soil technicians to continuously improve and reinforce their skills related to field testing. Additionally, experienced inspectors and laboratory technicians can provide field observation and testing to provide immediate compaction data to the Contractor, thus allowing for efficient and accelerated progress of the schedule.

SPECIFIC ROLE AND RELATED EXPERIENCE

GEOTECHNICAL ENGINEERING

Twining provides local agencies with comprehensive pavement engineering services that utilize the newest pavement rehabilitation technologies to effectively deliver our clients the service life that they expect of their pavements at a construction cost that may be less than traditional methods.

Twining routinely assesses current pavement conditions and identifies the causes of pavement distress. Using the Falling Weight Deflectometer (FWD), coring, ground penetrating radar (GPR), and dynamic cone penetrometer testing, we are able to assess subgrade conditions and determine the load-carrying capacity of in-place pavement. Our efforts can determine the remaining service life of pavement and identify options for rehabilitation.

PRIMARY POINT OF CONTACT

Amir Ghavibazoo, Ph.D
Director of Asphalt Engineering and Pavement Design
2883 E Spring Street, Suite 300
Long Beach, CA 90806
aghavibazoo@twininginc.com
(562) 426-3355

BUSINESS ENTITY

S Corporation

FEDERAL EMPLOYER ID NUMBER

95-2040084

PARENT COMPANY

Twining Holdings, LLC

NUMBER OF YEARS IN BUSINESS

125 Years

NUMBER OF YEARS OF EXPERIENCE TO THE RELATED SERVICES

125 Years

TYPES OF SERVICES

Geotechnical Engineering
Nondestructive Examination
Materials Testing Laboratory
Stormwater Site Monitoring
Forensic Evaluation of Existing
Engineering Concrete Technology
& Concrete Insight
Concrete for Pavements &
Infrastructure
Asphalt Pavement Engineering
Design
Construction Quality Assurance
Programs
Plan Review and Plant Inspection





FIRM BACKGROUND - ULTRASYSTEMS

UltraSystems Environmental Inc. (UltraSystems) is a full-service planning and environmental consulting firm serving public and private sector clients throughout California. UltraSystems was founded in 1994, and is a privately-owned California S Corporation, small business enterprise (SBE), woman business enterprise (WBE), disadvantaged business enterprise (DBE), woman-owned small business (WOSB), and community business enterprise (CBE) with the County of Los Angeles. UltraSystems employs a multidisciplinary team of talented and experienced urban and environmental planners, scientists, archaeologists, biologists, geologists, hydrologists, engineers, geographic information systems (GIS) specialists, and support staff to complete environmental analyses, CEQA and NEPA documents, technical studies, permits, and construction environmental monitoring to satisfy environmental laws and regulations from initial project planning through construction. The UltraSystems corporate office is in Irvine, California, with a satellite office in Grass Valley, CA.

SPECIFIC ROLE AND RELATED EXPERIENCE ENVIRONMENTAL

UltraSystems Environmental will be responsible for the environmental documentation and regulatory agency permitting for the projects designed under this contract's task orders. Environmental documentation services under the California Environmental Quality Act (CEQA) that could include literature reviews and field studies, review of documents provided by others, preparing technical studies, and providing the appropriate level of documentation for each project (categorical exemption, initial study/mitigated negative declaration, environmental impact report, or addenda to existing documents). Projects with at least partial federal funding will also require National Environmental Policy Act (NEPA) documentation. Typical documents to prepare include an Environmental Assessment (EA) with a finding of no significant effect and/or an Environmental Impact Statement (EIS). Documentation services could include, as appropriate, preparing a Mitigation Monitoring and Reporting Program (MMRP), facilitating public meetings, and filing required public notices.

If needed, typical permitting services could include both federal and state jurisdictional delineation studies; Section 404 and Section 10 permits from the U.S. Army Corps of Engineers; Section 7 Permit Application (Biological Assessment) pursuant to the Federal Endangered Species Act, from the U.S. Fish and Wildlife Service; Section 1602 Streambed Alteration Agreement application to the California Department of Fish and Wildlife; and Section 401 Clean Water Act Water Quality Certification application to the appropriate Regional Water Quality Control Board.

PRIMARY POINT OF CONTACT

Betsy A. Lindsay
President/CEO
16431 Scientific Way, Irvine, CA 92618
blindsay@ultrasystems.com
(949) 788-4900 ext.227

BUSINESS ENTITY

S Corporation

FEDERAL EMPLOYER ID NUMBER

33-0623499

NUMBER OF YEARS IN BUSINESS

29 Years

NUMBER OF YEARS OF EXPERIENCE TO THE RELATED SERVICES

29 Years

TYPES OF SERVICES

CEQA/NEPA Compliance
Planning Services
Geographic Information Systems
Technical Studies:
Aesthetics
Air Quality
Archaeological Resources
Biological Resources
FAA/ALUC
Geotechnical/Geologic/Soils
Greenhouse Gas Studies
Health Risk Assessments
Hydrology
Infrastructure Analysis
Paleontological Resources
Mineral Resources Studies
Utility Studies
Water Pollution Evaluation



UltraSystems
environmental • management • planning



FIRM BACKGROUND - CWE

Since 2006, CWE's civil infrastructure, water resources, and environmental engineering services have enhanced the quality of life for local and international communities. They are privileged to have had over 250 public municipalities, private businesses, and federal agencies who have benefitted from their promise of Creating a Better Tomorrow, Today™. Their award-winning industry leaders of today actively work to cultivate the environmental stewards of tomorrow. They work tirelessly to bring the mastery, creativity, and commitment necessary to deliver forward-thinking results to enhance the communities we live, work, and play in, leaving it a little bit better for the next generation than when we started. This is the CWE standard.

CWE has been recognized by the Zweig Group as a "Hot Firm" twice and a "Best Firm to Work For" three years in a row. These honors not only highlight CWE's significant business growth, but also reflect their growing staff's contentment and sense of purpose with CWE as an employer. They are eager to demonstrate how happy employees with the same goal of Creating a Better Tomorrow, Today™ produce satisfied clients, and show you what benefits their dedicated engineers can bring to your table and meet your engineering consulting needs. You deserve nothing less than a trailblazing, solutions-oriented firm to provide civil engineering support, plan check, and other services for your public works projects on as-needed basis. CWE is that firm!

CWE is a Minority (MBE) and Small Business Enterprise (SBE).

SPECIFIC ROLE AND RELATED EXPERIENCE

STORM WATER / WATER RESOURCES

CWE staff have provided over 300 miles of drainage improvements and for municipal clients throughout Southern California, including the Cities of Anaheim, Burbank, Claremont, Dana Point, El Monte, Fontana, Highland, Indio, Long Beach, Los Angeles, Moreno Valley, Rancho Palos Verdes, Riverside, Santa Monica, Torrance, and more. CWE has completed over 250 storm drain and flood control structures projects with less than 4% average in construction change orders. Our staff have also developed, assisted in the development of, and provided updates for more than 10 master plans of drainage, including the Port of Long Beach (POLB) Port-Wide Capital Improvement Stormwater Infrastructure Master Plan, Los Angeles Department of Water and Power (LADWP) Stormwater Capture Master Plan, San Bernardino County Stormwater Resources Plan, City of Visalia Public Facility Master Plans for Stormwater, City of Agoura Hills Water Quality Master Plan, and more. CWE staff also have experience running hydrologic and hydraulic models, including but not limited to AdH, AES, BAHM, FLO-2D, HEC-1, HEC-HMS, HEC-RAS, MODRAT, MORA, TUFLOW, USEPA-SWMM, WMS, WSPG, and XP-SWMM standards.

PRIMARY POINT OF CONTACT

Vik Bapna, PE, ENV SP, CPSQW, QSD/P
Principal
1561 E. Orangethorpe Avenue,
Suite 240, Fullerton, CA 92831
Vpabna@cwecorp.com
(714) 526-7500

BUSINESS ENTITY

S Corporation

FEDERAL EMPLOYER ID NUMBER

20-4089568

NUMBER OF YEARS IN BUSINESS

17 Years

NUMBER OF YEARS OF EXPERIENCE TO THE RELATED SERVICES

17 Years

TYPES OF SERVICES

Civil Engineering
Water Resources
Stormwater Management
Water Quality Monitoring
Program Management
Construction Management



KOA TEAM - FIRM QUALIFICATIONS



FIRM BACKGROUND - FWCSE

Ficcadenti Waggoner and Castle Structural Engineers (FWC) was established in 1991 on the premise that providing structural engineering services to a diverse group of high-quality clients will lead to lasting business relationships. Since then, FWC has grown to over 70 employees with offices in Irvine, California; Concord, California; Las Vegas, Nevada and Charlotte, North Carolina. Throughout our firm and down to each team member we share the understanding that knowledge, experience, and education are key components in being a successful partner in achieving our clients' needs. Our team brings the knowledge of sound engineering principals, experience of over 30 years in structural engineering consulting, and the ability to convey this information through clear, concise documentation.

Our firm provides a full range of structural engineering services including the design of new structures, as well as the evaluation and renovation of existing ones. Working closely with our clients and construction partners, FWC has engineered complex and challenging projects of all types and sizes, from amusement park rides to mixed-use city center projects. Our commitment to our client's success has enabled us to develop lasting business relationships.

FWC develops efficient designs by implementing cost-effective construction techniques supported by engineering principles. Our qualifications and extensive experience enable us to back our creative design solutions with fundamental engineering practices. Our engineers utilize state-of-the-art finite element software and our design and graphics departments utilize the latest drafting and three-dimensional modeling packages to develop quality designs, reports, and construction documents.

Regardless of the size or scope of the project, our mission at FWC is to provide our clients with the best structural engineering solutions for their structures. Our company culture values excellence, integrity, and efficiency in all aspects of our work.

SPECIFIC ROLE AND RELATED EXPERIENCE

STRUCTURAL ENGINEERING

FWC is dedicated to developing and implementing solutions to the structural engineering challenges of today's building industry. Our solutions are built on the application of our KEE values: Knowledge, Education, and Experience.

Our Knowledge gives us the foundational expertise to analyze and develop solutions for any structural engineering problem.

Our ability to Educate ensures our clients understand and can implement our solutions.

Most importantly, our Experience over the last 30 years in providing structural engineering solutions assures success for both today and future projects.

PRIMARY POINT OF CONTACT

Mark E. Schroeder, SE
Principal
16969 Von Karman Avenue, Suite
240, Irvine, CA 92606
mschroeder@fwcse.com
(949) 474-0502

BUSINESS ENTITY

S Corporation

FEDERAL EMPLOYER ID NUMBER

33-0562371

NUMBER OF YEARS IN BUSINESS

31 Years

NUMBER OF YEARS OF EXPERIENCE TO THE RELATED SERVICES

31 Years

TYPES OF SERVICES

Structural Engineering
Concrete Designs
Steel Designs
Timber Designs
Structural Evaluations & Investigations
Retrofits & Repairs
Seismic Evaluations & Retrofits
Panelized Construction
Cold-Formed Steel, Bearing & Non-Bearing
BIM Coordination





FIRM BACKGROUND - GRUEN ASSOCIATES

Headquartered in Los Angeles since 1946, Gruen Associates (Gruen) employs a multi-disciplinary staff of 75 individuals led by five partners and one associate partner. The firm has special expertise in architecture, landscape architecture, planning, urban design and planning, medians, corridors, streetscapes, complete streets, BRT, bicycle and pedestrian planning station area design and planning, transit station design, transportation and transit planning and design and land use planning. Gruen is also deeply committed to meaningful consensus building among key stakeholders as an integral part of their projects. The firm strives to blend function and efficiency with distinctive architecture, landscape architecture, urban design and land use planning designed to respond to clients' and stakeholders' needs.

Gruen Associates has been responsible for some of the most significant, complex and challenging projects worldwide. They are the recipient of the 2019 APA Distinguished Leadership Planning Firm Award and the 2015 Firm Award from AIA California—coveted awards from which their peers recognized Gruen's expertise in collaborative practice, a portfolio of over 10,000 projects, and contribution and pivotal role in mentoring future generations of professionals. The Los Angeles-based partnership practices in every building and open space type and has received more than 250 awards.

Gruen has provided on-call services for numerous public agencies including the Department of Beaches and Harbors for the County of Los Angeles and its other departments, Metro, the City of Los Angeles, the Los Angeles World Airports, the City of Anaheim, the City of Santa Ana, Los Angeles Unified School District and Los Angeles Community College District. The firm has architects, landscape architects, interior designers, and urban designers and transportation planners in-house. They have long-standing relationships with numerous consultants including KOA as well as civil, structural, mechanical, electrical and plumbing engineers, cost estimators and specifications consultants. Gruen also has a number of specialized consultants that they work with to address the specific or specialized needs of a project including waterproofing, security, food services, sustainability/LEED among others.

SPECIFIC ROLE AND RELATED EXPERIENCE

LANDSCAPE/IRRIGATION

Our landscape architecture projects include the Los Angeles Riverway Bikeways and Greenways Design Completion Project designed to meet Envision, the Los Angeles Union Station Forecourt and Alameda Esplanade Project, the Rosemead Boulevard Safety Enhancements and Beautification Project, the Carson Streetscape Master Plan Implementation, the Foothill Boulevard Streetscape, and Glendale-Hyperion Viaduct Complex Improvement Project.

PRIMARY POINT OF CONTACT

Dean Howell, PLA, ASLA
Principal Associate
6330 San Vicente Boulevard, Suite 200
Los Angeles, California 90048
howell@gruenassociates.com
(323) 937-4270

BUSINESS ENTITY

Partnership

FEDERAL EMPLOYER ID NUMBER

95-3444276

NUMBER OF YEARS IN BUSINESS

77 Years

NUMBER OF YEARS OF EXPERIENCE TO THE RELATED SERVICES

77 Years

TYPES OF SERVICES

Architecture
Landscape/Streetscape Design
Planning & Urban Design
Park & Bikeway Design/Planning
New Community Planning
Downtown Revitalization
Master Planning and Site Planning
Neighborhood Revitalization
TOD/TOC Planning & Design
Transit Station Area Planning
Implementation Plans
Community Participation
Transportation & Environmental
Planning
Transportation Corridor Planning
Pedestrian and Bicycle Circulation

GRUENASSOCIATES
ARCHITECTURE PLANNING INTERIORS LANDSCAPE



FIRM BACKGROUND - AVANT-GARDE

Avant-Garde has built a strong reputation for providing innovative and successful solutions for a number of public agencies including City of Los Angeles, and the Cities of Temple City, Pasadena, Industry, Pico Rivera, La Mirada, La Puente, Hawaiian Gardens, Lynwood, Bell Gardens, Maywood, Perris, Cudahy, Alhambra, Moreno Valley, Rosemead, San Gabriel, El Monte, Bellflower, South El Monte, and METRO.

Our years of practice have resulted in a solid foundation of experience and technical expertise and a dedication to integrity, excellence, and quality. We are proud of our strong reputation in meeting aggressive schedules and our ability to multi-task to provide our clients specialized attention and service.

Our firm is familiar with working with all city departments that are impacted by these transportation projects. We are effective in coordinating with Administration, Engineering and the Finance Department to ensure that everyone is aware of their role and how the project affects all aspects of City government. Avant-Garde has the expertise to be presented with a new project and immediately assess its agreements, coordination efforts with affiliated agencies, and schedules to provide detailed analysis or strategy to move the project forward expeditiously.

SPECIFIC ROLE AND RELATED EXPERIENCE

FUNDING ADMINISTRATION

Avant-Garde will be providing funding administration and grant writing services by reviewing existing records, coordinating with the engineering and design teams, and submitting all appropriate documentation pursuant to Caltrans Local Program Procedures to request authorization to proceed with various project phases or other grant agency requirements.

PRIMARY POINT OF CONTACT

Lisette Montoya
Principal/Program Director
807 S. Lemon Avenue,
Diamond Bar, CA 91789
lmontoya@agi.com.co
(323) 371-5530

BUSINESS ENTITY

S Corporation

FEDERAL EMPLOYER ID NUMBER

01-0749431

NUMBER OF YEARS IN BUSINESS

21 Years

NUMBER OF YEARS OF EXPERIENCE TO THE RELATED SERVICES

21 Years

TYPES OF SERVICES

Funding Administration
Program Management
Grant Writing
Labor Compliance
Community Outreach



RELATED EXPERIENCE AND REFERENCES

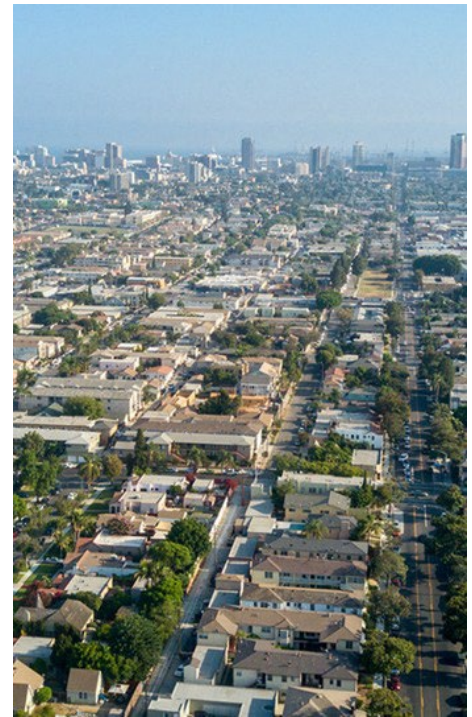
LACPW ROAD/FLOOD ON-CALL

LOS ANGELES COUNTY, CA

KOA

KOA has been retained by the LACPW for the last 5 years to provide as-needed engineering design and support services for the Road and Flood Control Construction Programs on various federal and non-federal funded projects located throughout the County of Los Angeles. The project task orders vary in scope, size, location, and technical expertise. KOA's Contract Manager is the primary point of contact and distributes task orders to Task Order Managers based on the scope and experience required to produce quality deliverables/services. This on-call includes various transportation related improvements, including roadway, roundabout, pavement rehabilitation, signing & striping, traffic signal, street lighting, and traffic control design, as well as various traffic studies, feasibility studies, grant assistance, and project design concept reports.

REFERENCE: Loydi Nguyen, Administrative Services Manager, LACPW, 900 S. Fremont Avenue, Alhambra, CA 91803, (626) 458-2180, Inguyen@dwp.lacounty.gov | **DURATION:** 08/2018 - Ongoing | **CONTRACT VALUE:** \$5,000,000 | **KEY PERSONNEL:** Giuseppe Canzonieri



CITY OF CARSON ON-CALL FOR PROFESSIONAL ENGINEERING SERVICES

CARSON, CA

KOA

KOA is on the current on-call bench for the City of Carson to provide the City with various on-call professional engineering services that may include, but is not limited to developing projects, general municipal engineering and studies, project management, plan review, specifications, and estimate and recommendations for public/private construction projects, coordination with other agencies and utility companies, presentations to the public, City Commissions, and City Council, developing construction documents and plans for capital projects and provide engineering services and support per City's requests. Under this on-call, we have provided the City with professional engineering services on the following task orders:

- Albertoni Street Bike Lane Design
- Central Avenue and Dimondale Drive Traffic Signal Design
- Victoria Street Bike Lane Design
- Sepulveda Boulevard Bike Lane Design
- I-110 Freeway Arterial Improvement Project (in progress)
- Staff Augmentation Services-HSIP Bike Lane Re-Design, Median Modifications, and Bike Master Plan Update

REFERENCE: Gilbert Marquez, PE, City Engineer, City of Carson, 701 E. Carson Street, Carson, CA 90745, (310) 830-7600, gmarquez@carson.ca.us | **DURATION:** 04/2019 - Ongoing | **CONTRACT VALUE:** \$500,000 | **KEY PERSONNEL:** Giuseppe Canzonieri



RELATED EXPERIENCE AND REFERENCES

CITY OF SOUTH GATE AS-NEEDED PROFESSIONAL ENGINEERING SERVICES

SOUTH GATE CA

KOA

KOA is providing the City of South Gate with a full-range of professional engineering services in design engineering and architecture, construction management, inspection, geotechnical, staff augmentation, surveying, special funding administration, grant writing, plan check, right-of-way acquisition, assessment district engineering, civil and traffic engineering, and transportation services.

REFERENCE: Jose Loera, Associate Engineer, City of South Gate, 8650 California Avenue, South Gate, CA 90280, (323) 563-9578, jloera@sogate.org | **DURATION:** 01/2015 - 07/2020 | **CONTRACT VALUE:** \$240,000 | **KEY PERSONNEL:** Giuseppe Canzonieri



CITY OF CULVER CITY GENERAL PUBLIC WORKS ON-CALL ENGINEERING SERVICES

CULVER CITY, CA

KOA

KOA is providing civil engineering, traffic engineering, and construction management and inspection services. Our assignments have included traffic engineering, curb extension design, street improvements, pavement rehabilitation, parking analysis, traffic signal timing, traffic signal design, signing and striping design, traffic calming, bike and pedestrian facility design, traffic studies, transportation planning and construction management.

REFERENCE: Hong Wang, Sr. Civil Engineer, City of Culver City, 9770 Culver Blvd., Culver City, CA 90232, (310) 253-5604, hong.wang@culvercity.org | **DURATION:** 07/2019 - 05/2022 | **CONTRACT VALUE:** \$500,000 | **KEY PERSONNEL:** Giuseppe Canzonieri



CITY OF PASADENA ON-CALL CIVIL ENGINEERING DESIGN SERVICES

PASADENA, CA

KOA

KOA is providing the City of Pasadena with on-call civil engineering professional services. Our services can include geotechnical engineering, topographic survey, green streets design, ADA assessments, pipe capacity upgrades and condition repair, and complete streets design. KOA is currently working on a roundabout design at the intersection of Mountain Street and Sinaloa Avenue.

REFERENCE: Brent Maue, Assistant Civil Engineer, City of Pasadena, 100 N. Garfield Avenue, Pasadena, CA 91101, (626) 744-7311, bmaue@cityofpasadena.net | **DURATION:** 06/2020 - Ongoing | **CONTRACT VALUE:** Varies, 5-Year Contract | **KEY PERSONNEL:** Giuseppe Canzonieri



RELATED EXPERIENCE AND REFERENCES

CITY OF EL MONTE ON-CALL TRAFFIC ENGINEERING SERVICES AND GENERAL CIVIL ENGINEERING

EL MONTE, CA

KOA

KOA is providing the City of El Monte with on-call civil and traffic engineering services. Our scope of work includes, but is not limited to:

Civil Engineering On-Call

- Preparation of feasibility studies, conceptual designs, preliminary design reports, and special studies;
- Preparation of public outreach material and digital media;
- Prepare and present community outreach meeting;
- Preparation of project design, specifications, and engineer's cost estimates;
- Construction support services; and
- Environmental documentation preparation

REFERENCE: Lee Torres, PE, City Engineer, City of El Monte, 11333 Valley Blvd., El Monte, CA 91731, (626) 580-2055, ltorres@elmonteca.gov |

DURATION: 07/2020 - Ongoing | **CONTRACT VALUE:** Varies

KEY PERSONNEL: Giuseppe Canzonieri,



LACPW ROWLAND HEIGHTS SALEROSO DRIVE ET AL PAVEMENT IMPROVEMENT PROJECT

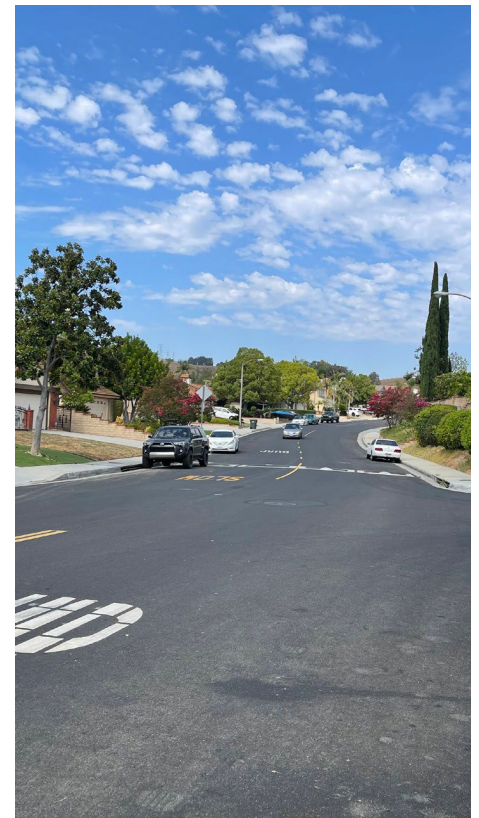
ROWLAND HEIGHTS, CA

KOA

KOA provided civil and traffic engineering services for the roadway rehabilitation project in the Rowland Heights community. The project included 3 miles of pavement reconstruction, design of 72 curb ramps, speed cushions, signing & striping, traffic loop restoration, traffic control design, topographic survey, utility notifications, and the preparation of quantity estimates. Engineering services included surveying and preparing improvement plans, and cost estimates. This project included the use of cement-stabilized pulverized base, recycled the existing asphalt pavement for use as a base coarse, and utilized rubberized asphalt for a finish coarse. The project was funded through SB1.

REFERENCE: Roy Cruz, Senior Civil Engineer, Los Angeles County Public Works, 900 S. Fremont Ave., Alhambra, CA 91803, (626) 458-3910, fcruz@dwp.lacounty.gov | **DURATION:** 12/2018 - 04/2021 | **CONTRACT VALUE:**

\$504,935 | **KEY PERSONNEL:** Giuseppe Canzonieri, Matt Stepien



RELATED EXPERIENCE AND REFERENCES

CITY OF SANTA MONICA PICO BOULEVARD PEDESTRIAN SAFETY IMPROVEMENT PROJECT

SANTA MONICA, CA

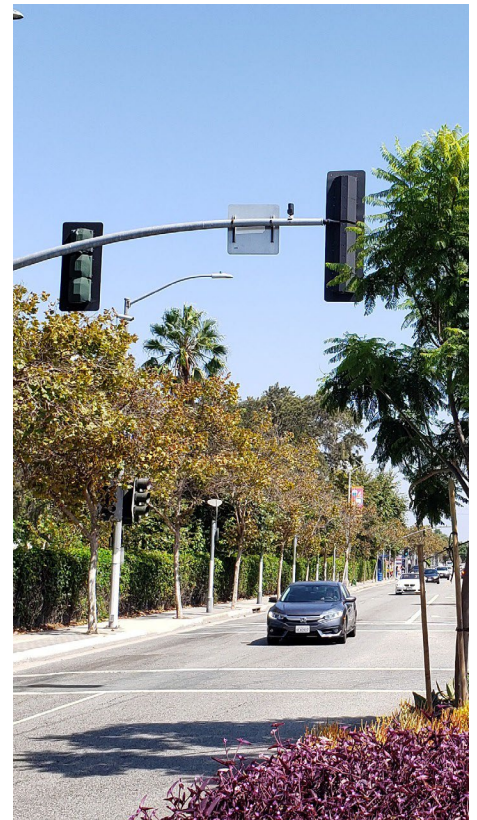
KOA

KOA provided the City of Santa Monica with civil and traffic engineering design services for the Pico Boulevard Pedestrian Safety Improvements Project. The project included: alternatives analysis, public outreach, preparation of street improvement, signing & striping, traffic signal, street lighting, plans, specifications and estimates (PS&E) for pedestrian improvements at five locations along Pico Boulevard, and construction support. The project locations are: Pico Boulevard & 16th Street, 17th Street, 19th Street, 21st Street, 22nd Street, and Cloverfield Boulevard. Improvements along the corridor included curb extensions, ADA compliant curb ramps, protected intersection, Class IV bike lanes, bicycle signals, roadway narrowing, median refuge islands for RRFB crossing, and bus stop relocations. The project was funded through ATP and included coordination with various departments at the City of Santa Monica, Southern California Edison, and Big Blue Bus.

REFERENCE: Joseph SanClemente, PE, AICP, Public Works Director, City of Hermosa Beach, (310) 318-0214, jsanclemente@hermosabeach.gov

*Formerly with City of Santa Monica | **DURATION:** 07/2019 - 03/2021 |

CONTRACT VALUE: \$235,441 | **KEY PERSONNEL:** Giuseppe Canzonieri, Matt Stepien, Edward Okitsu



CITY OF LOS ANGELES LA RIVER GREENWAY SEGMENTS 1 & 2 IMPLEMENTATION

LOS ANGELES, CA

KOA

KOA is providing design services for Phase 2 of the LA River Bikeway & Greenway Design Completion Project. This phase includes Schematic Design, Design Development, Construction Documents, Bid & Award, Construction Administration, and Post Construction for Segment 1 - Vanalden Avenue to White Oak Avenue, and Segment 2- White Oak Avenue to Balboa Boulevard. KOA will be providing transportation and electrical design services, which include bikeway lighting, street improvements, on-street signing/striping, and support supplemental analysis for Envision certification. KOA is also providing civil and traffic engineering services to provide various first/last mile improvements in conjunction with ATP Cycle 4 grant funds. These improvements include four new traffic circles, Class I, III, and IV bike facilities, ADA compliant curb ramps, and intersection modifications.

REFERENCE: Dean Howell, Project Manager, Gruen Associates, 6330 San Vicente Blvd., Suite 200, Los Angeles, CA 90048, (323) 937-4270, howell@gruenassociates.com | **DURATION:** 07/2017 - Ongoing | **CONTRACT VALUE:** \$450,000 | **KEY PERSONNEL:** Giuseppe Canzonieri, Matt Stepien, Edward Okitsu



RELATED EXPERIENCE AND REFERENCES

CITY OF CLAREMONT FOOTHILL BOULEVARD

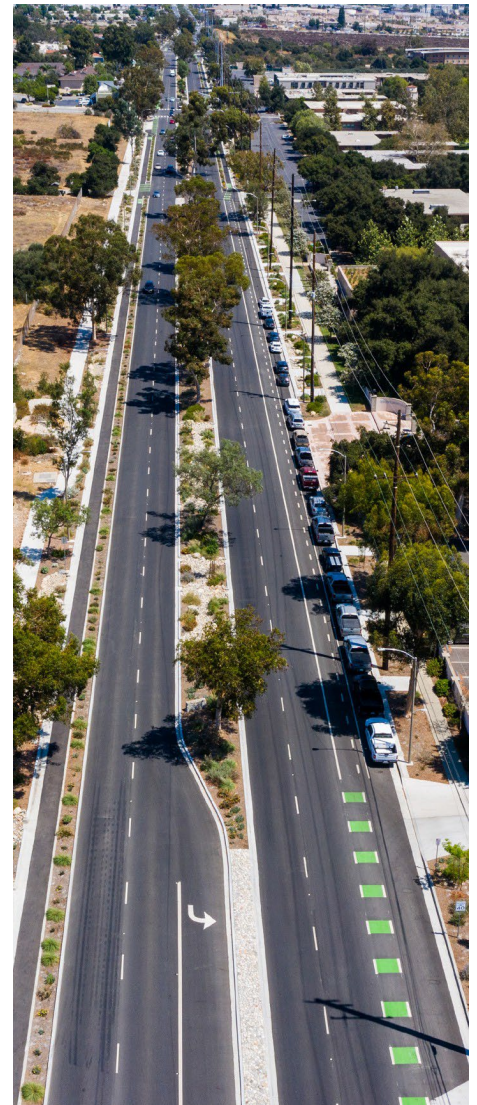
CLAREMONT, CA

American Public Works Association (APWA) 2020 Best Award for Storm Water Quality AWSLA Southern California Chapter Transportation/ Multi-Modal Award

KOA

KOA assisted the City to prepare plans, specifications and estimates (PS&E) to implement the Foothill Boulevard Master Plan in the City of Claremont. The project is contained to a two-mile stretch along Foothill Boulevard between Town Avenue and The City Boundary. The initial phases of the project included a comprehensive traffic impact study, geotechnical investigation (including percolation test), and hydrology study. The design team utilized the preliminary data to develop three concept plans including protected intersections, Class IV bikeway integration, bio-retention/infiltration, and drought tolerant landscape. The preferred alternative included roadway improvements, bio-retention planters, 21 drywells, 900-feet of new storm drains, Class II & IV bicycle lanes, intersection bulb-outs, median and parkway landscaping/irrigation, traffic signal modification, sidewalk improvements, street/pedestrian lighting, and entry monuments. KOA led the team of consultants throughout the design, bid, and construction phases. In addition, KOA provided construction management and inspection service.

REFERENCE: Vincent Ramos, Assistant Engineer, City of Claremont, 207 Harvard Avenue, Claremont, CA 91711, (909) 399-5395, vramos@ci.claremont.ca.us | **DURATION:** 06/2016 - 02/2021 | **CONTRACT VALUE:** \$1,800,000 | **STAFF:** Giuseppe Canzonieri, Chuck Stephan, Anastasia Canzonieri, Gordon Roberts, Kevin Higgins



CITY OF CULVER CITY 2020 PAVEMENT REHABILITATION PROJECT

CULVER CITY, CA

KOA (only if we have subs on a prime proposal)

KOA provided engineering services for the 2020 Pavement Rehabilitation Project in the City of Culver City. KOA prepared pavement rehabilitation plans along 11 corridors, restoration striping plans along 7 corridors, traffic signal modifications at 8 locations, worksite traffic control plans, preparing the Caltrans Encroachment Permit, and preparing cost estimates.

REFERENCE: Gabriel Garcia, Transportation Engineering Manager, City of Culver City, 9770 Culver Boulevard, 2nd Floor, Culver City, CA 90232, (310) 253-5633, gabriel.garcia@culvercity.org | **DURATION:** 03/2020 - 01/2022 | **CONTRACT VALUE:** \$135,785 | **KEY PERSONNEL:** Giuseppe Canzonieri



RELATED EXPERIENCE AND REFERENCES

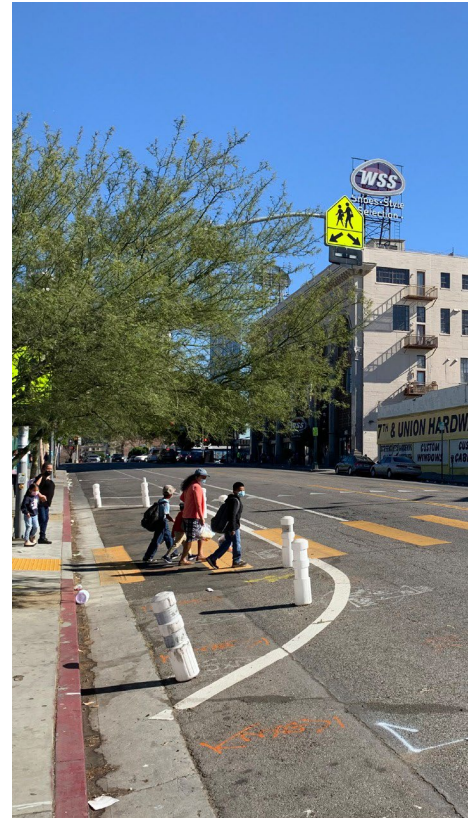
LADOT SAFE ROUTES TO SCHOOL (SRTS) ESPERANZA ELEMENTARY SCHOOL PS&E

LOS ANGELES, CA

KOA

KOA provided engineering services for the City of Los Angeles Department of Transportation (LADOT) Safe Routes To School (SRTS) Project. The engineering services included preparation of plans and quantity estimates for the design of CRALA funded improvements at Esperanza Elementary School. KOA worked with LADOT and Streets LA Design Build section to design several improvements along Little Street between Wilshire Boulevard and 7th Street, and at the intersections of Little Street/Wilshire Boulevard and 7th Street/Beacon Avenue. Improvements included a two-way to one-way street conversion, safety valet, median improvements, new traffic signal, rectangular rapid flashing beacons, curb ramps, and temporary curb extensions.

REFERENCE: Margot Ocañas, Director, Safe Routes to School, 100 S. Main Street, 10th Floor, Los Angeles, CA 90012, (213) 928-9707, margot.ocanas@lacity.org | **DURATION:** 02/2017 - 06/2020 | **CONTRACT VALUE:** \$68,620 | **KEY PERSONNEL:** Giuseppe Canzonieri



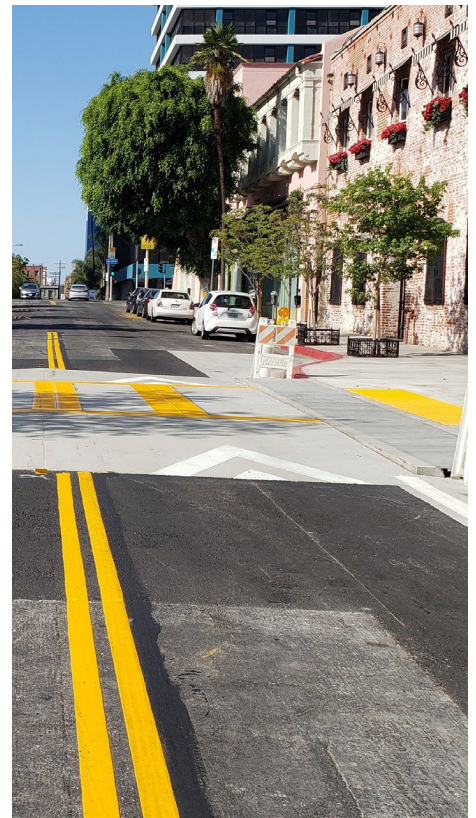
LADOT SAFE ROUTES TO SCHOOL (SRTS) CHARLES WHITE ELEMENTARY SCHOOL PS&E

LOS ANGELES, CA

KOA

KOA provided engineering services for the City of Los Angeles Department of Transportation (LADOT) Safe Routes To School (SRTS) Project. The engineering services included preparation of plans and quantity estimates for the design of CRALA funded improvements at Charles White Elementary School. Improvements included the City's first raised crosswalk, as well as curb ramps and curb extensions along Carondelet Street between 6th Street and Wilshire Boulevard.

REFERENCE: Margot Ocañas, Director, Safe Routes to School, 100 S. Main Street, 10th Floor, Los Angeles, CA 90012, (213) 928-9707, margot.ocanas@lacity.org | **DURATION:** 02/2017 - 03/2022 | **CONTRACT VALUE:** \$45,750 | **KEY PERSONNEL:** Giuseppe Canzonieri



RELATED EXPERIENCE AND REFERENCES

CITY OF LA HABRA ALLEY AREAS 4, 5, 6 AND 7 REHABILITATION

LOS ANGELES, CA

KOA

KOA provided the City of La Habra with design engineering services for the rehabilitation of Alley Areas 4, 5, 6, and 7 (current assignment) between 2018 and present day. The projects generally include assisting the City in developing a pavement rehabilitation strategy that was effective and within available budget, the rehabilitation of existing asphalt, design of new longitudinal concrete gutter, and replacement of existing alley approaches and adjacent sidewalk. These projects were funded through Community Development Block Grants (CDBG). KOA prepared street improvement plans, project specifications, and cost estimates for each project.

REFERENCE: Tony An, Engineering Division, 110 East La Habra Blvd., La Habra, CA 90631, tan@lahabracal.gov | **DURATION:** 2019 – Present | **COMBINED CONTRACT VALUE:** \$351,692 | **KEY PERSONNEL:** Giuseppe Canzonieri

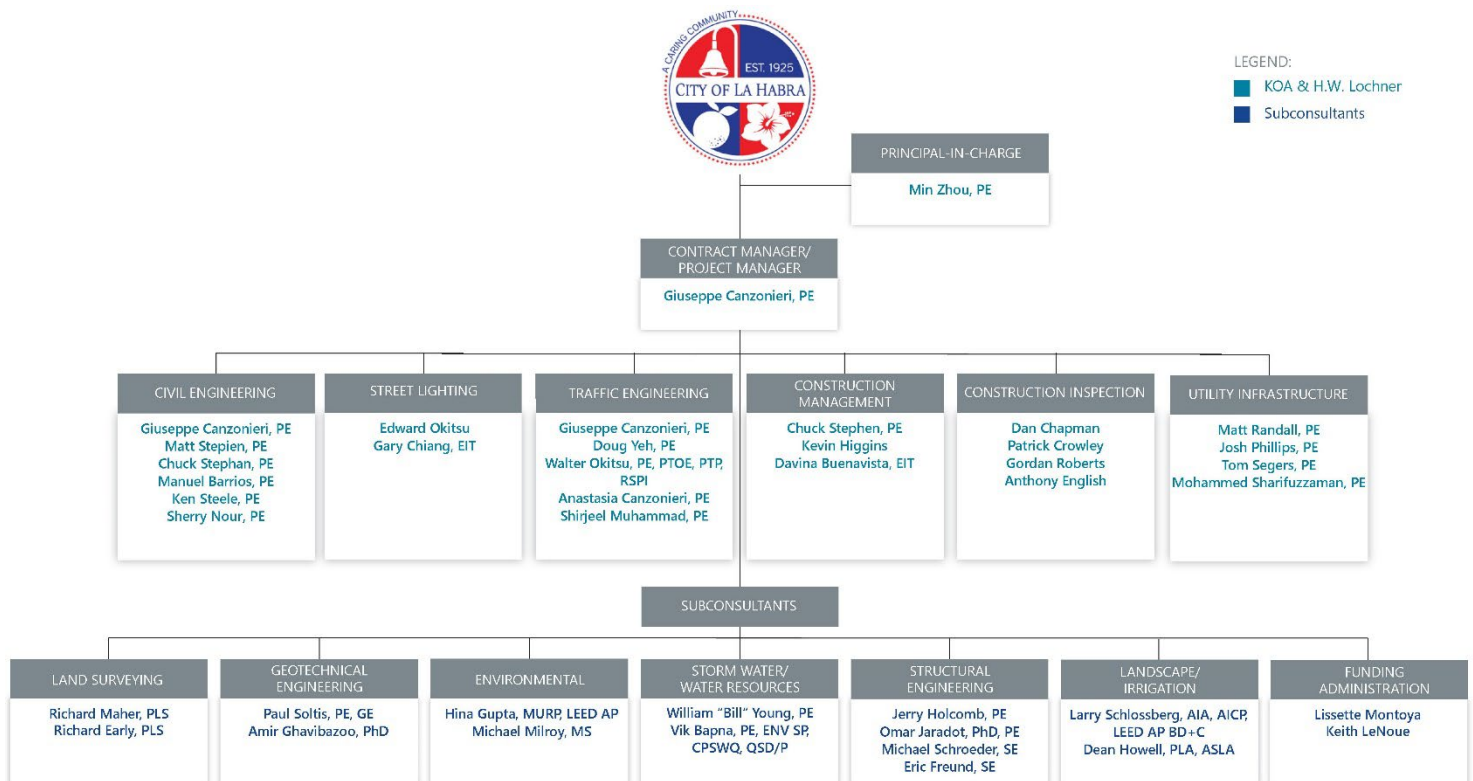


B. Proposed Staffing and Project Organization

ORGANIZATION CHART

The organizational chart below reflects the proposed roles and organization of the KOA staff who will be assigned to perform and/or assist with the required services and deliverables. KOA has a capacity of over 105 qualified professionals available to perform services for this effort. Our project team was organized specifically for this project based on the skill set and experience of the staff.

This organization chart represents both organization charts requested in the RFP.



KEY STAFF REFERENCES



KEY STAFF	REFERENCE 1	REFERENCE 2
Giuseppe Canzonieri	Gabriel Garcia, Transportation Eng Manager City of Culver City 9770 Culver Blvd Culver City, CA 90232 (310) 253-5633	Joseph SanClemente, Public Works Director City of Hermosa Beach 1315 Valley Drive Hermosa Beach, CA 90254 (310) 318-0214
Chuck Stephan	Yurhi Choi, Senior Engineer City of Eastvale 12363 Limonite Ave, Ste. 910, Eastvale, CA 91752 (951) 703-4471	Ricardo O. Sanchez, Consultant Project Manager City of Corona 400 S. Vicentia Avenue, Corona, CA 92882 (951) 991-1047
Manuel Barrios	Thomas A. Bustamonte, Supervising Engineer San Bernardino County DPW 825 E. Third St., San Bernardino, CA 92415 (909) 387-7922	Jorge M. Magana, Public Works 411 W. Ocean Blvd., 5 th Floor Long Beach, CA 90802, (562) 570-6678
Ken Steele	Jeff Mills, Program Manager OCTA 550 S. Main Street, Orange, CA 92863 (714) 560-5925	Dennis Mak, Project Manager Highway Programs OCTA 550 S. Main Street, Orange, CA 92863 (714) 560-5826
Sherry Nour	Ali Iqbal, Construction Manager OHL USA Contractors 3100 West Lake Center Dr., Ste. 200 Santa Ana, CA 92704 (714) 297-8152	Dan Phu, OCTA Program Manager OCTA 550 S. Main Street, Orange, CA 92868 (714) 560-6282
Josh Phillips	Scott Pearson, Staff Engineer City of Raymond, Dept of PW 300 First St. Raymond, WA 98577 (360) 942-4108	Martin Hoppe, Transportation Manager City of Lacey 420 College Street SE Lacey, WA 98503 (360) 491-3214
Tom Segers	Erin Lawson, Transportation Section Manager Pinellas County Public Works 14 S. Ft. Harrison Ave., 6 th Floor Clearwater, FL 33756 elawson@pinellascounty.org	Cristina Serra, Professional Engineer Southwest Florid Water Management District 2379 Broad St Brooksville, FL 34604 Cristina.Serra@swfwmd.state.fl.us
Doug Yeh	Susan Zarei, Civil Engineer LADCPW, 900 S. Fremont Ave. Alhambra, CA 91803 (626) 458-3116	Vincent Chan, Transportation Engineer LADOT, 100 S. Main St., 10 th Floor Los Angeles, CA 90012 (214) 972-4994
Walter Okitsu	Joseph SanClemente, PW Director City of Hermosa Beach 1315 Valley Drive Hermosa Beach, CA 90254 (310) 318-0214	Paul van Dyk, Traffic Engineer City of Long Beach 333 W. Ocean Blvd., 10 th Fl Long Beach, CA 90802 (562) 570-6675
Kevin Higgins	Donn Uyeno, Principal Civil Engineer City of Indio 100 Civic Center Mall Indio, CA 92201 (760) 391-4028	Vincent Ramos City of Claremont 207 Harvard Ave. N. Claremont, CA 91711 (951) 258-5156
Dan Chapman	Armen Avazian, Sr. Engineer City of Glendale 613 E. Broadway Glendale, CA 91206 (818) 548-3900	Anthony Indolino, Street Light Maint Sup City of Pasadena 100 N. Garfield Ave. Pasadena, CA 91101 (626) 744-7311
Patrick Crowley	Mario Carranza, PW Supv for Streets/Sewers City of Redondo Beach PW 531 N. Gertrude Ave. Redondo Beach, CA 90277 (310) 318-0686	Kendrick Sanderling, Assoc. Engr. City of Inglewood One Manchester Blvd., 3 rd Fl. Inglewood, CA 90301 (310) 412-5333

KOA TEAM SUMMARY RESUMES



GIUSEPPE CANZONIERI, PE

CONTRACT MANAGER | CIVIL ENGINEERING | DESIGN STANDARDS & PROCEDURES | SENIOR ENGINEER

KOA

Giuseppe Canzonieri is a Senior Engineer with KOA. He has performed numerous projects for both public and private developments throughout Southern California. He has considerable experience working with roadway design, traffic signal design, signing & striping design, traffic control design, construction specifications and cost estimates. He has served as project manager and project engineer on several civil and traffic engineering design projects for several Cities throughout Southern California. Giuseppe is also known for his quality control capabilities and providing clients with high quality construction documents.



EDUCATION

BS, Civil Engineering, California State Polytechnic University, Pomona

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), Civil, CA #79006

RELEVANT EXPERIENCE

- City of La Habra Alley Areas 4, 5, 6 and 7 Rehabilitation, La Habra, CA
- Pico Blvd. Pedestrian Safety Improvement Project, City of Santa Monica, CA
- 2020 Pavement Rehabilitation Project, City of Culver City, CA
- LACPW Rowland Heights Saleroso Dr. Et Al Pavement Impr. Project, Rowland Heights, CA
- LADOT Safe Routes To School (SRTS) PS&E, Los Angeles, CA

MIN ZHOU, PE

PRINCIPAL-IN-CHARGE | VP AREA MANAGER

KOA

Min Zhou has over 30 years of transportation engineering and planning experience in both public and private sectors, developing exceptional professional expertise in roadway and traffic design, transportation studies and modeling, active transportation planning, database management, and statistical analysis. Her professional expertise includes travel demand modeling, corridor studies, traffic signal operation, coordination and traffic simulation. Min has become the leading force for all of KOA's active transportation projects. She has managed numerous large-scale projects involving multiple stakeholder groups and has a high reputation of delivering projects both on-time and under budget.



EDUCATION

MS, Civil Engineering, Michigan State University, E. Lansing, MI

MS, Urban Planning, School of Architecture, Tsinghua University, Beijing, China

BS, Urban Planning, School of Architecture, Tongji University, Shanghai, China

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), Civil, CA #66448

RELEVANT EXPERIENCE

- OCTA, On-Call Traffic Engineering & ITS Services, Orange, CA
- Marine Avenue at Cedar Avenue Traffic Signal and Intersection Improvement Project, City of Manhattan Beach, CA
- City of Lake Elsinore HSIP Cycle 9, Lake Elsinore, CA
- Multiple Traffic Signal Synchronization Projects, City of Long Beach, CA
- Talbert Channel Bike Path, City of Huntington Beach, CA
- Mountain Street Complete Streets Project, Pasadena, CA
- City of Laguna Beach Coast Highway Intersection Improvement Traffic Calming PS&E, Laguna Beach, CA

KOA TEAM SUMMARY RESUMES



MATT STEPIEN, PE

CIVIL ENGINEERING | DESIGN STANDARDS & PROCEDURES |
SENIOR ENGINEER

KOA

Matt Stepien has 42 years of civil engineering experience with an emphasis on design and management of numerous municipal roadway, utility and infrastructure improvement projects from preliminary to final design, preparing master planning studies, PS&Es and providing quality control. Recent experience includes planning and design for infrastructure projects for the Cities of San Juan Capistrano, Stanton, Costa Mesa, Seal Beach, Laguna Beach, Anaheim, Long Beach, Santa Fe Springs, Downey, Norwalk, and La Habra, as well as the Orange County Transportation Authority and LA Metro. He has served as project manager for numerous significant engineering projects during the last 20 years, all having one thing in common – they were successfully built without problems



EDUCATION

BS, Civil Engineering, California State Polytechnic University, Pomona

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), Civil, CA #35500

RELEVANT EXPERIENCE

- On-Call Civil Engineering (Roadway), City of Long Beach, CA
- On-Call Engineering Services, City of Downey, CA
- On-Call Engineering Services, City of Santa Fe Springs, CA
- SBCTA, Metrolink ATP Phase II, San Bernardino, CA
- LA River Greenway Segments 1 & 2 Implementation, Los Angeles, CA
- LACPW Rowland Heights Saleroso Drive Et Al Pavement Improvement Project, Rowland Heights, CA

CHUCK STEPHAN, PE

CIVIL ENGINEERING | CONSTRUCTION MANAGEMENT |
VP AREA MANAGER

KOA

Chuck Stephan has 40 years of experience in civil engineering design and project management on projects for many municipalities and private firms. He specializes in civil engineering design, and construction management for municipal Capital Improvement Projects, including pavement design and rehabilitation; ADA improvements; water pipelines; storm drain and sanitary sewers; medians and landscaping; parking lots; site improvements; plan checking; NPDES requirements. He also manages various funding sources including local, state, and federal-aid projects; SR2S; SRTS; STPL; various grant applications and reimbursement requests.



EDUCATION

BS, Agricultural Engineering, California Polytechnic State University, San Luis Obispo

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), Civil, CA #50481

RELEVANT EXPERIENCE

- Construction Management and Inspection Services for the Glenoaks Boulevard Improvement Project, HSIPL 5202(018), City of San Fernando, CA
- Sanitary Sewer Rehabilitation, City of Redondo Beach, CA
- 2019-2020 Pavement Rehabilitation Project, City of El Segundo, CA
- 2016-2019 Pavement Rehabilitation Project, City of Culver City, CA
- Engineering Services, Program Management, Project Management, Design, and Construction Management, City of La Habra, CA

KOA TEAM SUMMARY RESUMES



MANUEL BARRIOS, PE

CIVIL ENGINEERING | SENIOR ASSOCIATE ENGINEER
KOA

Manuel Barrios has worked on a variety of projects involving roadway design and plan preparation and a wide range of public works, capital improvement and land development projects for various cities throughout Los Angeles and Orange Counties. Manuel has delivered projects for both horizontal and vertical design for public agencies such as the Los Angeles County Metropolitan Transportation Authority (Metro) and the Los Angeles Bureau of Engineering/Department of Transportation (LABOE/DOT). He has served as project engineer for several public agencies to construct, widen and improve roadways, determine utility relocations, design and prepare grading, drainage, sewer and water utility and site improvement plans.



EDUCATION

BS, Civil Engineering,
University of California, Irvine

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), Civil, CA
#92491

RELEVANT EXPERIENCE

- Bush Street Bike Boulevard PS&E, City of Santa Ana, CA
- County of San Bernardino Department of Public Works Bloomington Avenue Reconstruction, San Bernardino, CA
- SBCTA, Metrolink ATP Phase II, San Bernardino, CA
- OCTA Aliso Creek Road Regional Traffic Signal Synchronization Project (RTSSP), Orange County, CA

ANASTASIA CANZONIERI, PE

CIVIL ENGINEERING | SENIOR ASSOCIATE ENGINEER
KOA

Ana Canzonieri is a Senior Associate Engineer with KOA. Her expertise includes the preparation, design and management of engineering plans, specifications and cost estimate (PS&E) for public works projects. She has successfully completed multiple project from concept to construction for agencies throughout Southern California. She has experience in street improvement design, traffic signal design, street lighting, signing & striping and traffic control design. Recent projects include the Long Beach Market Street Pedestrian and Streetscape Enhancement Project and the Santa Monica Olympic Boulevard Improvement Project. Ana also has experience working for a public agency (City of Anaheim, Traffic Department), and is familiar with preparing presentations, presenting to Stakeholders, and the politics, policies, and procedures of public agencies.



EDUCATION

BS, Civil Engineering, University of
California, Irvine, CA

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), Civil, CA
#86541

RELEVANT EXPERIENCE

- OCTA Aliso Creek Road Regional Traffic Signal Synchronization Project (RTSSP), Orange County, CA
- OCTA Traffic Signal Synchronization Master Plan, Orange County, CA
- County of Los Angeles, Engineering & Traffic Surveys
- Lambert Road Traffic Signal Synchronization Project (TSSP), City of Whittier, CA
- Oak Station Trailhead PS&E, City of Whittier, CA
- SBCTA, Metrolink ATP Phase II, San Bernardino, CA

KOA TEAM SUMMARY RESUMES



KEN STEELE, PE

CIVIL ENGINEERING | DESIGN STANDARDS & PROCEDURES |
TRANSPORTATION ENGINEER

H.W. Lochner

Ken Steele, PE has 37 years of management and design experience and is a transportation leader who has developed and managed successful design teams and managed numerous and varied projects throughout southern California. His roles have included design group manager, project manager, quality assurance oversight, varied technical roles, business development, and marketing. Ken has successfully completed numerous major multidiscipline and multiagency transportation projects providing innovative quality engineering services and meeting clients' project budgets and schedules. He has managed design of state highways, new streets, street widening, street realignments, and pavement rehabilitations; light rail and railroad design, grade separations, and California Public Utilities Commission coordination; flood control facilities, water, and sewer projects; airport runways and taxiways, and traffic signals, signing, and striping. Ken has supervised the preparation of feasibility studies, project study reports, project reports, environmental documents, safety studies, bid documents, and construction specifications. He has also provided construction administration and inspection services.



EDUCATION

Bachelor of Science in Civil Engineering, California Polytechnic State University, San Luis Obispo, CA

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), CA
#37247

RELEVANT EXPERIENCE

- 405 Construction Support Services, Orange County, CA
- San Diego Freeway (I-405), SR 73 to I-605 Widening Design Build, CA

SHERRY NOUR, MS, PE

CIVIL ENGINEERING | DESIGN STANDARDS & PROCEDURES |
SENIOR PROJECT MANAGER

H.W. Lochner

Sherry Nour has more than 25 years of experience on a wide variety of roadway projects. Sherry has been responsible for the management and technical leadership for all phases of the development and design of freeway/roadway facilities—from planning (PSRs, PRs) through final PS&E and construction. Sherry's project management experience includes proactive client and subconsultant coordination; technical representation at public meetings; scheduling; budgeting; quality control; quality assurance to meet project milestones; and supervising and developing design teams. As a senior project manager, Sherry has been responsible for the design and review of the geometric design of highway and interchange improvements, including stage construction, grading, drainage, signing, pavement delineation, cost estimates, and specification.



EDUCATION

Bachelor of Science in Civil Engineering, Oklahoma State University

Master of Science in Structural Engineering, Oklahoma State University

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), CA
#44567

RELEVANT EXPERIENCE

- San Diego Freeway (I-405), SR 73 to I-605 Widening Design Build, Orange County, CA
- I-405 Construction Support Services, Orange County, CA
- SR-91 Westbound Off-Ramp Beach Boulevard Widening, Buena Park, CA
- 17th Street Grade Separation PR-ED, Santa Ana, CA

KOA TEAM SUMMARY RESUMES



MATTHEW RANDALL, PE

UTILITY INFRASTRUCTURE | SENIOR ENGINEER

H.W. Lochner

Matt Randall has more than 22 years of design experience managing the civil development process from planning through design and permitting to construction on public and private projects throughout the states of Washington and Oregon. Matt specializes in innovative stormwater solutions, and uses his thorough understanding of Washington Department of Ecology's stormwater manual to guide project design. Over his career, managing stormwater has become an increasingly important design element on every project, often driving the project design. Utilizing a design toolbox that includes Low Impact Development (LID) elements (porous pavements, rain gardens, stormwater fountain features, bioswales, storm planters and on-site infiltration) along with traditional detention ponds and mechanical treatment options, Matt seeks to incorporate natural functions into the built environment to create aesthetically pleasing and functional water quality and flow control solutions for each project. Matt draws on his ability to connect with clients and design team members on an individual level to better understand the objectives behind each project.



EDUCATION

Bachelor of Science in Civil Engineering, Washington State University, WA

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), WA #49708

Professional Engineer (PE), OR #75130

RELEVANT EXPERIENCE

- South George Washington Way Intersection Improvements, Richard, WA
- Northwest/Bakerview Intersection Improvements, Bellingham, WA
- DuPont-Steilacoom Road Improvement Project, DuPont, WA

JOSHUA PHILLIPS, PE

UTILITY INFRASTRUCTURE | CIVIL ENGINEER

H.W. Lochner

Joshua Phillips joined Lochner in 2017 and has over 24 years of experience working on public agency projects. He has completed numerous projects as the surface water/utility lead or lead designer, including stormwater facilities for various expansion corridors, roundabouts, and replacing old culverts/bridges. Joshua has also served as the drainage and utility task lead for a multitude of street extension projects.



EDUCATION

Bachelor of Science in Civil Engineering, University of Washington, Seattle, WA

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), WA #40880

Professional Engineer (PE), ID #20612

RELEVANT EXPERIENCE

- SR 526 General Engineering Consultant, Everett, WA
- Carpenter Road Roundabout, Lacey, WA
- SR-523 (N/NE 145th Street) and I-5 Interchange Project, Shoreline, WA
- DuPont-Steilacoom Road Improvement Project; DuPont, WA
- EW Corridor Final Design - Phase 3; Yakima County, WA
- 24th Street SE Extension; Lake Stevens, WA
- East-West Corridor Design; Yakima County, WA
- EW Corridor Final Design - Phase 2; Yakima County, WA
- Jackson Avenue Reconstruction; Raymond, WA
- Issaquah-Fall City Road Widening, 242nd Avenue to Klahanie Drive; Sammamish, WA

KOA TEAM SUMMARY RESUMES



TOM SEGERS, PE

UTILITY INFRASTRUCTURE | SENIOR DRAINAGE DESIGN ENGINEER

H.W. Lochner

Tom Segers is a Senior Drainage Engineer with extensive experience in designing urban and rural stormwater management facilities for state, municipal, and private clients. His roadway project expertise includes multilevel expressway interchanges, high-profile rural arterial to urban expressway conversions, urban roadway realignments within constricted rights-of-way, and high-speed arterial widening. Tom's design and inspection experience encompasses wastewater pumping stations, collection systems, force mains, water mains, and utility relocation design and coordination. He also provides project permitting, successfully coordinating with federal, state, regional, and local agencies and railroads.



EDUCATION

Bachelor of Science in Civil Engineering, University of Florida, FL

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), FL
#23025

Professional Engineer (PE), IN
#12100092

Professional Engineer (PE), NC
#052874

RELEVANT EXPERIENCE

- San Diego Freeway (I-405), SR 73 to I-605 Widening Design-Build; Orange County, CA
- Hillsborough County General Services Contract (2017-2019); Hillsborough County, FL
- Balm Riverview Road/Rhodine Road Intersection Improvements; Hillsborough County, FL
- Balm Riverview Road/Symmes Road Intersection Roundabout Design; Hillsborough County, FL

MOHAMMED SHARIFUZZAMAN, PE

UTILITY INFRASTRUCTURE | DRAINAGE ENGINEER

H.W. Lochner

Mohammed Sharifuzzaman brings more than 16 years of experience in civil, environmental, and transportation engineering and specializes in hydraulics and hydrologic modeling (H&H), surface water management system design, drainage basin/watershed modeling and floodplain analysis, master design studies, conceptual/master surface water management system design, stormwater pump station design, stormwater retrofit projects, nutrient loading analysis (TMDL calculations), Stormwater Treatment Area (STA) design, FDOT roadway drainage design, and bridge hydraulics. Mohammed's experience also includes land development projects; roadway projects, including new construction, widening and reconstruction, RRR, and safety improvements; and PD&E studies. He had work extensively with permitting agencies, including the South Florida Water Management District (SFWMD), the Florida Department of Environmental Protection (FDEP), the Florida Department of Transportation (FDOT), and the U.S. Army Corp of Engineers (USACE) as well as various counties and municipalities. Mohammad has built a trusted reputation with permitting agencies resulting in a long list of successful projects.



EDUCATION

Master of Civil Engineering in Civil Engineering, Lamar University, TX

Bachelor of Science in Civil Engineering, Bangladesh University of Engineering and Technology, Dhaka, Bangladesh

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), FL
#67640

RELEVANT EXPERIENCE

- I-95 from South of SR-870 Commercial Blvd. to North of Cypress Creek Road; Broward County, FL
- SR 8 (I-10_Thomasville Road) Final Design; Tallahassee, FL

KOA TEAM SUMMARY RESUMES



EDWARD OKITSU

STREET LIGHTING | SENIOR DESIGNER

KOA

Edward Okitsu is a Senior Designer for all street lighting projects undertaken by KOA's Los Angeles office. He also has significant experience in design of signing & striping, traffic signal and worksite traffic control as well as field investigation and data collection experience on numerous public works projects. Edward Okitsu is responsible for the operation of computer drafting stations and is an expert user of CADD and lighting illumination calculation software.



RELEVANT EXPERIENCE

- Temple City Rosemead Boulevard Safety Enhancements Design/Study, Temple City, CA
- Cesar Chavez Avenue Streetscape, East Los Angeles, CA
- Culver City Washington/Cardiff Street Lighting Conversion, Culver City, CA
- Street Lighting Master Plan, South Gate, CA
- Metro Mid-City Exposition Light Rail Transit Project, Los Angeles to Culver City, CA
- Los Angeles Cathedral, Los Angeles, CA
- Pico-Garnier Block Improvements, Olvera Street Rehabilitation, Los Angeles, CA

EDUCATION

ITS Extension Courses in Street Lighting, Institute of Transportation Studies

AA, Dental Technology, Los Angeles City College, CA

REGISTRATIONS/CERTIFICATIONS

N/A

GARY CHIANG, EIT

STREET LIGHTING | SENIOR DESIGNER

KOA

Gary Chiang specializes in the preparation of signing and striping, traffic signal, worksite traffic control, and street lighting design plans, as well as street lighting luminosity calculations. Based on his breadth of experience with plan preparation, he also has considerable knowledge of traffic signal equipment requirements and types. Gary also provides cost estimate information for roadway improvement plan sets. Through his efficient and effective coordination with agency staff, Gary has prepared and received approval of construction plan sets for projects throughout Southern California under a multitude of jurisdictions. He is also well versed in the preparation of graphics, presentation materials, and conceptual mitigation plans. Gary will be assisting the Project Manager on the traffic design aspects of the Project for the design consultation portion.



RELEVANT EXPERIENCE

- 7th Street Improvements, Culver City, CA
- LADWP On-Call Traffic Design Services, Los Angeles, CA
- Beverly Hills On-Call Pedestrian Crossings, Beverly Hills, CA
- Earl Carroll Theater Mixed-Use Project, Hollywood, CA
- Union Pacific Railroad LACTC, Los Angeles, CA
- Trancas Country Market, Malibu, CA

EDUCATION

BS, Civil Engineering, California State Polytechnic University, Pomona, CA

REGISTRATIONS/CERTIFICATIONS

Engineer-In-Training (EIT), CA #122271

KOA TEAM SUMMARY RESUMES



KEVIN HIGGINS

CONSTRUCTION MANAGEMENT | SENIOR CONSTRUCTION MANAGER
KOA

Kevin Higgins has 26 years of Public Works, Capital Improvement and Private Construction, Purchasing, Project Management, Field Construction Management and Inspection experience. He has participated in numerous street/highway widening projects, development of over 100 communities in land development including right-of-way, NOI's, encroachment permits, mass grading, grade separations, storm drain, box culverts, sewer collection systems, drainage systems, mainline water systems, ductile iron water lines, public/private street improvements, flood control channels, public landscaping, several park-sites, bond exoneration work and city acceptance on over 100 projects.



EDUCATION

BS, Business Management California State Polytechnic University, Pomona, CA

REGISTRATIONS/CERTIFICATIONS

Multiple Management, Project Management, Landscape, and SWPPP Training Courses 24-Hour and 8-Hour Caltrans SWPPP

RELEVANT EXPERIENCE

- Construction Management and Inspection Services for the Glenoaks Boulevard Improvement Project, HSIPL 5202(018)City of San Fernando, CA
- Construction Management and Inspection Services for Highway 111 Street Rehabilitation, City of Rancho Mirage, CA
- Foothill Boulevard Master Plan Improvement Project, City of Claremont, CA
- Clinton Keith Road / I-215 Interchange Landscape Improvement, City of Murrieta, CA

DAVINA BUENAVISTA, EIT

CONSTRUCTION MANAGEMENT | SENIOR CONSTRUCTION MANAGER
KOA

Davina Buenavista has over 20 years of experience in public works, and has managed a variety of capital improvement projects and maintenance programs from inception to completion, including planning, development, design, and construction. She has successfully completed numerous projects that involved roadway construction, traffic signal installation and upgrade, median and parkway landscape installation and maintenance, recreational park construction, utility (storm drain, water, and sewer) improvements, and facility upgrades and maintenance.



EDUCATION

BS, Civil Engineering, Loyola Marymount University, Los Angeles, CA

REGISTRATIONS/CERTIFICATIONS

Engineer-in-Training (Civil), CA #96552

RELEVANT EXPERIENCE

- On-Call Traffic Engineering & ITS Services, OCTA, Orange County, CA
- Ramona Boulevard Rehabilitation Project, City of El Monte, CA
- Red Car Greenway, City of Long Beach, CA
- Palos Verdes Boulevard Median Renovation, City of Redondo Beach, CA
- Construction Management and Inspection Services for Street and Sewer Rehabilitation, City of Redondo Beach, CA
- Construction Management and Inspection Services for the Glenoaks Boulevard Improvement Project, City of San Fernando, CA

KOA TEAM SUMMARY RESUMES



DAN CHAPMAN

CONSTRUCTION INSPECTION | SENIOR CONSTRUCTION INSPECTOR
KOA

[Full Name] has experience in transportation planning, bicycle/pedestrian planning, transit access and operations, traffic circulation, and economic development. He has worked on projects addressing bikeway planning and safety education, pedestrian circulation, First Last Mile, Tactical Urbanism, complete streets, transit operations, traffic studies, and economic revitalization. He has been involved in the development of numerous bicycle and pedestrian plans, including the City of South Gate Bicycle Plan and the City of Lancaster Bicycle and Pedestrian Plan. [First Name] has led walk audits at Metro stations and managed the implementation of a tactical urbanism pilot project to address pedestrian safety on César Chávez in Boyle Heights.



EDUCATION

BA, Pacific Coast Baptist Bible College, Long Beach, CA

REGISTRATIONS/CERTIFICATIONS

NICET Level III (Soil, Concrete, Asphalt)

Caltrans Certifications for Soil, Concrete, and Asphalt

ACI Strength Testing Technician Lab 1& 2

RELEVANT EXPERIENCE

- Annual Residential Street Rehabilitation and Water Main Replacement, City of La Habra, CA
- Construction Inspection Yucca Loma Bridge, Town of Apple Valley, CA
- Baseline Road at I-15 Interchange, Rancho Cucamonga, CA
- Caltrans District 5, State Route 46, Lost Hills, CA
- Caltrans District 6, State Route 99, Bakersfield, Chowchilla, and Madera, CA
- Caltrans District 7, State Route 5, Sun Valley, Sylmar, Burbank, Norwalk, Santa Fe Springs, La Mirada, and Gorman, CA

PATRICK CROWLEY

CONSTRUCTION INSPECTION | CONSTRUCTION INSPECTOR
KOA

Patrick Crowley has more than 20 years of underground construction industry experience. He has held positions in operations, management, engineering, and administration. Patrick has extensive experience in projects, specializing in gas distribution and cathodic protection, transmission, wet and dry utilities, and inspections. He is highly capable of managing projects involving cathodic protection and distribution main replacement. Patrick possess widespread knowledge about the natural gas distribution industry. He values safety, efficiency and quality. Prior to recently joining KOA, Patrick worked as a high pressure standby for gas operations at Henkels & McCoy, Inc.



EDUCATION

General Coursework, Fullerton College, Fullerton, CA

REGISTRATIONS/CERTIFICATIONS

Energized Vault Safety
Confined Space Training
Flagger Training
Backhoe/Forklift Certified
Competent Persons Training
Numerous Operator Qualifications
DOT Drug and Alcohol Trained
Pole Top & Confined Space Rescue
Accident Investigation
EEO Training
OSHA 30 Hour
Veriforce Evaluator/Proctor

RELEVANT EXPERIENCE

- Sanitary Sewer Rehabilitation, 2020 Upgrades to PCH/Vista del Mar, City of Redondo Beach, CA
- Ramona Boulevard Rehabilitation Project, El Monte, CA
- Ramona Boulevard and Valley Boulevard Intersection Improvement Project, City of El Monte, CA

KOA TEAM SUMMARY RESUMES



GORDAN ROBERTS

CONSTRUCTION INSPECTION | CONSTRUCTION INSPECTOR
KOA

Gordon Roberts has over 40 years of reliable commitment to professional work ethic, and diverse experience in progressively responsible positions from heavy equipment operator to superintendent to general engineering & building contractor including multiple trades contractor to project designer and inspector. Gordon possesses authoritative knowledge of building codes and regulations, plan reading and interpretation, multiple trades and overall respected construction practices. He interacts cooperatively with architects, engineers, general contractors, inspectors, other supervisors and the public.



EDUCATION

Engineering Courses, California State Contractor Trade School & Licensing, CA

REGISTRATIONS/CERTIFICATIONS

CSLB License (#301013)

RELEVANT EXPERIENCE

- Foothill Boulevard Master Plan Implementation, City of Claremont, CA
- Foothill Parkway Sewer and Water Improvement, City of Corona, CA
- True Avenue Water System Improvement, City of Downey, CA
- Ramona Boulevard Rehabilitation Project, City of El Monte, CA
- Construction Management and Inspections for the Highway 111 Street Rehab from Bob Hope Drive to East City Limit, City of Rancho Mirage, CA
- Construction Management and Inspection Services for the Glenoaks Boulevard Improvement Project, HSIPL 5202(018), City of San Fernando, CA

ANTHONY ENGLISH

CONSTRUCTION INSPECTION | CONSTRUCTION INSPECTOR
KOA

Anthony English entered the construction industry six years ago as a plumbing journeyman. He has held positions in plumbing, electrical and construction. His work experience includes public schools, private development, and public works CIP projects. He brings his hands-on experience and valuable knowledge to this project.



EDUCATION

AA, LAUSD "We Build" Program Graduate, West Valley Occupational Center, CA

REGISTRATIONS/CERTIFICATIONS

OSHA 10 Hour

Photovoltaic Technician 1,2,3

Construction Work 1,2,3

RELEVANT EXPERIENCE

- Residential Street Slurry Seal Project, City of Redondo Beach, CA
- Ramona Boulevard Rehabilitation Project, STPL-5210(025), City of El Monte, CA
- Ramona Boulevard and Valley Boulevard Intersection Improvement Project, City of El Monte, CA

KOA TEAM SUMMARY RESUMES



RICHARD MAHER, PLS

LAND SURVEYING | PRESIDENT

Subconsultant - KDM Meridian, Inc.

Richard Maher, PLS, is Professional Land Surveyor registered in the State of California, and president of KDM Meridian. Specializing in public works land surveying Richard has decades of experience providing design survey for various public works projects including for pavement rehab and roadway improvement projects. Not only has he provided these services direct to municipalities under one of KDM's multiple On-Call Agreements, he has also worked with multiple prominent design firms specializing in public works improvement projects, including KOA. Having provided survey for many multiple public works projects throughout Southern California, he has gained the experience necessary to tackle any land survey challenges that may arise on pavement rehab and roadway improvement projects.



EDUCATION

CW, Civil Engineering, California State University, Fullerton, CA

REGISTRATIONS/CERTIFICATIONS

Professional Land Surveyor (PLS), California L 7564

RELEVANT EXPERIENCE

- Citywide Pavement Rehab FY 20/21 Project, Moreno Valley, CA
- Area 7 Alley Rehabilitation Project, La Habra, CA
- Laguna Canyon Rd, Pavement Rehab Project, Laguna Beach, CA
- Regio Avenue Rehabilitation Project, Buena Park, CA
- Area 6 Alley Rehabilitation Project, La Habra, CA
- Olive Ave & Iris Ct Street Rehab Project, Fullerton, CA
- Project Title, City, CA

PATRICK EARL, PLS

LAND SURVEYING | SURVEY MANAGER

Subconsultant - KDM Meridian, Inc.

Patrick Earl, PLS, is a Professional Land Surveyor registered in the State of California. With over two decades of experience in land surveying, Patrick possesses diverse field experience providing topographic, boundary, and construction surveying for public works projects. Patrick oversees topographic mapping, boundary analysis, map checking, and survey calculations operations, has participated in the execution of hundreds of various public works projects, including pavement rehab and roadway improvement projects, both as a Project Manager and in his Supervisory Capacity over the Survey Department.



EDUCATION

BS, Mechanical Engineering, University of California, Santa Barbara, CA

REGISTRATIONS/CERTIFICATIONS

Professional Land Surveyor (PLS), California L 8773

RELEVANT EXPERIENCE

- Tweedy Mile Complete Street Project, South Gate, CA
- Citywide Pavement Rehab FY 20/21 Project, Moreno Valley, CA
- Yorba Linda Pavement Preservation Zones 5 & 6, Yorba Linda, CA
- Hawthorne and PCH Intersection Improvement Project, Torrance, CA
- University Drive Widening Improvement Project, Irvine, CA
- Valencia Avenue Street Improvements Project, Tustin, CA

KOA TEAM SUMMARY RESUMES



PAUL SOLTIS, PE, GE

GEOTECHNICAL ENGINEERING | VICE PRESIDENT

Subconsultant - Twining

Paul Soltis, PE, GE, brings more than 30 years of technical expertise to Twining. His experience includes geotechnical investigations and analyses relative to roads, bridges, highways, and other California infrastructure projects. Paul has extensive on-call contract management experience and the proven ability to simultaneously maintain and manage multiple projects. Paul is responsible for the technical oversight of the firm's geotechnical projects and management of the firm's geotechnical personnel. Paul Soltis' experience includes geotechnical investigations and analyses relative to the development of high-rise buildings, mixed-use facilities, DSA- and HCAI-permitted buildings, and other essential facilities. Paul's experience includes assuming the role as Geotechnical Engineer of Record during the construction phase of numerous high-profile projects throughout Southern California. He has extensive experience working under the jurisdiction of the City of LA Department of Building and Safety, County of Los Angeles GMED, DSA, and HCAI.



EDUCATION

MS, Geotechnical Engineering,
University of Colorado, Boulder, CO

BS, Civil Engineering, California
Polytechnic State University, San
Luis Obispo, CA

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE), Civil, CA,
#56140

Registered Geotechnical Engineer,
CA, GE 2606

RELEVANT EXPERIENCE

- City of Long Beach On-Call Services, Long Beach, CA
- City of Long Beach, Shoemaker Bridge Replacement, Long Beach, CA
- City of Long Beach Municipal Urban Stormwater Management Project, Long Beach, CA
- City of Huntington Beach, Beach Blvd Sewer Replacement, Huntington Beach, CA

AMIR GHAVIBAZOO, PHD

GEOTECHNICAL ENGINEERING | DIRECTOR OF ASPHALT
ENGINEERING AND PAVEMENT DESIGN

Subconsultant - Twining

Dr. Amir Ghavibazoo is Twining's Director of Asphalt Engineering and Pavement Design. He directs and works on pavement design, highway design, and engineering specifications. He is experienced in calculating Pavement Condition Index (PCI) through visual inspection following the United States Army Corps of Engineers' methodology as well as conducting Life Cycle Cost Analysis (LCCA) rehabilitation strategies for pavements. Additionally, he has extensive experience with advanced performance testing of asphalt binder including Dynamic Shear Rheometer (DSR), Bending Beam Rheometer (BBR), and other asphalt binder quality control tests. He works closely with cities and government agencies to develop unique and specialized mix designs, pavement inspections, and pavement design solutions. Amir also serves on several technical committees in California helping to develop new specifications and update existing ones. Amir currently holds a position as adjunct professor teaching pavement design at California State University, Long Beach.



EDUCATION

PhD, Civil and Environmental
Engineering, North Dakota State
University, Fargo

MS, Railways Engineering,
Iran University of Science and
Technology, Tehran, Iran

BS, Industrial Engineering,
University of Technology, Tehran, Iran

REGISTRATIONS/CERTIFICATIONS

N/A

RELEVANT EXPERIENCE

- City of Long Beach, LGB Taxiway C Improvements, Long Beach, CA
- City of Long Beach, LGB Taxiway D Rehabilitation, Long Beach, CA
- City of Long Beach, Long Beach Airport, Taxiway B Project, Long Beach, CA

HINA GUPTA, MURP, LEED AP

ENVIRONMENTAL | SENIOR ENVIRONMENTAL PLANNER
Subconsultant - UltraSystems Environmental

Hina Gupta is an urban planner with over 14 years of experience in environmental planning and regulatory permitting for a variety of projects including infrastructure, transportation, renewable energy, commercial, residential, mixed use and master planned development, and educational facilities. Her areas of expertise include: Sustainable Land use, Aesthetics and Visual Analysis, Socioeconomics and Community Impact Assessment, and Green Building Design. Hina Gupta is a LEED Accredited Professional and has experience working with public agency staff at various city and county departments within southern California.



EDUCATION

Master of Urban and Regional Planning, University of Southern California, Los Angeles, CA

B Arch, Chandigarh College of Architecture, Chandigarh, India

REGISTRATIONS/CERTIFICATIONS

LEED Accredited Professional – BD+C #10281034 (Leadership in Energy and Environmental Design)

RELEVANT EXPERIENCE

- 9160-9176 Sunset Boulevard Project, City of West Hollywood, CA
- Gage Avenue Bridge Rehabilitation Project, City of Bell, CA
- Western Sector Improvement Area Plan, Orange County Great Park, City of Irvine, CA
- North County ITS Extension Phase V Project, City of Palmdale, CA
- Malaga Bridge and Foothill Boulevard Street Improvement Project, City of Fontana, CA
- San Timoteo Storm Drain Project, City of Moreno Valley, CA

MICHAEL MILROY, MS

ENVIRONMENTAL | SENIOR ENVIRONMENTAL PLANNER
Subconsultant - UltraSystems Environmental

Michael Milroy is a detail-oriented Environmental Planner with over 15 focused years on California Environmental Quality Act (CEQA) document preparation, project management, and review of supporting technical studies; including, but not limited to, Environmental Impact Reports (EIRs), Initial Studies, Mitigated Negative Declarations, and NEPA documents.



EDUCATION

Master of Science, Interdisciplinary Studies / Neuroscience, California State University Long Beach, CA

Bachelor of Science, Biological Sciences, California State University Long Beach, CA

REGISTRATIONS/CERTIFICATIONS

Certificate, Environmental Management, University of California Irvine, CA

RELEVANT EXPERIENCE

- Green Day Oasis Project – IS-MND, Desert Hot Springs, CA
- District at Rubidoux Project, City of Jurupa Valley, CA
- City of Perris General Plan Update
- Garfield Avenue Improvements, City of South Gate, CA
- Robertson’s Quarry Project, EIR, Kern County, CA

KOA TEAM SUMMARY RESUMES



WILLIAM "BILL" YOUNG, PE

STORM WATER/ WATER RESOURCES | PROJECT MANAGER

Subconsultant - CWE

William "Bill" Young is a respected leader in the California civil engineering community, with 40 years of experience managing large and small design projects from conceptualization and design through construction. Bill's experience covers a diverse range of community improvement projects, involving parking lot, street, curb, and gutter repairs and improvements; highway design; pavement rehabilitation design, including previous pavement and interlocking pavers; bioswales and bioretention systems; stormwater BMPs; flood control infrastructure; and irrigation lines. He also has experience obtaining all necessary permits for these projects. His career experience includes three years of field survey, including field topography, boundary, construction staking, and as-built verification for utilities and flood control projects.



EDUCATION

BS, Civil Engineering, California State Polytechnic University, Pomona, CA

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE),
Civil, CA #35715

RELEVANT EXPERIENCE

- Washington Boulevard P3 Urban Runoff Diversion, City of Culver City, CA
- John Anson Ford Infiltration Cistern Project to Capture Urban Runoff, City of Bell Gardens, CA
- Burton Way Median Green Street, City of Beverly Hills, CA
- Storm Drain Point Repair, City of Rancho Palos Verdes, CA
- Los Amigos Park Stormwater Harvesting and Direct Use Demonstration, City of Santa Monica, CA

VIK BAPNA, PE, ENV SP, CPSWQ, QSD/P

STORM WATER/ WATER RESOURCES | PRINCIPAL

Subconsultant - CWE

Vik Bapna is an award-winning civil engineer with 32 years of experience in the planning, design, and construction of more than \$200 million worth of civil engineering projects, ranging from single-lot developments to regional stormwater BMP projects with multiple stakeholders. His experience includes developing multi-benefit water quality enhancement projects, developing projects to infiltrate urban and stormwater runoff, designing structural treatment control BMPs, and developing project concepts. Vik has been responsible for developing the first urban watershed plan addressing flood protection, water quality enhancements, creation of open space and recreational opportunities, and habitat enhancements.



EDUCATION

BS, Civil Engineering, New Jersey Institute of Technology, Newark, New Jersey

REGISTRATIONS/CERTIFICATIONS

Professional Engineer (PE),
Civil, CA #52060

Envision™ Sustainability
Professional Credential

Certified Professional in Storm
Water Quality, 543

Qualified SWPPP Developer/
Practitioner, 368

RELEVANT EXPERIENCE

- Water Quality Monitoring During the Repair of the Hermosa Beach Pier, City of Hermosa Beach, CA
- 8th Street Improvements, City of Hermosa Beach, CA
- City of Irvine University Drive Widening, Irvine, CA
- City of Los Angeles Garvanza Park Rainwater Capture and Use, Los Angeles, CA
- Annual Water Main Replacement Program, City of Santa Monica, CA
- Foothill Boulevard Master Plan Implementation, City of Claremont, CA

KOA TEAM SUMMARY RESUMES



MARK SCHROEDER, SE

STRUCTURAL ENGINEERING | FWC PRINCIPAL

Subconsultant - FWCSE

Mark Schroeder has been a principal with FWC since 2002 and has 33 years of structural engineering experience. He has engineered a broad array of retail, hospitality, commercial, healthcare, theme park, and civil engineering structures. He has extensive experience with both the design of new buildings as well as renovations of existing structures. His hands-on approach to solving structural engineering problems and his ability to clearly communicate his ideas has attracted a diverse set of building owners, contractors, and architectural clients to our firm. He balances their needs with his understanding of structural behavior, methods of construction, and building code requirements to develop cost effective solutions for each engineering assignment.



EDUCATION

MBA, University of Southern California, Los Angeles, CA
MS, Structural Engineering, University of California, Berkeley, CA
BS, Civil Engineering, University of California, Irvine, CA

REGISTRATIONS/CERTIFICATIONS

Structural Engineer (SE), CA #4110
Professional Engineer (PE), Civil, CA #50675
Licensed Structural Engineer in Arizona, Connecticut, Louisiana, Massachusetts, North Carolina, New Jersey, Tennessee, and Texas

RELEVANT EXPERIENCE

- County of Orange / John Wayne Airport On-Call Structural Engineering Services, Santa Ana, CA
- Harbor Blvd. Retaining Wall and Slope Stabilization Feasibility Project, Anaheim, CA
- Rancho Palos Verdes San Ramon Storm Drain, Rancho Palos Verdes, CA
- Lytle Creek Turnout Pressure Reducing Station, San Bernardino, CA

ERIC FREUND, SE

STRUCTURAL ENGINEERING | FWC SENIOR PROJECT ENGINEER

Subconsultant - FWCSE

Eric Freund has 23 years of structural engineering experience with the design of new buildings as well as with the investigation, analysis, and repair of existing structures. He has worked with a variety of building materials including wood framed structures, pre-cast and poured-in-place concrete structures, and steel-framed structures. His experience also includes the analysis and design of lateral and gravity framing systems of single family and multi-story buildings. Whether designing a new structure or conducting an evaluation of an existing one, Eric's understanding of structural behavior allows him to provide his clients with effective building design and repair solutions.



EDUCATION

MS, Structural Engineering, University of California, Irvine, CA
BS, Civil Engineering, University of California, Irvine, CA

REGISTRATIONS/CERTIFICATIONS

Structural Engineer (SE), CA #5169

Professional Engineer (PE), Civil, CA #650

RELEVANT EXPERIENCE

- City of La Mirada Plan Check Services for the Community Center, La Mirada, CA
- City of Rancho Santa Margarita Shoring Review, Rancho Santa Margarita, CA
- Lake Arrowhead Parking Structural Peer Review, Lake Arrowhead, CA
- Indian Hills Road Slope Mitigation Retaining Wall, Riverside, CA

KOA TEAM SUMMARY RESUMES



LARRY SCHLOSSBERG, AIA, AICP, LEED AP BD+C

LANDSCAPING/IRRIGATION | PRINCIPAL

Subconsultant - Gruen Associates

Larry Schlossberg joined Gruen Associates in 1987 as a Project Designer, was appointed to Associate and Vice President in 1991, and was named a Partner in 1997. He is responsible for directing the design activities of Gruen Associates, which includes work in architecture, interior design, urban design and physical planning. His work is broadly multi-disciplinary, having completed projects that span the range of environmental design from interior design to architecture to new community planning focused on public and institutional realms.



RELEVANT EXPERIENCE

- Paramount North Gateway Specific Plan, Paramount, CA
- Carson Streetscape Master Plan Implementation, Carson, CA
- City of Chino Civic Center Master Plan, Chino, CA
- 12518 West Venice Blvd. Co-Living, Los Angeles, CA
- 710 Corridor/El Sereno Neighborhood Vision Project (Master Plan), LA County, CA
- Downtown and TOD Pedestrian Master Plan, Long Beach, CA
- Corridor Cities Economic Analysis and Vision Plan; Cities of Montebello, Commerce, Pico Rivera, Santa Fe Springs and Whittier, CA

EDUCATION

Master of Architecture, Washington University, St. Louis, MO

BS, Architecture, California Polytechnic State University, San Luis Obispo, CA

REGISTRATIONS/CERTIFICATIONS
Registered Architect, CA #C17410

American Institute of Certified Planners (AICP)

LEED Accredited Professional

NCARB #68678

DEAN HOWELL, PLA, ASLA

LANDSCAPING/IRRIGATION | PRINCIPAL ASSOCIATE

Subconsultant - Gruen Associates

Dean Howell joined Gruen Associates in 2007 as an Urban Planner/Landscape Architect, was appointed to Dir. of Landscape Architecture in 2014 and Principal Associate in 2016. He develops conceptual designs that stress a balanced relationship between natural and social environments, and performs in-depth site analysis studies based on environmental, physical, social and economic considerations. His full range of tasks include design development and presentation illustrations to CDs for streetscapes, transit corridors, mixed-use developments, public parks and commercial projects in accordance with the accepted public standards for health, safety and welfare.



RELEVANT EXPERIENCE

- Carson Streetscape Master Plan Implementation, Carson, CA
- Rosemead Blvd. Safety Enhancements/Beautification, Temple City, CA
- Los Angeles Riverway Bikeways & Greenways, Los Angeles, CA
- Beverly Hills Gateways and Streetscape, Beverly Hills, CA
- Metro LA Union Station Forecourt & Esplanade, Los Angeles, CA
- Downtown and TOD Pedestrian Master Plan, Long Beach, CA
- Mid-City/Expo Light Rail Transit Line Design-Build, Los Angeles, CA
- Airport Metro Connector Station, Los Angeles, CA
- Exposition Corridor TNP - A Specific Plan, Los Angeles, CA
- Foothill Boulevard Master Plan Implementation, Claremont, CA

EDUCATION

Graduate Degree, Landscape Architecture, University of California, Los Angeles

BA, University of South Florida, FL

REGISTRATIONS/CERTIFICATIONS
Professional Landscape Architect, CA #5765

Member, American Society of Landscape Architects (ASLA)

KOA TEAM SUMMARY RESUMES



LISSETTE MONTOYA

FUNDING ADMINISTRATION/PERMITTING | PROGRAM DIRECTOR
Subconsultant - Avant-Garde

Lisette Montoya has more than 20 years of comprehensive expertise in project management and analysis, funding management, grant administration, and community outreach programs. She is experienced in issues impacting City governments and contract administration. Lisette is the Vice-President and CFO of Avant-Garde. She has experience in identifying federal and state fund allocation balances, programming funds, and administers long-and-short range programs consistent with the economic capabilities of the City. She has assisted various agencies in performing a variety of analyses and studies to identify State and Federal funding options; performed time-critical and confidential studies related to fiscal and administrative requirements of grant programs; assisted in the grants solicitation process; planned and coordinated the implementation of awarded grants to ensure that the City was in compliance with applicable laws and regulations, and monitored and audited grant expenses. Under her direction, our team has successfully monitored federal and state funding for municipal agencies throughout Southern California and written grants to secure over \$497 million in funding for government agencies.



EDUCATION

MA, Business Administration,
California State Polytechnic
University, Pomona, CA

BS, Business Management,
California State Polytechnic
University, Pomona

REGISTRATIONS/CERTIFICATIONS

N/A

RELEVANT EXPERIENCE

- SR-57/60 Confluence Project, City of Industry, CA
- Rosemead Blvd Beautification and Enhancements, Temple City, CA

KEITH LENOUE

FUNDING ADMINISTRATION/PERMITTING | SENIOR PROGRAM
COORDINATOR

Subconsultant - Avant-Garde

Keith LeNoue has over three years of experience in administrative and municipal program services and contract administration. As a Senior Program Coordinator, Keith LeNoue's main responsibilities include fund administration, grant research and writing, community outreach support, and program management services. Keith assists clients by identifying federal and state fund allocation balances, assisting in determining eligible projects, and providing advisement of program requirements. He is experienced in issues impacting City governments and has developing expertise in contract administration. His responsibilities have included interfacing with Federal, State and Local Agencies to define, develop, and manage project scopes, schedules, cooperative agreements and overall project management to ensure projects are delivered on time and on schedule, Keith has experience in preparing documents in accordance with the Local Assistance Procedures Manual for federally funded projects. He assists with processing documentation for projects to obtain Caltrans authorizations and reimbursement requests.



EDUCATION

MA, Business Administration, Azusa
Pacific University, CA

BA, Business Management, Azusa
Pacific University, CA

REGISTRATIONS/CERTIFICATIONS

N/A

RELEVANT EXPERIENCE

- HSIP Cycle 8 Various Locations, Bell Gardens, CA
- Local Highway Bridge Program, City of Industry, CA
- Foothill Blvd Traffic Signal Improvements, La Canada Flintridge, CA

C. Understanding and Approach

PROJECT UNDERSTANDING

KOA Corporation understands that the City of La Habra is seeking a highly qualified consulting firm to provide on-call professional engineering, construction management, and inspection services. Through project task orders issued by the City, the KOA team will be providing various support services for the Public Works Department on various types of projects including, but not limited to:

- Parking Lot Resurfacing
- Residential Street Rehabilitation
- Alley Rehabilitation
- Sidewalk and Access Ramp Program
- Bikeway Improvements
- Storm Drain Improvements
- Water Main Replacement
- Sewer Rehabilitation – Dig-Out & No Dig-Out Point Repair
- Manhole Rehabilitation
- Park Improvements
- Annual Slurry Seal Program
- Annual Arterial Street Reconstruction
- Lighting Upgrades
- Security Camera Installation

The scope of each project/task order may vary; however, we are equipped to assist the City at the planning, design, and construction phases of a project. We clearly understand the Design Phase and Construction Phase scope listed on pages 7-12 of the City-issued Request for Proposal and it is consistent with typical services the KOA team can provide.

QUALITY ASSURANCE/QUALITY CONTROL

KOA is also committed to generating quality work products, and strives to producing error-free plans. We have staff experienced in civil and traffic engineering, and we are particularly strong in producing high quality improvement plans.

A key factor to project success is accountability. KOA will be accountable to the City to deliver what is outlined in this proposal. We fully understand this principle and utilize our internal Quality Assurance and Quality Control (QA/QC) procedure to support our efforts throughout the life of each task order. Our QA/QC involves having plans go through a minimum of two stages of internal review before allowing plans to be submitted to an agency for plan review and approval. The first stage of internal review involves a peer review by an experienced design engineer. The second stage of internal review involves another round of reviews by one or more senior-level registered engineers. Each reviewer confirms that plans reflect the appropriate improvements and conform to the approving agency's design standards and plan format. The reviewers also verify that all plan check comments have been properly addressed on any plan revisions we prepare. Prior to completion of the 100% PS&E, we will perform a constructibility review, which entails going out to the project site with the plans and having a detailed walkthrough of anticipated construction activities. The goal of this exercise is to view the project from the contractors perspective and identify potential construction change orders. We will then make necessary adjustments to the plans to limit any issues during construction.

For design plans, we utilize Bluebeam Revu Software for all QA/QC activities. This software allows for paperless review, simultaneous commenting, cloud-based record keeping, and clean response to comments. We have found this tool to be very helpful and streamline review, response, and submittals.

This QA/QC approach has led to a high level of quality in our engineering plans, and we believe our firm has established a strong reputation with a number of agencies for producing high quality work products. A QA/QC Manager will be assigned to the project and will take the lead to ensure KOA's QA/QC process is followed and the City is receiving high quality submittals.



GENERAL WORK APPROACH & METHODOLOGY

The staffing and resource level needed for the project's scope of services will depend on the type of project, the size of the project, and the schedule. In order to determine the appropriate staffing and resource levels, the KOA Program Manager will typically go through the following process:

- The KOA Program Manager will review the work order provided by the City and assign a KOA Project Manager or subconsultant, to the project.
- If there are any uncertainties or other potential work scope items not covered in the work scope, the Project Manager will discuss them with the City to make sure the project scope is complete and well-understood.
- Once the project scope is understood, the KOA Project Manager will prepare a proposal. After approval by the City (and an agreement is executed), the KOA Project Manager will schedule a kickoff meeting with the City to confirm the scope, schedule, and overall expectations.
- After the kickoff meeting, the KOA Project Manager will lead the effort in establishing a dedicated KOA design team for the project that can meet the schedule and work expectations of the City.
- Our KOA Project Manager will be responsible for overseeing the overall project delivery and delegating work tasks to our firm's design staff, so that there are adequate resources working on the project to meet the necessary timeframes for submittal.
- We will have an experienced lead project engineer assigned to the project, who is very familiar with design projects and agency requirements. Our lead project engineer will closely oversee the day-to-day design production efforts and will serve as an assistant project manager to provide an additional point-of-contact and to ensure continuity of staff assigned to the project.
- The number of staff assigned to the project will be dependent on the size of the project, as well as the project's timeline. Depending on the number of plan sheets and documents we need to prepare and depending on the submittal schedule, we can gauge how many staff members we need to assign to the project. We believe our team has the staff depth and resources available to complete any foreseeable assignment.
- Generally, when we conduct field reviews, our field crew will consist of two staff members. If the project involves multiple locations and a tight deadline, we may send more than one field crew out, in order to expedite the work effort (but we won't take shortcuts on the thoroughness and quality of our field reviews).
- When preparing design plans in the office, the number of staff assigned to the project will depend on the number of plan sheets we need to prepare and how soon we need to finish them. If the project is relatively small and the schedule is manageable, we may have 1 or 2 design staff members involved. We will assign more design staff to the project, when the project tends to be larger. We have the flexibility to assign several staff members to a project, if necessary. Regardless of how many design staff we assign to the project, the KOA Project Manager and a lead project engineer are always involved.
- In the event an assignment requires special staffing needs and the services of outside specialists, we will include them in our proposal. As the prime consultant, it is our responsibility to ensure that any firms we hire comply with the necessary work scope and expected timelines to meet the City's requirements for the project.

SAMPLE WORK PLAN FOR PS&E PROJECTS

The KOA team will provide and manage the resources necessary to accomplish the scope of services as described in the RFP. KOA's work plan for preparing plans, specifications, and estimates (PS&E) for various improvement projects will generally involve the following procedures:

1. Understanding the Scope of Work



- a. Street Improvement Examples: Roadway widening, curb bulb-outs, pavement reconstruction, median island improvements, sidewalks and curb ramps, curb and gutter improvements, catch basins and other roadway drainage improvements, etc.
 - b. Traffic signal examples: Signal equipment upgrades, controller/cabinet replacement, add/modify signal phasing, vehicle detection improvements, highway/intersection safety lighting, pedestrian heads and push buttons, median nose cutbacks, ADA-compliant curb ramps, crosswalk modifications, etc.
 - c. Signing & Striping Examples: Add lanes, reconfigure lanes, restore striping, add/remove signs, add/modify crosswalk and limit lines, install bike lanes, modify parking restrictions, etc.
2. Conducting Research
 - a. Obtain as-built plans, acquire a topographic and right-of-way survey, controller cabinet inventory, County Assessor maps for right-of-way information, utility and substructure information, geotechnical/pavement engineering report, etc.
 3. Conducting a Thorough Field Review
 - a. Verify existing roadway features and configuration, roadway and pavement conditions, visible utilities, catch basins and drainage improvements, sidewalks, curb ramps, driveways, street trees, right-of-way constraints, potential design conflicts, existing signal equipment, pull boxes, curb ramps, vehicle detection systems, roadway striping, pavement markings, signage, etc.
 4. Preparing Accurate Base Plans
 - a. Base plans will depict all relevant existing or proposed street improvements, topography, traffic signal equipment and conduit, striping and pavement markings, signage, phase diagrams, centerline, north arrow, scale, street names, jurisdictional boundary lines, plan border, title block, signature block, etc.
 5. Designing the Appropriate Improvements
 - a. Street Improvements: Show proposed roadway features to be constructed, removed, or reconstructed. Show station call-outs for all proposed improvements and all appropriate dimensions. Show construction notes, general notes, and details. Show proposed centerline profile and curb line (or flow line) profiles, as appropriate. Follow appropriate design standards (SPPWC, Caltrans, etc.). Prepare roadway cross-sections, as appropriate.
 - b. Traffic Signal Improvements: Show proposed improvements, dimensions, construction notes, general notes, pole schedule, loop/detector assignments, proposed signal phase diagram and signal operation, conductor schedule and appropriate details. Design ADA-compliant curb ramps when necessary.
 - c. Signing & Striping Improvements: Show proposed pavement delineations, markings and roadside signs and the proper disposition of all affected existing pavement delineations, markings, roadside signs, roadway dimensions, lane widths, construction notes, and general notes. We will design the required transitions for the proposed pavement delineation to join with existing pavement delineations on intersection approaches and departures. Follow appropriate design guidelines (California MUTCD) for the placement of signs and lane transitions/taper rates based on the design speed.
 6. Performing a thorough quality control review process. This very important step will generally involve a design peer review, followed by a design supervisor review, and then followed by yet another review by a senior, experienced engineer. During our quality control process, we will verify the accuracy and correctness of plans, make sure the design conforms to the intended design scope, check constructability, and look out for potential utility or substructure conflicts. If necessary, we will conduct additional field reviews to verify the existing improvements and suitability/constructability of the proposed improvements.



7. Upon receiving plan check comments from the City, we will diligently review and address each and every comment made. We will try to understand the meaning and intent of each comment. If we have any questions or concerns, we will contact the City to discuss and resolve them, to ensure the plan revisions we make are done appropriately and correctly. If necessary, we will conduct additional field reviews to verify the proposed design. We will subject our plans to another round of internal quality control plan reviews before submitting the revised plans to the City. We will verify that we have addressed each and every plan check comment, either by making the appropriate plan revisions and/or making a note on the check prints.
8. If required, we can assist the City in preparing special provisions and construction cost estimates. We can prepare the necessary technical specifications for those items not covered by the SSPWC or Caltrans Specifications. We can prepare quantity estimates for each bid item and also determine appropriate unit prices based on recent bid price histories. When preparing our estimates of probable construction costs, we will adjust our estimated unit prices based on the relative quantities (higher unit prices for lower quantity items; lower unit prices for higher quantity items) and also the project location (higher unit prices for more remote locations and farther distances).
9. If needed, we will provide construction phase support services for the City. Our work plan will generally involve providing clarification to the design plans that we prepared and also preparing change order documents when necessary. We can also attend pre-bid meetings, pre-construction meetings, field meetings, etc. We will prepare bid addenda when needed, review contractor submittals, and will respond to requests for information (RFIs) upon request.

GENERAL CONSTRUCTION MANAGEMENT/INSPECTION WORK APPROACH

PRE-CONSTRUCTION COORDINATION

Our pre-construction coordination services will include review of the final PS&E, assistance to the City during bidding and advertising, attendance at a pre-bid conference (if needed), pre-qualification of bidders (if needed), review of bids, and recommendation for award.

CONSTRUCTION MANAGEMENT AND INSPECTION

KOA will normally provide part-time construction management (CM) services throughout the construction effort (full-time CM services are available if needed). We envision that the CM services will be more involved during startup efforts and decrease as the project progresses towards completion. KOA will provide full-time construction inspection (CI) services with our seasoned and experienced inspection staff. KOA has adequate alternate resources to provide additional and backup support services as needed.

CONSTRUCTION REPORTS AND DOCUMENTATION

We typically develop routine construction documentation and reporting to suit each project in accordance with the scope of services, type of work, funding and reporting requirements. We usually provide reports and file structure in Caltrans format for federal-aid projects. Documentation can be electronic (such as VPM), printed format, or both. Electronic versions are typically MS Office (Word, Excel), AutoCAD, and .pdf version for each.

GEOTECHNICAL/MATERIAL TESTING

During construction or preconstruction review, KOA may recommend various soils investigations, geotechnical, engineering geology, and environmental remediation reports which pertain to development and capital improvement projects. During construction, we may also recommend testing for the quality assurance of compaction, concrete, and other materials. When these types of exploratory or quality assurance services are needed, KOA will enlist a geotechnical engineering sub-consultant.

POST-CONSTRUCTION CLOSEOUT

KOA will assist the City in completely closing out each project.

Fee Proposal



Submitted separately per RFP request.



APPENDIX "B"


CONFLICT OF INTEREST DISCLAIMER

The undersigned, Min Zhou, declares that
(Print or Type Name)

KOA/H.W. Lochner does have/does not have (cross one out)
(Name of Firm)

interest, ownership or receives or anticipates receiving remuneration of any type from the manufacturer(s), supplier(s), or distributor(s) which may be recommended on the project, as listed below.

<u>Firm</u>	<u>Product</u>	<u>Remuneration</u>
N/A		



Signature of President, Secretary, Partner,
Owner or Representative

2/16/23
Date



APPENDIX "C"


**ACKNOWLEDGMENT OF INSURANCE REQUIREMENTS AND
CERTIFICATION OF ABILITY TO PROVIDE COVERAGES SPECIFIED**

I, Min Zhou, the Vice President
(President; Secretary; Owner or Representative)

of KOA Corporation, certify that the
(Company Name or Corporation, or Owner)

Insurance Requirements set forth in Article IV of the Proposed Agreement have been read and understood that our insurance company(ies) CNA Insurance Company and Beazley USA Services
(Name(s) of insurance company(ies))

is/are able to provide the coverages specified.



Signature of President, Secretary, Partner,
Owner or Representative

2/16/2023

Date



www.koacorp.com

EXHIBIT "B"
COMPENSATION RATES AND FEES

KOA Corporation	
2023 Hourly Billing Rates	
Professional Services	2023 Rates
Regional Manager	\$341
Principal II	\$320
Principal I	\$273
Senior Engineer II	\$261
Senior Engineer I	\$218
Senior Associate Engineer II	\$170
Senior Associate Engineer I	\$152
Associate Engineer II	\$140
Associate Engineer I	\$121
Senior Designer II	\$158
Senior Designer I	\$140
Associate Designer II	\$122
Associate Designer I	\$91
Senior Planner II	\$261
Senior Planner I	\$218
Senior Associate Planner II	\$170
Senior Associate Planner I	\$152
Associate Planner II	\$140
Associate Planner I	\$122
Senior Construction Manager	\$200
Construction Manager	\$184
Senior Construction Inspector	\$147
Construction Inspector	\$142
Administrative Assistant II	\$103
Administrative Assistant I	\$80
Intern	\$67

General Provisions:

- * Project reimbursable expenses are billed at cost.
- * Project expenses include: Non-commuter automobile mileage (\$0.655 per mile) or current IRS rate, postage and special courier expenses, travel expenses, reproduction, subcontractor services and other direct project expenses as requested by the client.
- * Telephone, equipment, and fax are included in the above hourly costs.
- * Direct expenses including blacklining, commercial CAD plotting, sub-consultant expense, issuance of specially endorsed insurance certificate, and direct costs are billed at cost plus 5% unless stated otherwise in the proposal.

KDM Meridian Fee Schedule

Subconsultant to:	KOA Corporation
Rates for:	
Issuing Agency:	
Subconsultant Discipline:	Land Survey & Mapping
Valid Period:	2023-2027

Professional Services

Schedule Category	Rate
Principal	\$248.00
Project Manager	\$232.00
Project Surveyor (Survey Map/Document Review Supervision)	\$215.00
Survey Technician (Survey Map/Document Review)	\$173.00
Clerical / Administration / Technical Aide	\$ 99.00
Expert Witness (4 Hour Minimum)	\$463.00
Survey Crew (1-person) (Prevailing Wage)	\$237.00
Survey Crew (2 persons) (Prevailing Wage)	\$364.00
Survey Crew (3 persons) (Prevailing Wage)	\$507.15

Reimbursables

Schedule Category	Rate
Rental of Special Equipment or Special Supplies	Cost + 5%
Subconsultants	Cost + 5%
Agency Fees	Actual Cost
Airfare	Cost + 5%
Per Diem (Meals & Lodging)	GSA Published Rates

Miscellaneous Fee Schedule Terms

Fee Schedule Terms and Conditions
A minimum of 4 hours per day will be charged for survey crews.
Over-time will be charged at 1.35 times the regular rate.
Double-time will be charged at 1.75 times the regular rate.
The above rates shall be charged portal to portal (time spent on project site plus travel time) excluding meal breaks.

HOURLY RATE SCHEDULE



Schedule of Fees 2022 - 2023

NOTE: Rates will be adjusted annually each July 1st to reflect increased costs.

Personnel Rates: Per Hour Unless Otherwise Noted

Task Code	Engineering and Consulting Personnel	Rate
10025	Senior Principal Advisor/Consultant	\$ 350.00
10001	Principal Engineer/Geologist	\$ 250.00
10017	Metallurgical Engineer	\$ 360.00
70000	Registered Geotechnical Engineer	\$ 245.00
10010	Technical Advisor	\$ 240.00
10011	Material Scientist, Welding/NDT Consultant	\$ 250.00
70003	Registered Geologist/Certified Engineering Geologist	\$ 245.00
10003	Senior Engineer/Geologist	\$ 220.00
10009	Registered Civil Engineer	\$ 215.00
60003	Roofing/Waterproofing Consultant	\$ 240.00
10013	Project Engineer/Manager	\$ 210.00
30000	Quality Control Manager	\$ 200.00
10005	Senior Staff Engineer/Geologist	\$ 195.00
10007	Staff Engineer/Geologist	\$ 190.00
10015	Quality Control Administrator	\$ 180.00
10019	Metallurgical Technician	\$ 155.00
90001	CADD Operator/Draftsperson	\$ 142.00
95103	Administrative Support	\$ 95.00
70107	Field Supervisor	\$ 175.00
91030	Safety Supervisor	\$ 175.00
20000	Laboratory Manager	\$ 160.00
98000	Laboratory Technician	\$ 135.00
90005	Expert Witness Testimony	\$ 590.00
91010	Qualified SWPPP Developer	\$ 195.00
91000	Qualified SWPPP Practitioner	\$ 180.00
30001	Vibration Engineer	\$ 220.00

Task Code	Field Inspection Personnel	Rate
10101	Concrete/Reinforced Steel Inspector	\$ 129.00
10103	Prestressed/Post Tensioned Inspector	\$ 129.00
10105	Concrete ICC Inspector	\$ 129.00
10109	Drilled-In-Anchors Inspector	\$ 129.00
10111	Gunitite/Shotcrete Inspector	\$ 129.00
10113	Masonry Inspector	\$ 129.00
10201	Structural Steel/Welding Inspector	\$ 129.00
10203	AWS Certified Welding Inspector	\$ 129.00
10207	Fireproofing Inspector	\$ 129.00
10501	Lead Inspector	\$ 132.00
10115	Firestop Special Inspector - IFC Premier	\$ 146.00
10117	Firestop Special Inspector - IQP	\$ 131.00
70109	L.A. Deputy Grading Inspector	\$ 134.00
75001	Asphalt Field and Plant Inspector/Technician	\$ 129.00
70103	Pile Driving Inspector	\$ 129.00
70101	Soils Technician	\$ 129.00
10107	Concrete Quality Control (ACI/Caltrans Technician)	\$ 129.00
10122	Wood Framing Inspector	\$ 129.00
60001	Roofing/Waterproofing Inspector	\$ 136.00
10500	Public Works Inspector	\$ 146.00
10515	Mechanical Inspector	\$ 154.00
10519	Electrical Inspector	\$ 154.00
10521	Plumbing Inspector	\$ 154.00
10523	Building Inspector	\$ 154.00
30002	Vibration Monitoring Technician	\$ 149.00
50003	Field Engineering Technician	\$ 129.00

Task Code	Shop Inspection Personnel	Rate
10301	Structural Steel Fabrication Inspector	\$ 129.00
10309	Batch Plant Quality Control Technician/Inspector	\$ 129.00
10325	Glue-Laminated Fabrication Inspector	Quotation
10328	Pre-Cast Concrete/Pipe Fabrication Inspector	\$ 129.00

Task Code	Nondestructive Testing Personnel	Rate
10401	NDE Ultrasonic Testing Technician	\$ 135.00
10403	NDE Magnetic Particle Testing Technician	\$ 135.00
10405	NDE Dye Penetrant Testing Technician	\$ 135.00
10305	Combination NDE Technician/Welding Inspector	\$ 135.00
10409	Radiographic Testing (Crew of 2)	\$ 360.00
10020	NDE Engineer	\$ 230.00

Task Code	Equipment Usage (Daily Unless Otherwise Noted)	Rate
95318	Skidmore	\$ 44.00
95309	Torque Wrench, Small	\$ 17.00
95312	Torque Wrench, Large	\$ 28.00
95315	Torque Multiplier	\$ 44.00
95321	Air Meter	\$ 22.00
95322	Unit Weight Bucket	\$ 33.00
95323	Field Concrete Scale	\$ 33.00
95324	Brass Mold	\$ 22.00

Task Code	Equipment Usage (Daily Unless Otherwise Noted), Continued	Rate
95343	Nuclear Gauge (Per Hour)	\$ 11.00
95319	Sand Cone Density Test Equipment	\$ 55.00
95333	Pull Test Equipment	\$ 66.00
95348	Concrete/Asphalt Coring Equipment	\$ 660.00
95327	Pachometer	\$ 61.00
95336	Floor Flatness (Dipstick)	\$ 55.00
95330	Schmidt Hammer	\$ 33.00
95341	Vapor Emission Test Kits	\$ 33.00
95342	Relative Humidity Probe	\$ 66.00
95339	UPV (Ultrasonic Pulse Velocity) Meter	\$ 385.00
95351	Fireproofing Adhesion/Cohesion (Per Test)	\$ 39.00
95300	A Scan Ultrasonic Equipment and Consumables	\$ 83.00
95303	Magnetic Particle Equipment and Consumables	\$ 44.00
95306	Liquid Penetrant Consumables	\$ 39.00
95307	Phased Array Ultrasonic Equipment (Per Hour)	\$ 66.00
95347	Ground Penetrating Radar	\$ 330.00
95345	Impact Echo	\$ 385.00
95362	Ultrasonic Tomography	\$ 495.00
95349	Inertial Profiler (Per Hour)	Quotation
95357	Project Dedicated Vehicle	\$ 150.00
95364	Roller Compacted Concrete Vibrating Hammer/Tampling Plate	\$ 77.00
95367	Half-Cell Potential Equipment Set	\$ 385.00
95368	Concrete Electrical Resistivity Meter	\$ 176.00
95369	Field Hardness (Steel)	\$ 110.00
95370	Coating Thickness Gauge	\$ 110.00
95373	Wood Curing Box (One-Time Fee/Per Box)	\$ 650.00
95371	Temperature Control Curing Box (Per Month)	\$ 500.00
95372	Temperature Matching Curing Box (Per Month)	\$ 570.00

Task Code	Specimen Pick-Up	Rate
20102	Standard Sample: Concrete Cylinders (Each)	\$ 30.00
20101	Standard Sample: Mortar/GROUT Cubes and Cores, Fireproofing, Rebar, and Epoxy Prisms (Each)	\$ 30.00
20103	Oversize Sample: Masonry Prisms and Shotcrete Panels (Each)	\$ 80.00
20104	Oversize Sample: Flexural Beams (Each)	\$ 80.00
20107	Technician for Specimen Pick-Up Not Listed Above (Per Hour, 2-Hour Minimum)	\$ 110.00
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)	\$ 165.00

Task Code	Jobsite Trailer, Mobile or On-site Laboratory	Rate
95360	Mobile Laboratory for Rapid Strength Concrete (Per Shift Not Exceeding 12 Hours) All Others by Quotation	\$ 600.00

Task Code	Concrete Tests (Field Made Specimens)	Rate
20201	6" x 12" Cylinder Compression Strength (ASTM C39)	\$ 42.00
20202	4" x 8" Cylinder Compression Strength (ASTM C39)	\$ 37.00
20203	Density of Structural Lightweight Concrete Equilibrium Oven Dry Method (ASTM C567)	\$ 90.00
20205	Core Compression including Trimming (ASTM C42)	\$ 80.00
20207	6" x 6" x 18" Flexural Beams Not Exceeding Reference Size (ASTM C78, C293 or OTM 523)	\$ 110.00
20209	Splitting Tensile Strength (ASTM C496)	\$ 100.00
20211	Modulus of Elasticity Test (ASTM C469)	\$ 300.00
80003	Rapid Chloride Permeability Test: Cylinders or Cores (ASTM C1202)	\$ 550.00
80006	Density, Absorption, and Voids in Hardened Concrete (ASTM C642)	\$ 550.00
40005	Flexural Toughness (ASTM C1609, Formerly ASTM C1018)	\$ 850.00
40007	Flexural Toughness (ASTM C1550)	\$ 500.00
40006	Double Punch Strength of Fiber Reinforced Concrete	\$ 550.00
40009	Coefficient of Thermal Expansion of Concrete (CRD 39, AASHTO T339)	\$ 600.00
40012	Bulk Electrical Resistivity (ASTM C1876)	\$ 150.00

Task Code	Concrete Specimen Preparation	Rate
20151	Sawing of Specimens (Each)	\$ 45.00
20157	Coring of Specimens in Lab (Each)	\$ 45.00
20159	Grinding of Concrete Below 6000 psi Strength (Each)	\$ 65.00
20160	Grinding of Concrete 6000 psi Strength and Above (Each)	\$ 95.00

Task Code	Laboratory Trial Batch: Concrete, Cement and Mortar	Rate
30216	Compression Test 4"x8" Cylinders Made and Tested in Laboratory (ASTM C192, C35)	\$ 55.00
30217	Compression Test 6"x12" Cylinders Made and Tested in Laboratory (ASTM C192, C35)	\$ 65.00



Task Code	Laboratory Trial Batch: Concrete, Cement and Mortar. Continued	Rate
30219	6" x 6" x 18" Flexural Beams Made and Tested in Laboratory (ASTM C192, C78)	\$ 125.00
30223	Splitting Tensile Strength Cylinders Made and Tested in Laboratory (ASTM C192, C496)	\$ 125.00
30225	Modulus of Elasticity Test Cylinders Made and Tested in Laboratory (ASTM C192, C469)	\$ 315.00
30227	Density of Structural Lightweight Concrete Made in the Laboratory, Equilibrium or Oven Dry Method (ASTM C567)	\$ 110.00
30237	Bulk Electrical Resistivity (ASTM C1876)	\$ 165.00
30201	Laboratory Trial Batch (ASTM C192/Lab Procedure Performance)	\$ 525.00
30203	Concrete Mixture Design for Preconstruction Evaluation and Backup Data Development	\$ 300.00
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)	\$ 500.00
30230	Additional Reading, Per Set of Three Bars	\$ 50.00
30231	Storage over Ninety (90) Days, Per Set of Three Bars, Per Month	\$ 40.00
30207	Setting Time Up to 7 Hours (ASTM C403)	\$ 180.00
30209	Bleeding (ASTM C232)	\$ 150.00
30229	Concrete Restrained Expansion (ASTM C878)	\$ 650.00
20263	Non-Shrink Grout: Height Change after Final Set (ASTM C1090)	\$ 550.00
20265	Non-Shrink Grout: Height Change at Early Age (ASTM C827)	\$ 800.00
30232	Cracking Resistance, Set of Three Rings, Laboratory Trial Batching, Test Until Cracking or Up to 28 Days (ASTM 1581)	\$ 5,750.00
30233	Evaluation of Pre-Packaged Masonry Mortars (ASTM C270)	\$ 1,200.00
30234	Creep (ASTM C512) (One Age of Loading, 12 Months Duration of Testing)	\$ 8,000.00
Task Code	Chemical Analysis and Petrographic Examination of Concrete	Rate
80123	Chemical Analysis for Acid Soluble Chlorides (ASTM C1152) (includes sample prep)	\$ 125.00
80126	Chemical Analysis for Water Soluble Chlorides (ASTM C1218) (includes sample prep)	\$ 150.00
80193	Chloride Diffusion Coefficient of Cementitious Mixtures by Bulk Diffusion (ASTM C1556)	\$ 2,600.00
80129	Petrographic Examination of Hardened Concrete, Level II (ASTM 856) (Comprehensive)	
	Each, One Sample	\$ 2,400.00
	Each, Two or More Samples	\$ 2,100.00
Task Code	Physical and Chemical Analysis of Cement	Rate
80195	Physical Testing and Chemical Analysis of Portland Cement per Standard Requirements (ASTM C150)	\$ 1,350.00
80100	Chemical Analysis of Portland Cement per Standard Requirements (ASTM C150)	\$ 700.00
80103	Physical Testing of Portland Cement per Standard Requirements (ASTM C150)	\$ 700.00
80194	Physical Testing of Type K Cement, Mortar Expansion (ASTM C806)	\$ 700.00
80106	Partial Analysis or Specific Physical Tests	Quotation
80110	Sulfates Resistance of Hydraulic Cement (ASTM C1012), 6 Months	\$ 2,700.00
80111	Sulfates Resistance of Hydraulic Cement (ASTM C1012), 12 months	\$ 3,000.00
Task Code	Physical and Chemical Analysis of Fly Ash	Rate
80140	Chemical Analysis of Fly Ash per Standard Requirements (ASTM C618)	\$ 700.00
80143	Physical Testing of Fly Ash per Standard Requirements (ASTM C618)	\$ 700.00
80146	Partial Analysis or Specific Physical Tests	Quotation
80147	Chemical Analysis and Physical Testing of Fly Ash per Standard Requirements (ASTM C618)	\$ 1,350.00
80149	Type 1L Cement (ASTM C595; Excludes Special Properties)	\$ 1,350.00
Task Code	Physical Testing of Chemical Admixtures for Concrete	Rate
80196	Qualification of Admixture (ASTM C494)	Quotation
Task Code	Soils and Aggregate Tests	Rate
30503	Abrasion: LA Rattler (ASTM C131)	\$ 200.00
30505	Abrasion: LA Rattler (ASTM C535)	\$ 210.00
70301	Atterberg Limits/Plasticity Index (ASTM D4318, CTM 204)	\$ 160.00
70303	California Bearing Ratio Excluding Maximum Density (ASTM D1883): Soil	\$ 550.00
70304	California Bearing Ratio Excluding Maximum Density (ASTM D1883): Cement-Treated Soil	\$ 650.00
70344	Cement-Treated Soil/Base Mix Design: Includes Three Trial Cement Contents with Three Unconfined Compressive Strength Specimens per Cement Content	\$ 3,500.00
70305	Chloride and Sulfate Content (CTM 417, CTM 422)	\$ 175.00
30403	Clay Lumps and Friable Particles (ASTM C142)	\$ 200.00
30321	Cleaness Value: 1" x #4 (CTM 227)	\$ 175.00
30322	Cleaness Value: 1.5" x .75" (CTM 227)	\$ 275.00
70393	Collapse Potential/Index (ASTM D5333)	\$ 225.00

Task Code	Soils and Aggregate Tests. Continued	Rate
70396	Compressive Strength of Molded Soil-Cement Cylinders (ASTM D1633)	\$ 105.00
70309	Consolidation Test: Full Cycle (ASTM 2435, CTM 219)	\$ 195.00
70311	Consolidation Test: Time Rate per Load Increment (ASTM D2435, CTM 219)	\$ 45.00
70313	Corrosivity Series: Sulfate, Cl, pH, Resistivity (CTM 643, 417, and 422)	\$ 245.00
70315	Crushed/Fractured Particles (ASTM D5821, CTM 205)	\$ 175.00
70317	Direct Shear Test: Remolded and/or Residual (ASTM D3080)	\$ 245.00
70319	Direct Shear Test: Undisturbed - Slow [CD] (ASTM D3080)	\$ 225.00
70321	Direct Shear Test: Undisturbed - Fast [CU] (ASTM D3080)	\$ 195.00
70378	Durability Index: Per Method - A,B,C, or D (ASTM D3744, CTM 229)	\$ 210.00
70325	Expansion Index (ASTM D4829, UBC 18-2)	\$ 170.00
75004	Fine Aggregate Angularity (ASTM C1252, CTM 234, AASHTO T304)	\$ 190.00
30507	Flat and Elongated Particle (ASTM D4791)	\$ 240.00
30508	Flat or Elongated Particle (ASTM D4791)	\$ 210.00
70331	Maximum Density: Methods A/B/C (ASTM D1557, D698, CTM 216)	\$ 190.00
70333	Maximum Density: Check Point (ASTM D1557, D698)	\$ 65.00
70335	Maximum Density: AASHTO C [Modified] (AASHTO T-180)	\$ 195.00
70336	Maximum Index Density: Vibratory Table (ASTM D4253)	\$ 345.00
70337	Moisture Content (ASTM D2216, CTM 226)	\$ 25.00
70339	Moisture and Density: Ring Sample (ASTM D2937)	\$ 30.00
70341	Moisture and Density: Shelby Tube Sample (ASTM D2937)	\$ 40.00
70340	Moisture-Density Relations of Soil-Cement Mixtures Premixed in the Field (ASTM D558)	\$ 275.00
70342	Moisture-Density Relations of Soil-Cement Mixtures Mixed in the Lab (ASTM D558)	\$ 350.00
30401	Organic Impurities (ASTM C40, CTM 213)	\$ 90.00
70343	Permeability (ASTM D5084)	Quotation
80001	Potential Reactivity: Chemical Method (ASTM C289 - Discontinued Method)	\$ 650.00
70394	Potential Reactivity: Mortar Bar Expansion Method, 14-Day Exposure (ASTM C1260)	\$ 900.00
70391	Potential Reactivity: Mortar Bar Expansion Method, 28-Day Exposure (ASTM C1260)	\$ 950.00
70398	Potential Reactivity: Concrete Bar Expansion Method (ASTM C1293), 12 month	\$ 2,700.00
70399	Potential Reactivity: Concrete Bar Expansion Method (ASTM C1293), 24 month	\$ 2,900.00
70397	Potential Reactivity of Aggregate Combination, Non-Standard Method; 14-Day Exposure, Mortar (After ASTM C1567)	\$ 1,050.00
70392	Potential Reactivity of Aggregate Combination, Non-Standard Method; 28-Day Exposure, Mortar (After ASTM C1567)	\$ 1,100.00
70345	R-Value: Soil (ASTM 2844, CTM 301)	\$ 440.00
70347	R-Value: Aggregate Base (ASTM D2844, CTM 301)	\$ 490.00
70349	Sand Equivalent (ASTM D2419, CTM 217)	\$ 125.00
70351	Sieve #200 Wash Only (ASTM D1140, CTM 202)	\$ 90.00
70353	Sieve with Hydrometer: 3/4" Gravel to Clay (ASTM D422, D7928, CTM 203)	\$ 250.00
70355	Sieve with Hydrometer: Sand to Clay (ASTM D422, D7928, CTM 203)	\$ 240.00
70357	Sieve Analysis Including Wash (ASTM C136, CTM 202)	\$ 150.00
70359	Sieve Analysis Without Wash (ASTM C136, CTM 202)	\$ 120.00
70360	Sieve Analysis: Split Sieve (ASTM C136, CTM 202)	\$ 240.00
70361	Sieve Analysis Without Wash: With Cobbles (ASTM C136, CTM 202)	\$ 235.00
70363	Soundness: Sodium or Magnesium Sulfate, 5 Cycles (ASTM C88)	\$ 450.00
70365	Specific Gravity and Absorption: Coarse (ASTM C127, CTM 206)	\$ 100.00
70367	Specific Gravity and Absorption: Fine (ASTM C128, CTM 207)	\$ 165.00
70369	Swell/Settlement Potential: One Dimensional (ASTM D4546)	\$ 150.00
70371	Triaxial	Quotation
70373	Unconfined Compression (ASTM D2166, CTM 221)	\$ 190.00
30317	Unit Weight Per Cubic Foot (ASTM C29, CTM 212)	\$ 125.00
30319	Void in Aggregate with Known Specific Gravity (ASTM C29, CTM 212)	\$ 125.00
30411	Lightweight Particles: Coarse, with Two Solutions (ASTM C123)	\$ 450.00
30412	Lightweight Particles: Fine, with One Solution (ASTM C123)	\$ 225.00
Task Code	Asphalt Concrete Tests	Rate
75031	HMA Mixing and Preparation	\$ 129.00
75032	HMA Mixing and Preparation with Aggregate Treatment	\$ 181.00
75033	Bulk Specific Gravity of Compacted Sample or Core: SSD (ASTM D2726, CTM 308C)	\$ 57.00
75036	Bulk Specific Gravity of Compacted Sample or Core: Paraffin Coated (ASTM D1188 and CTM 308A)	\$ 83.00
75040	Emulsion Residue, Evaporation (ASTM D244)	\$ 165.00
75024	Extraction: % Bitumen (ASTM D6307, CTM 382)	\$ 165.00
75027	Extraction: % Bitumen and Gradation (ASTM D5444, D6307, CTM 202, 382)	\$ 222.00
75028	Extraction: % Bitumen, Correction Factor (ASTM D6307, CTM 382)	\$ 361.00



Task Code	Asphalt Concrete Tests, Continued	Rate
75030	Chemical Extraction: % Bitumen and Sieve Analysis (ASTM D2172 Method A or B, ASTM D5444)	\$ 253.00
75042	Lab Tested Maximum Density: Hveem, 3 briquettes (ASTM D1561, D1188, CTM 304, 308)	\$ 222.00
75057	Hveem Stabilometer Test, Premixed, 3 briquettes (ASTM D1560, D1561, CTM 304, 366)	\$ 222.00
75048	Lab Tested Maximum Density: Marshall, 3 Briquettes (ASTM D6926, D2726)	\$ 217.00
75049	Lab Tested Maximum Density: Marshall 6" Specimen, 3 Briquettes (ASTM D5581, D2726)	\$ 222.00
75050	Lab Tested Maximum Density: Superpave Gyrotory Compacted Briquette, SSD, 1 Briquette (ASTM D6925, D2726)	\$ 83.00
75052	Lab Tested Maximum Density: Superpave Gyrotory Compacted Briquette, Parafin, 1 Briquette (ASTM D1188, D6925)	\$ 93.00
75051	Maximum Theoretical Specific Gravity [RICE] (ASTM D2041, CTM 309)	\$ 165.00
75066	Marshall Stability and Flow, Cored Sample, Each (ASTM D6927)	\$ 83.00
75069	Marshall Stability and Flow, Premixed, 3 Briquettes (ASTM D6926, D6927)	\$ 237.00
75106	Marshall Stability and Flow, Gyrotory Compacted Specimen Pre-Mixed, 3 Briquettes (ASTM D5581, D6925)	\$ 237.00
75107	Marshall Stability and Flow 6" Specimen, Premixed, 3 Briquettes (ASTM D5581)	\$ 237.00
75063	Moisture Content (CTM 370)	\$ 88.00
75005	Wet Track Abrasion Test (ASTM D3910)	\$ 170.00
75093	Hveem Mix Design (Excluding Aggregate Quality Tests)	\$ 5,356.00
75096	Hveem Mix Design, with RAP (Excluding Aggregate Quality Tests, RAP Qualification)	\$ 5,815.00
75099	Hveem Mix Design, with Lime (Excluding Aggregate Quality Tests)	\$ 9,180.00
75094	Hveem Mix Design Caltrans Untreated Mix (Including Aggregate Quality Tests)	\$ 6,386.00
75095	Hveem Mix Design Caltrans Lime Treated Mix (Including Aggregate Quality Tests)	\$ 7,416.00
75084	Marshall Mix Design (Excluding Aggregate Quality Tests)	\$ 5,356.00
75087	Marshall Mix Design with RAP (Excluding Aggregate Quality Tests)	\$ 5,815.00
75090	Marshall Mix Design with Lime (Excluding Aggregate Quality Tests)	\$ 6,386.00
75083	Open Grade Asphalt Concrete Mix Design (ASTM D7064, CTM 368)	\$ 3,090.00
75109	Superpave Mix Design (Excluding Aggregate Quality Tests)	\$ 10,918.00
75113	Superpave Mix Design, with RAP (Excluding Aggregate Quality Tests)	\$ 11,536.00
75114	Superpave Mix Design, with Rubber (Excluding Aggregate Quality Tests)	\$ 11,536.00
75115	Superpave Mix Design, with Additives (Excluding Aggregate Quality Tests)	\$ 11,845.00
75075	Effect of Moisture on Asphalt Paving Mixtures, Pre-Mixed (ASTM D4867, AASHTO T283)	\$ 1,030.00
75111	Hamburg Wheel Track Test, 20,000 Passes, 4 Briquettes (AASHTO T324)	\$ 1,133.00
75039	Raveling Test of Cold Mixed Emulsified Asphalt (ASTM D7196)	\$ 205.00
75067	Marshall Stability, Wet Set, 3 Replicates (AASHTO T245)	\$ 361.00
75068	Marshall Stability, Dry Set, 3 Replicates (AASHTO T245)	\$ 309.00
75070	Cold Recycled Asphalt Mix Design: 2 Gradings Each, 3 Emulsion Content (Caltrans LP-8)	\$ 10,815.00
Task Code	Brick Masonry Tests, ASTM C67	Rate
20301	Modulus of Rupture: Flexural	\$ 100.00
20303	Compression Strength	\$ 65.00
20305	Absorption: 5 Hour or 24 Hour	\$ 70.00
20307	Absorption (Boil): 1, 2 or 5 Hours	\$ 100.00
20309	Initial Rate of Absorption	\$ 60.00
20311	Efflorescence	\$ 80.00
20313	Cores: Compression	\$ 75.00
20315	Shear Test on Brick Cores: 2 Faces	\$ 100.00
Task Code	Concrete Block, ASTM C140	Rate
20321	Compression	\$ 90.00
20323	Absorption/Moisture Content/Oven Dry Density	\$ 90.00
20327	Linear Shrinkage (ASTM C426)	\$ 250.00
20335	Web and Face Shell Measurements	\$ 50.00
20329	Tension Test	\$ 160.00
20331	Core Compression	\$ 80.00
20333	Shear Test of Masonry Cores: 2 Faces	\$ 95.00
20339	Efflorescence Tests	\$ 75.00
Task Code	Masonry Prisms, ASTM C1314	Rate
20341	Compression Test: Composite Masonry Prisms Up to 8" x 16"	\$ 195.00
20343	Compression Test: Composite Masonry Prisms Up to 8" x 16"	\$ 260.00
20346	Prism Cord Modulus of Elasticity	\$ 600.00
20347	Prism Cord Modulus of Elasticity with Transverse Strain (for Double-Wythe Specimen)	\$ 685.00

Task Code	Mortar and Grout	Rate
20351	Compression: 2" x 4" Mortar Cylinders (ASTM C780)	\$ 57.00
20353	Compression: 3" x 3" x 6" Grout Prisms, Includes Trimming (ASTM C1019)	\$ 42.00
20355	Compression: 2" Cubes (ASTM C109)	\$ 57.00
20357	Compression: Cores Includes Trimming (ASTM C42)	\$ 77.00
Task Code	Masonry Specimen Preparation	Rate
20155	Cutting of Cubes or Prisms	\$ 80.00
Task Code	Fireproofing Tests	Rate
20401	Oven Dry Density (ASTM E605)	\$ 72.00
Task Code	Gunit and Shotcrete Tests	Rate
20361	Core Compression Including Trimming (ASTM C42)	\$ 80.00
20365	Compression: Cubes (Includes Saw Cutting)	\$ 98.00
Task Code	Concrete Roof Fill: Gypsum, Vermiculite, Perlite, Lightweight Insulating Concrete, Etc.	Rate
20371	Compression Test (ASTM C495 and C472)	\$ 70.00
20373	Air Dry Density (ASTM C472)	\$ 55.00
20379	Oven Dry Density (ASTM C495)	\$ 80.00
Task Code	Reinforcing Steel, ASTM A615, A706	Rate
20501	Tensile Test: # 11 or Smaller	\$ 70.00
20503	Bend Test: # 11 or Smaller	\$ 65.00
20504	Bend Test #14 or #18	\$ 385.00
20505	Tensile Test: # 14	\$ 270.00
20507	Tensile Test: # 18	\$ 370.00
Task Code	Reinforcing Steel - Welded or Coupled Specimens	Rate
20521	Tensile Test: Welded/Coupled #11 and Smaller	\$ 80.00
20523	Tensile Test: Welded/Coupled #14	\$ 280.00
20525	Tensile Test: Welded/Coupled #18	\$ 395.00
20529	Weld: Macroetch	\$ 90.00
20531	Slippage Test - Caltrans (CTM 670)	\$ 200.00
20532	Tensile Test: Welded Hoops #11 and Smaller	\$ 150.00
Task Code	Metal and Steel Testing	Rate
20601	Tensile Strength: Up to 100K Pounds (Each)	\$ 75.00
20603	Tensile Strength: Up to 200K Pounds (Each)	\$ 85.00
20605	Tensile Strength: Up to 300K Pounds (Each)	\$ 110.00
20607	Tensile Strength: Up to 400K Pounds (Each)	\$ 160.00
20609	Tensile Strength: 400K to 600K Pounds (Each)	\$ 385.00
20611	Tensile Strength: Stress-Strain Percent Offset	\$ 225.00
20545	Weld: Macroetch	\$ 90.00
20547	Weld: Fracture	\$ 45.00
20615	Bend Test	\$ 70.00
20617	Flattening Test	\$ 70.00
20619	Hardness Test (ASTM E18)	\$ 80.00
20630	Bolt: Axial Tensile Test (Up to 7/8" diameter)	\$ 65.00
20631	Bolt: Wedge Tensile Test (Up to 7/8" diameter)	\$ 80.00
20632	Bolt: Axial Tensile Test (Greater than 7/8" Up to 1" diameter)	\$ 85.00
20633	Bolt: Wedge Tensile Test (Greater than 7/8" Up to 1" diameter)	\$ 105.00
20634	Bolt: Axial Tensile Test (Greater than 1" diameter)	\$ 125.00
20635	Bolt: Wedge Tensile Test (Greater than 1" diameter)	\$ 135.00
20636	Bolt: Proof Load Test (Up to 7/8")	\$ 90.00
20637	Bolt: Proof Load Test (Greater than 7/8" Up to 1" diameter)	\$ 110.00
20638	Bolt: Proof Load Test (Greater than 1")	\$ 130.00
20639	Nut: Proof Load Test (Up to 7/8")	\$ 70.00
20640	Nut: Proof Load Test (Greater than 7/8" Up to 1" diameter)	\$ 90.00
20641	Nut: Proof Load Test (Greater than 1")	\$ 100.00
Task Code	Chemical Testing of Metal and Steel	Rate
80170	Steel Chemical Analysis	Quotation
80173	Weight of Galvanized Coating (ASTM A90)	\$ 85.00
80176	Epoxy Coating Thickness	\$ 95.00
80177	Coating Thickness	\$ 90.00
Task Code	Machining and Preparation of Tensile and Bend Sample: Carbon Steel	Rate
20751	Machinist: Initial Preparation from Mock-Up, Etc. (Per Hour)	\$ 125.00
20753	Sawcut to Overall Width (Per 0.5" Thickness or Fraction Thereof)	\$ 60.00
20755	Machine to Test Configuration: Milled Specimens	\$ 85.00
20757	Machine to Test Configuration: Turned Specimens (Per 0.5" Thickness or Fraction Thereof)	\$ 155.00
20759	Prepare Subsize Specimens (Per 0.5" Thickness or Fraction Thereof)	\$ 105.00



Task Code	Charpy Impact	Rate
20621	Charpy Impact Ambient Temperature	\$ 95.00
20623	Charpy Impact Reduced Temperature	\$ 125.00

Task Code	Machining of Charpy Samples: Carbon Steel	Rate
20780	Cutting and Milling (Per 0.5" or Fraction Thereof)	\$ 85.00
20783	Final Machining to Sample Configuration	\$ 105.00

Task Code	Prestressing Wires and Tendons. (ASTM A416)	Rate
20701	Stress-Strain Analysis: Wire or Strands (Including Chart and Percent Offset)	\$ 240.00
20703	Tensile Test Only	\$ 180.00
20705	Tendons	Quotation

Task Code	Polymer Matrix Composite Materials (Fiberwrap)	Rate
20706	Tensile Strength – Set of 5 Specimens/Batch/Direction (ASTM D3039)	\$ 1,350.00
20707	Tensile Strength – Additional Specimens (ASTM D3039) (ASTM D3039)	\$ 250.00
20708	Heating Chamber Time – Per 24 hr period	\$ 95.00

Task Code	Calibration Services and Universal Machine Usage	Rate
20801	Calibration/Verification Services	Quotation
20803	Universal Test Machine Usage (Per Hour)	\$ 450.00

Ceramic Tile Testing Division

The Ceramic Tile Institute of America (CTIOA) and Twining worked together to advance and develop technology designed to enhance the quality of materials and workmanship in the ceramic tile industry. A separate schedule of fees for these services is available upon request.

Cyclic and Fatigue Testing Programs on Special Products/Parts	Quotation
Engineering and Technical supports/Design of Prototypes and Special Test Set-Up	Quotation
Fastener/Coupling Full Testing Program Per New Regulations: Tension, Tension/Bend, Shear, Double Shear, 8 Compressions	Quotation
Fiberglass/Composite Materials Field Testing Program (ASTM D1143 D1242, D2584, D4065, D4476, D4923, D7901, D7921, and D732)	Quotation
Field Testing of Structures and Structural Elements	Quotation
In-Place Shear Testing	Quotation
Materials and/or Product Evaluation Per Specifications	Quotation
Structural Dynamic Testing and Durability Analysis	Quotation

General Conditions

- NOTE: Field inspection work conditions are established by contract with Operating Engineers, Local 12.
- NOTE: A minimum of 24 hours notice is required for testing and inspection services.
- NOTE: For projects subject to a Project Labor Agreement (PLA), if the terms and conditions of the PLA are more restrictive than those listed below, PLA terms and conditions will apply.
- NOTE: Rates will be adjusted annually each July 1st to reflect increased costs.

Administrative Fees

All administrative fees, except as noted below, including report distribution and Twining ConstructionHive system are billed at the following percentage of the monthly invoice total: 4%

Note that hard copies of reports will be sent only to governing jurisdictions that mandate them. All other parties will receive reports electronically. The administrative fee above will receive reports electronically. The administrative fee above will be increased by 1% if additional hard copies of reports are requested. Submittal of project specific forms or resumes will be billed hourly at the Administrative Support Rate.

Minimum Charges (Inspection and Technician Personnel Only - Other Personnel Charged on Portal to Portal Basis)

- 2-Hour Minimum: Inspector arrives at jobsite, no work to perform.
- 4-Hour Minimum: 1 to 4 hours of inspection
- 8-Hour Minimum: Over 4 to 8 hours of inspection

Regular Time (All Types of Inspection and also All Non-Exempt Employees)

The first 8 hours worked Monday through Friday between 5:00 a.m. and 5:00 p.m. except as noted otherwise below.

Time and One-Half (All Types of Inspection and also All Non-Exempt Employees)

All shifts will be billed based on the time and date of their start. Any increment past 8 hours through 12 hours worked Monday through Friday and the first 12 hours on Saturday. Time and one-half will also be charged for the first four hours before 5:00 a.m. and after 5:00 p.m.

Double Time (All Types of Inspection and also All Non-Exempt Employees)

All shifts will be billed based on the time and date of their start. After the first 12 hours worked Monday through Saturday, all day Sunday, and holidays. After the first four hours worked before 5:00 a.m. and after 5:00 p.m. Holidays are New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving, the day after Thanksgiving, and Christmas Day.

Meal Period

When personnel are required by their duties to work more than five consecutive hours without a one-half hour uninterrupted meal period, one half hour at double time rate will be charged in addition to any applicable overtime for actual hours worked.

Shift Differential (Applies to Regularly Scheduled Shifts Only)

A \$1.00 per hour shift differential premium will be charged for all inspection hours that fall outside of the 5:00 a.m. to 5:00 p.m. time period. Twining will require 48-hour notice along with the General Contractors approved shift letter prior to beginning a shift that will include hours falling outside this time period. Should this notice not be provided, all work performed on that shift will be billed at the applicable overtime or double time rate.

If three shifts per day are required, the first shift will be billed at the standard rate. The second shift shall be billed in accordance with the previous paragraph. The third shift shall be billed at 8 hours for the first 6 1/2 hours worked and appropriate overtime or double time for all hours thereafter.

Travel Time and Mileage

For projects outside a 50-mile radius from the nearest Twining facility, per excess mile to and from the project will be charged for inspectors and technicians. Other than small tools, whenever project related equipment is required to be transported to and from the project site, time and mileage for inspectors and field technicians will be billed on a portal to portal basis. For all projects, current IRS mileage rate per mile and applicable travel time will be charged portal to portal for engineers, consultants, supervisors, and laboratory technicians from the laboratory to the project site and return.

For work locations located 100 miles or more from Twining, travel time will be charged at the relevant rate for inspectors and technicians in addition to a subsistence allowance as detailed below.

Weekend Sample Pick-Ups

In order to be in strict conformance with testing standards, it may be required that weekend pick-ups be performed (e.g. concrete specimens cast on Friday must be picked up on weekend in order to be in conformance with ASTM C31 requiring specimens to be moved to their final curing location within 48 hours of casting.) Applicable charges for weekend work will apply when this is required. Should these charges not be authorized, Twining will not be liable for any negative consequences.

Reimbursable Expenses

Parking, air fare, car rental, food, lodging and project specific software/applications (e.g. PlanGrid, Procure, etc.) will be charged at cost plus 20% per processed invoice, unless provided by client.



General Conditions, Continued

Project Specific Documents

Costs presented assume that client will provide project specific documents (plans, specifications, submittals, RFIs, etc.) for all inspection personnel. Should project specific documents be provided electronically through a "for fee" service, the client will be responsible for providing access and paying any fees for the service.

Project Site Facilities

Prices quoted assume that initial curing facilities for test samples that comply with relevant test standards and project requirements are provided by others. In addition, prices quoted assume that work/desk space for inspection staff are provided by others. Additional costs, provided by quotation, will apply should Twining be required to provide such facilities.

Subsistence

Subsistence on remote jobs will be charged per quotation.

Laboratory Testing Hours and Expedited Testing

Please note that laboratory testing will be billed on an hourly basis for non-standard tests. If testing is required to be performed on Saturdays, Sundays, holidays, or before 5:30 a.m. or after 4:00 p.m. on weekdays, an additional hourly charge, at the applicable regular, overtime or doubletime rate, with a minimum of one hour will be applied for the laboratory technician. For rush testing a 50% surcharge in addition to the regular test rate will apply.

Charges for Subcontracted Services

Material sent to outside laboratory for testing:	Cost plus 20%
Material sent to outside fabricator or machine shop:	Cost plus 20%
Glu-Lam beam inspection:	Cost plus 20%
Other subcontractors:	Cost plus 20%
Project exclusive equipment purchase:	Cost plus 20%

Limit of Liability

Client agrees to limit Twining's aggregate liability to all entities for alleged or actual errors and omissions in the performance of its professional services under this agreement to \$50,000.00 or the fees actually paid to Twining, whichever amount is greater. Higher limits may be available by quotation.

Certified Payroll

Certified payroll will be provided, upon request, at an additional charge of \$150.00/month. Fee applies to every month that certified payroll must be submitted regardless of whether or not services were provided for any given month.

Final Reports Required by Jurisdiction

If a final report or affidavit is required, we must first review all inspection and testing reports and clear up any unresolved issues on these reports. These issues will typically require approval by the engineer or architect of record. This process can take several weeks or just a day, depending on the number and complexity of the issues. Cost for final reports will be billed hourly.

Terms of Payment

Fees charged are for professional and technical services and are due upon presentation. If not paid within 30 days from date of invoice, they are considered past due and the maximum legal finance charge will be added to the unpaid balance.

In addition, should the client require that invoices be submitted through a web based or electronic system, the client will be responsible for all costs associated with the use of the system.

A 3% fee will be applied for payments processed by credit card.

All invoice errors or necessary corrections shall be brought to the attention of Twining within 15 days of receipt of invoice. Thereafter, customer acknowledges invoices are correct and valid. Twining reserves the right to terminate its services to a customer without notice if all invoices are not current. Upon such termination of services, the entire amount accrued for all services performed shall immediately become due and payable. Customer waives any and all claims against Twining, its subsidiaries, affiliates, servants, and agents for termination of work on account of these terms.

In the event of any litigation arising from or related to any agreement to provide services whether verbal or written, the prevailing party shall be entitled to recover from the non-prevailing party all reasonable costs incurred, including staff time, court costs, attorney's fees and all other related expenses in such litigation. Additionally, in the event of a non-adjudicative settlement of litigation between the parties or a resolution of dispute by arbitration, that same process shall determine the prevailing party.

Hold Specimens

All "hold" specimens are charged at the applicable test rate whether tested or not.

Specimen Sampling and Disposal

Twining samples materials used in construction in accordance with standard practices, methods, codes, and relevant project requirements. Representativeness of sampling and same accuracy of testing are subject to the same probabilistic and precision limitations as governing standards, codes and project technical provisions.

Should samples be provided by others Twining cannot warrant or guarantee that material is representative of material that is or will be used in actual construction of the project.

Specimens will be discarded after testing unless Twining has been notified prior to testing that the customer wishes to retrieve the specimens or storage arrangements are made. Costs for storage will be by quotation.

Oversize Specimens

An extra charge will be made when test specimens require more than one person to handle because of size or weight.

Elevated Work Platforms

In the event an elevated work platform is required to safely complete our work, the client must provide safe access for Twining personnel for all required inspection, testing, sampling, etc. including a trained and certified operator or qualified inspector as applicable. Twining will not be responsible for signing waivers associated with providing such access. Should Twining be required to supply an elevated work platform, we will contract with a qualified vendor and the markups shown above will apply.



STANDARD RATE SCHEDULE

Effective January 2023

PROFESSIONAL STAFF

Hourly

Principal	\$185
Director	\$175
Senior Project Manager	\$165
Project Manager	\$160
Senior Principal Engineer	\$175
Senior Scientist/Engineer	\$165
Scientist/Engineer	\$150
Staff Scientist/Engineer	\$140
Senior Planner	\$125
Associate Planner	\$120
Planner/Environmental Analyst	\$110
Senior Biologist II	\$130
Senior Biologist I	\$125
Staff Biologist II	\$120
Staff Biologist I	\$110
Associate Biologist	\$100
Cultural Specialist	\$135
Archaeologist	\$120
Cultural Monitor	\$85
Senior GIS Analyst	\$110
GIS Technician	\$100
Word Processor	\$75
Intern	\$50

Building Services

Field Management	\$145
ACM Air Monitor/Lead Inspector/Sampling	\$88

Note: ACM/LBP Removal quoted per job basis

FIELD EQUIPMENT

Daily Weekly

Excavation Screen	\$5	\$20
Field Supplies (shovels, health and safety, flagging, binoculars, etc.)	\$15	\$60
Garmin GPS (non-Trimble)	\$5	\$20
iPad Data Tablet	\$25	\$100
Kestrel Anemometer (or equivalent)	\$5	\$20
Photoionization detector (PID) or equivalent	\$100	\$400
Quest SoundPro SP-DL-1-1/3 Sound Level Meter (or equivalent)	\$110	\$440
RKI GX-2003 Multi-Gas Meter (or equivalent)	\$65	\$260
Trimble Geo7x GPS Unit with Rangefinder (or equivalent)	\$120	\$560
XRF Analyzer	\$95	\$380

Consultant support (printing, reproduction and other direct expenses) will be billed at a rate of cost plus ten (10) percent. Automobile mileage will be charged at IRS standard rates. Travel time will be billed as indicated in the hourly rate schedule above.

Invoices will be submitted monthly for work in progress and at completion of contract obligations, and are payable upon receipt. Fees not paid within thirty (30) days of invoice date may be assessed an interest charge of one and one-half (1.5) percent per month, from the date due (net 30). Attorney fees and court costs incurred for collection of delinquent accounts will be borne by the client.



Engineer/Scientist

	<u>Rate/Hour</u>
Principal	\$309
Senior Project Manager	\$296
Project Manager	\$265
Technical Manager	\$239
Task Leader	\$215
Principal Engineer	\$201
Senior Engineer	\$184
Project Engineer	\$172
Staff Engineer	\$152
Assistant Engineer	\$115
Senior Environmental Scientist	\$183
Environmental Scientist	\$140
Environmental Analyst	\$103

Construction Services

Construction Manager	\$206
Senior Construction Inspector	\$152
Construction Inspector	\$143

Field Survey

Licensed Surveyor	\$197
3-Person Survey Crew	\$376
2-Person Survey Crew	\$307

Support Services

Landscape Architect	\$196
GIS Specialist	\$141
Senior Engineering Technician	\$113
Engineering Technician	\$99
CADD Designer	\$94
Project Coordinator	\$131
Administrative Assistant	\$124

General

Direct Expenses	Cost + 10%
Subcontract Services	Cost + 10%
Specialized Computer Applications (per hour)	\$15
Mileage	Current IRS Rate
Field Vehicle – Hourly	\$12/hour
Field Vehicle – Daily	\$80/day
Field Vehicle – Monthly	\$1,500/month
B&W Photocopies (per page)	\$0.10
Color Photocopies (per page)	\$0.50

Rates will be adjusted annually based on the US Department of Labor, Bureau of Labor Statistics, Consumer Price Index for All Urban Consumers.

Rates for field equipment, health and safety equipment, and graphical supplies presented upon request.

Based on CWE maintaining General Liability Insurance for bodily injury and property damage with an aggregate limit of \$2,000,000 per occurrence. In the event the client desires additional coverage, CWE will, upon the client's written request, obtain additional insurance and adjust the above billing rates accordingly.

FICCADENTI WAGGONER and CASTLE
Structural Engineers
FEE SCHEDULE FOR PROFESSIONAL
ENGINEERING SERVICES

Personnel	Hourly Billing Rates
Principal	\$250.00
Senior Project Engineer	\$200.00
Senior Design Manager	\$180.00
Senior Designer	\$170.00
Project Engineer	\$170.00
Project Designer	\$160.00
Design Engineer	\$150.00
Designer	\$150.00
Clerical	\$65.00

Rates effective calendar year 2023

STANDARD HOURLY RATES

Prime Firm:	Gruen Associates	
CLASSIFICATION	HOURLY RATE	
Partner-in-Charge	\$	365.00
Senior Project Manager	\$	275.00
Project Manager	\$	250.00
Director of Planning	\$	235.00
Senior Planner	\$	200.00
Intermediate Planner	\$	160.00
Junior Planner	\$	135.00
Director of Design	\$	320.00
Senior Designer	\$	175.00
Intermediate Designer	\$	150.00
Junior Designer	\$	120.00
Director of Production	\$	306.00
Technical Manager/Job Captain	\$	230.00
Senior Architect	\$	200.00
Project Architect	\$	180.00
Senior Draftsman	\$	190.00
Intermediate Draftsman	\$	145.00
Junior Draftsman	\$	125.00
Director of Construction Admin Phase Services	\$	230.00
On Site Senior Construction Coordinator	\$	280.00
Senior Construction Coordinator	\$	160.00
Intermediate Construction Coordinator	\$	140.00
Junior Construction Coordinator	\$	105.00
Construction Administration File Clerk	\$	95.00
Senior Interior Designer	\$	170.00
Intermediate Interior Designer	\$	150.00
Junior Interior Designer	\$	125.00
Director of Landscape Architecture	\$	225.00
Senior Landscape Architect	\$	135.00
Intermediate Landscape Architect	\$	125.00
Junior Landscape Designer	\$	110.00
Director of BIM	\$	230.00
Senior BIM Technician	\$	220.00
Intermediate BIM Technician	NA	
Junior BIM Technician	NA	
QA/QC Manager	\$	245.00
Senior Administrative Assistant	\$	165.00
Intermediate Administrative Assistant	\$	85.00
Junior Administrative Assistant	\$	70.00



Grants
 Compliance
 Funding Management
 Community Outreach

HOURLY RATE SCHEDULE

Effective through June 30, 2023

Rates are negotiable and can be modified to establish a fee for each assignment based on the specific project's scope when such projects are identified by the City.

Program Director	\$130
Program Manager.....	\$110
Senior Program Coordinator	\$95
Program Coordinator.....	\$85
Program Assistant	\$75

The above fees will be increased each year July 1st automatically by no more than the percentage change of the Los Angeles-Long Beach-Anaheim California Consumer Price Index for All Urban Consumers ("CPI-U") for the preceding twelve-month period as calculated for February by the US Department of Labor and published by the US Bureau of Labor Statistics.

APPENDIX "B"

CONFLICT OF INTEREST DISCLAIMER

The undersigned, _____, declares that
(Print or Type Name)

_____ does have/does not have (cross one out)
(Name of Firm)

interest, ownership or receives or anticipates receiving remuneration of any type from the manufacturer(s), supplier(s), or distributor(s) which may be recommended on the project, as listed below.

<u>Firm</u>	<u>Product</u>	<u>Remuneration</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Signature of President, Secretary, Partner,
Owner or Representative

Date

APPENDIX "C"

**ACKNOWLEDGMENT OF INSURANCE REQUIREMENTS
AND CERTIFICATION OF ABILITY TO
PROVIDE COVERAGES SPECIFIED**

I, _____, the _____
(President; Secretary; Owner or Representative)

of _____, certify that the
(Company Name or Corporation, or Owner)

Insurance Requirements set forth in Article IV of the Proposed Agreement have been read and understood that our insurance company(ies) _____

(Name(s) of insurance company(ies))

is/are able to provide the coverages specified.

Signature of President, Secretary, Partner,
Owner or Representative

Date