

# PROFESSIONAL CONSULTANT SERVICES AGREEMENT

## HILLTOP GEOTECHNICAL, INC.

### Professional On-Call Services Construction Inspection, Testing and Geotechnical Engineering

THIS PROFESSIONAL CONSULTANT SERVICES AGREEMENT ("Agreement") is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2021 ("Effective Date"), by and between the CITY OF RIVERSIDE, a California charter city and municipal corporation ("City"), and HILLTOP GEOTECHNICAL, INC., a California corporation ("Consultant").

1. **Scope of Services.** City agrees to retain and does hereby retain Consultant and Consultant agrees to provide the services more particularly described in Exhibit "A," "Scope of Services" ("Services"), attached hereto and incorporated herein by reference, in conjunction with Professional On-Call Services, Construction Inspection, Testing and Geotechnical Engineering ("Project").

2. **Term.** This Agreement shall be effective on the date first written above and shall remain in effect for three (3) years with the option to extend for an additional 2 year term not to exceed 5 years total based upon acceptable performance by the Consultant, acceptable fees and subject to the same terms and conditions of the Agreement, unless otherwise terminated pursuant to the provisions herein.

3. **Compensation/Payment.** Consultant shall perform the Services under this Agreement for the total sum not to exceed Two Hundred Thousand Dollars (\$200,000) per year and not to exceed Five Hundred Thousand Dollars (\$500,000) total for the initial 3-year term and Four Hundred Thousand (\$400,000) total for any additional term thereafter. The Company's hourly pricing is to remain firm for the initial contract term. Should the option to renew for additional years be exercised, City and Company may negotiate any and all price modifications. Payments shall be made in accordance with City's usual accounting procedures upon receipt and approval of an itemized invoice setting forth the services performed. The invoices shall be delivered to City at the address set forth in Section 4 hereof.

4. **Notices.** Any notices required to be given, hereunder shall be in writing and shall be personally served or given by mail. Any notice given by mail shall be deemed given when deposited in the United States Mail, certified and postage prepaid, addressed to the party to be served as follows:

To City

PRCSD  
City of Riverside  
Attn: Jordan Maus  
6927 Magnolia Ave., 2<sup>nd</sup> Floor  
Riverside, CA 92506

To Consultant

Hilltop Geotechnical, Inc.  
Attn: Michael Carrillo  
786 South Gifford Avenue  
San Bernardino, Ca 92408

5. **Prevailing Wage.** If applicable, Consultant and all subcontractors are required to pay the general prevailing wage rates of per diem wages and overtime and holiday wages determined by the Director of the Department of Industrial Relations under Section 1720 et seq. of the California Labor Code and implemented by Resolution No. 13346 of the City Council of the City of Riverside. The Director's determination is available on-line at [www.dir.ca.gov/dlsr/DPreWageDetermination.htm](http://www.dir.ca.gov/dlsr/DPreWageDetermination.htm) and is referred to and made a part hereof; the wage rates therein ascertained, determined, and specified are referred to and made a part hereof as though fully set forth herein.

6. **Contract Administration.** A designee of the City will be appointed in writing by the City Manager or Department Director to administer this Agreement on behalf of City and shall be referred to herein as Contract Administrator.

7. **Standard of Performance.** While performing the Services, Consultant shall exercise the reasonable professional care and skill customarily exercised by reputable members of Consultant's profession practicing in the Metropolitan Southern California Area, and shall use reasonable diligence and best judgment while exercising its professional skill and expertise.

8. **Personnel.** Consultant shall furnish all personnel necessary to perform the Services and shall be responsible for their performance and compensation. Consultant recognizes that the qualifications and experience of the personnel to be used are vital to professional and timely completion of the Services. The key personnel listed in Exhibit "C" attached hereto and incorporated herein by this reference and assigned to perform portions of the Services shall remain assigned through completion of the Services, unless otherwise mutually agreed by the parties in writing, or caused by hardship or resignation in which case substitutes shall be subject to City approval.

9. **Assignment and Subcontracting.** Neither party shall assign any right, interest, or obligation in or under this Agreement to any other entity without prior written consent of the other party. In any event, no assignment shall be made unless the assignee expressly assumes the obligations of assignor under this Agreement, in a writing satisfactory to the parties. Consultant acknowledges that any assignment may, at the City's sole discretion, require City Manager and/or City Council approval. Consultant shall not subcontract any portion of the work required by this Agreement without prior written approval by the responsible City Contract Administrator. Subcontracts, if any, shall contain a provision making them subject to all provisions stipulated in this Agreement, including without limitation, the insurance obligations set forth in Section 12. The Consultant acknowledges and agrees that the City is an intended beneficiary of any work performed by any subcontractor for purposes of establishing a duty of care between any subcontractor and the City.

10. **Independent Contractor.** In the performance of this Agreement, Consultant, and Consultant's employees, subcontractors and agents, shall act in an independent capacity as independent contractors, and not as officers or employees of the City of Riverside. Consultant acknowledges and agrees that the City has no obligation to pay or withhold state or federal taxes or to provide workers' compensation or unemployment insurance to Consultant, or to Consultant's employees, subcontractors and agents. Consultant, as an independent contractor, shall be responsible for any and all taxes that apply to Consultant as an employer.

## **11. Indemnification.**

**11.1 Design Professional Defined.** For purposes of this Agreement, “Design Professional” includes the following:

- A. An individual licensed as an architect pursuant to Chapter 3 (commencing with Section 5500) of Division 3 of the Business and Professions Code, and a business entity offering architectural services in accordance with that chapter.
- B. An individual licensed as a landscape architect pursuant to Chapter 3.5 (commencing with Section 5615) of Division 3 of the Business and Professions Code, and a business entity offering landscape architectural services in accordance with that chapter.
- C. An individual registered as a professional engineer pursuant to Chapter 7 (commencing with Section 6700) of Division 3 of the Business and Professions Code, and a business entity offering professional engineering services in accordance with that chapter.
- D. An individual licensed as a professional land surveyor pursuant to Chapter 15 (commencing with Section 8700) of Division 3 of the Business and Professions Code, and a business entity offering professional land surveying services in accordance with that chapter.

**11.2 Defense Obligation For Design Professional Liability.** Consultant agrees, at its cost and expense, to promptly defend the City, and the City’s employees, officers, managers, agents and council members (collectively the “Parties to be Defended”) from and against any and all claims, allegations, lawsuits, arbitration proceedings, administrative proceedings, regulatory proceedings, or other legal proceedings to the extent the same arise out of, pertain to, or relate to the negligence, recklessness or willful misconduct of Consultant, or anyone employed by or working under the Consultant or for services rendered to the Consultant in the performance of the Agreement, notwithstanding that the City may have benefited from its work or services and whether or not caused in part by the negligence of an Indemnified Party. Consultant agrees to provide this defense immediately upon written notice from the City, and with well qualified, adequately insured and experienced legal counsel acceptable to City. Consultant will reimburse City for reasonable defense costs for claims arising out of Consultant’s professional negligence based on the percentage of Consultant’s liability. This obligation to defend as set forth herein is binding on the successors, assigns and heirs of Consultant and shall survive the termination of Consultant’s Services under this Agreement.

**11.3 Indemnity For Design Professional Liability.** When the law establishes a professional standard of care for Consultant’s services, to the fullest extent permitted by law, Consultant shall indemnify, protect and hold harmless the City and the City’s employees, officers, managers, agents, and Council Members (“Indemnified Parties”) from and against any and all claim for damage, charge, lawsuit, action, judicial, administrative, regulatory or arbitration proceeding, damage, cost, expense (including counsel and expert fees), judgment, civil fines and penalties,

liabilities or losses of any kind or nature whatsoever to the extent the same arise out of, pertain to, or relate to the negligence, recklessness or willful misconduct of Consultant, or anyone employed by or working under the Consultant or for services rendered to the Consultant in the performance of the Agreement, notwithstanding that the City may have benefited from its work or services and whether or not caused in part by the negligence of an Indemnified Party.

#### **11.4 Defense Obligation For Other Than Design Professional Liability.**

Consultant agrees, at its cost and expense, to promptly defend the City, and the City's employees, officers, managers, agents and council members (collectively the "Parties to be Defended") from and against any and all claims, allegations, lawsuits, arbitration proceedings, administrative proceedings, regulatory proceedings, or other legal proceedings which arise out of, or relate to, or are in any way connected with: 1) the Services, work, activities, operations, or duties of the Consultant, or of anyone employed by or working under the Consultant, or 2) any breach of the Agreement by the Consultant. This duty to defend shall apply whether or not such claims, allegations, lawsuits or proceedings have merit or are meritless, or which involve claims or allegations that any or all of the Parties to be Defended were actively, passively, or concurrently negligent, or which otherwise assert that the Parties to be Defended are responsible, in whole or in part, for any loss, damage or injury. Consultant agrees to provide this defense immediately upon written notice from the City, and with well qualified, adequately insured and experienced legal counsel acceptable to City. This obligation to defend as set forth herein is binding on the successors, assigns and heirs of Consultant and shall survive the termination of Consultant's Services under this Agreement.

**11.5 Indemnity For Other Than Design Professional Liability.** Except as to the sole negligence or willful misconduct of the City, Consultant agrees to indemnify, protect and hold harmless the Indemnified Parties from and against any claim for damage, charge, lawsuit, action, judicial, administrative, regulatory or arbitration proceeding, damage, cost, expense (including counsel and expert fees), judgment, civil fine and penalties, liabilities or losses of any kind or nature whatsoever whether actual, threatened or alleged, which arise out of, pertain to, or relate to, or are a consequence of, or are attributable to, or are in any manner connected with the performance of the Services, work, activities, operations or duties of the Consultant, or anyone employed by or working under the Consultant or for services rendered to Consultant in the performance of this Agreement, notwithstanding that the City may have benefited from its work or services. This indemnification provision shall apply to any acts, omissions, negligence, recklessness, or willful misconduct, whether active or passive, on the part of the Consultant or anyone employed or working under the Consultant.

## **12. Insurance.**

**12.1 General Provisions.** Prior to the City's execution of this Agreement, Consultant shall provide satisfactory evidence of, and shall thereafter maintain during the term of this Agreement, such insurance policies and coverages in the types, limits, forms and ratings required herein. The rating and required insurance policies and coverages may be modified in writing by the City's Risk Manager or City Attorney, or a designee, unless such modification is prohibited by law.

**12.1.1 Limitations.** These minimum amounts of coverage shall not constitute any limitation or cap on Consultant's indemnification obligations under Section 11 hereof.

12.1.2 **Ratings.** Any insurance policy or coverage provided by Consultant or subcontractors as required by this Agreement shall be deemed inadequate and a material breach of this Agreement, unless such policy or coverage is issued by insurance companies authorized to transact insurance business in the State of California with a policy holder's rating of A or higher and a Financial Class of VII or higher.

12.1.3 **Cancellation.** The policies shall not be canceled unless thirty (30) days' prior written notification of intended cancellation has been given to City by certified or registered mail, postage prepaid.

12.1.4 **Adequacy.** The City, its officers, employees and agents make no representation that the types or limits of insurance specified to be carried by Consultant pursuant to this Agreement are adequate to protect Consultant. If Consultant believes that any required insurance coverage is inadequate, Consultant will obtain such additional insurance coverage as Consultant deems adequate, at Consultant's sole expense.

12.2 **Workers' Compensation Insurance.** By executing this Agreement, Consultant certifies that Consultant is aware of and will comply with Section 3700 of the Labor Code of the State of California requiring every employer to be insured against liability for workers' compensation, or to undertake self-insurance before commencing any of the work. Consultant shall carry the insurance or provide for self-insurance required by California law to protect said Consultant from claims under the Workers' Compensation Act. Prior to City's execution of this Agreement, Consultant shall file with City either 1) a certificate of insurance showing that such insurance is in effect, or that Consultant is self-insured for such coverage, or 2) a certified statement that Consultant has no employees, and acknowledging that if Consultant does employ any person, the necessary certificate of insurance will immediately be filed with City. Any certificate filed with City shall provide that City will be given ten (10) days' prior written notice before modification or cancellation thereof.

12.3 **Commercial General Liability and Automobile Insurance.** Prior to City's execution of this Agreement, Consultant shall obtain, and shall thereafter maintain during the term of this Agreement, commercial general liability insurance and automobile liability insurance as required to insure Consultant against damages for personal injury, including accidental death, as well as from claims for property damage, which may arise from or which may concern operations by anyone directly or indirectly employed by, connected with, or acting for or on behalf of Consultant. The City, and its officers, employees and agents, shall be named as additional insureds under the Consultant's insurance policies.

12.3.1 Consultant's commercial general liability insurance policy shall cover both bodily injury (including death) and property damage (including, but not limited to, premises operations liability, products-completed operations liability, independent contractor's liability, personal injury liability, and contractual liability) in an amount not less than \$1,000,000 per occurrence and a general aggregate limit in the amount of not less than \$2,000,000.

12.3.2 Consultant's automobile liability policy shall cover both bodily injury and property damage in an amount not less than \$1,000,000 per occurrence and an aggregate limit of not less than \$1,000,000. All of Consultant's automobile and/or commercial general liability

insurance policies shall cover all vehicles used in connection with Consultant's performance of this Agreement, which vehicles shall include, but are not limited to, Consultant owned vehicles, Consultant leased vehicles, Consultant's employee vehicles, non-Consultant owned vehicles and hired vehicles.

12.3.3 Prior to City's execution of this Agreement, copies of insurance policies or original certificates along with additional insured endorsements acceptable to the City evidencing the coverage required by this Agreement, for both commercial general and automobile liability insurance, shall be filed with City and shall include the City and its officers, employees and agents, as additional insureds. Said policies shall be in the usual form of commercial general and automobile liability insurance policies, but shall include the following provisions:

It is agreed that the City of Riverside, and its officers, employees and agents, are added as additional insureds under this policy, solely for work done by and on behalf of the named insured for the City of Riverside.

12.3.4 The insurance policy or policies shall also comply with the following provisions:

- a. The policy shall be endorsed to waive any right of subrogation against the City and its sub-consultants, employees, officers and agents for services performed under this Agreement.
- b. If the policy is written on a claims made basis, the certificate should so specify and the policy must continue in force for one year after completion of the services. The retroactive date of coverage must also be listed.
- c. The policy shall specify that the insurance provided by Consultant will be considered primary and not contributory to any other insurance available to the City and Endorsement No. CG 20010413 shall be provided to the City.

12.4 **Errors and Omissions Insurance.** Prior to City's execution of this Agreement, Consultant shall obtain, and shall thereafter maintain during the term of this Agreement, errors and omissions professional liability insurance in the minimum amount of \$1,000,000 to protect the City from claims resulting from the Consultant's activities.

12.5 **Subcontractors' Insurance.** Consultant shall require all of its subcontractors to carry insurance, in an amount sufficient to cover the risk of injury, damage or loss that may be caused by the subcontractors' scope of work and activities provided in furtherance of this Agreement, including, but without limitation, the following coverages: Workers Compensation, Commercial General Liability, Errors and Omissions, and Automobile liability. Upon City's request, Consultant shall provide City with satisfactory evidence that Subcontractors have obtained insurance policies and coverages required by this section.

13. **Business Tax.** Consultant understands that the Services performed under this Agreement constitutes doing business in the City of Riverside, and Consultant agrees that Consultant will register for and pay a business tax pursuant to Chapter 5.04 of the Riverside Municipal Code and keep such tax certificate current during the term of this Agreement.

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

15. **City's Right to Employ Other Consultants.** City reserves the right to employ other Consultants in connection with the Project. If the City is required to employ another consultant to complete Consultant's work, due to the failure of the Consultant to perform, or due to the breach of any of the provisions of this Agreement, the City reserves the right to seek reimbursement from Consultant.

16. **Accounting Records.** Consultant shall maintain complete and accurate records with respect to costs incurred under this Agreement. All such records shall be clearly identifiable. Consultant shall allow a representative of City during normal business hours to examine, audit, and make transcripts or copies of such records and any other documents created pursuant to this Agreement. Consultant shall allow inspection of all work, data, documents, proceedings, and activities related to the Agreement for a period of three (3) years from the date of final payment under this Agreement.

17. **Confidentiality.** All ideas, memoranda, specifications, plans, procedures, drawings, descriptions, computer program data, input record data, written information, and other materials either created by or provided to Consultant in connection with the performance of this Agreement shall be held confidential by Consultant, except as otherwise directed by City's Contract Administrator. Nothing furnished to Consultant which is otherwise known to the Consultant or is generally known, or has become known, to the related industry shall be deemed confidential. Consultant shall not use City's name or insignia, photographs of the Project, or any publicity pertaining to the Services or the Project in any magazine, trade paper, newspaper, television or radio production, website, or other similar medium without the prior written consent of the City.

18. **Ownership of Documents.** All reports, maps, drawings and other contract deliverables prepared under this Agreement by Consultant shall be and remain the property of City. Consultant shall not release to others information furnished by City without prior express written approval of City.

19. **Copyrights.** Consultant agrees that any work prepared for City which is eligible for copyright protection in the United States or elsewhere shall be a work made for hire. If any such work is deemed for any reason not to be a work made for hire, Consultant assigns all right, title and interest in the copyright in such work, and all extensions and renewals thereof, to City, and agrees to provide all assistance reasonably requested by City in the establishment, preservation and enforcement of its copyright in such work, such assistance to be provided at City's expense but without any additional compensation to Consultant. Consultant agrees to waive all moral rights relating to the work developed or produced, including without limitation any and all rights of identification of authorship and any and all rights of approval, restriction or limitation on use or subsequent modifications.

20. **Conflict of Interest.** Consultant, for itself and on behalf of the individuals listed in Exhibit "C," represents and warrants that by the execution of this Agreement, they have no interest, present or contemplated, in the Project affected by the above-described Services. Consultant further warrants that neither Consultant, nor the individuals listed in Exhibit "C" have any real property, business interests or income interests that will be affected by this project or, alternatively, that Consultant will file with the City an affidavit disclosing any such interest.

21. **Solicitation.** Consultant warrants that Consultant has not employed or retained any person or agency to solicit or secure this Agreement, nor has it entered into any agreement or understanding for a commission, percentage, brokerage, or contingent fee to be paid to secure this Agreement. For breach of this warranty, City shall have the right to terminate this Agreement without liability and pay Consultant only for the value of work Consultant has actually performed, or, in its sole discretion, to deduct from the Agreement price or otherwise recover from Consultant the full amount of such commission, percentage, brokerage or commission fee. The remedies specified in this section shall be in addition to and not in lieu of those remedies otherwise specified in this Agreement.

22. **General Compliance With Laws.** Consultant shall keep fully informed of federal, state and local laws and ordinances and regulations which in any manner affect those employed by Consultant, or in any way affect the performance of services by Consultant pursuant to this Agreement. Consultant shall at all times observe and comply with all such laws, ordinances and regulations, and shall be solely responsible for any failure to comply with all applicable laws, ordinances and regulations. Consultant represents and warrants that Consultant has obtained all necessary licenses to perform the Scope of Services and that such licenses are in good standing. Consultant further represents and warrants that the services provided herein shall conform to all ordinances, policies and practices of the City of Riverside.

23. **Waiver.** No action or failure to act by the City shall constitute a waiver of any right or duty afforded City under this Agreement, nor shall any such action or failure to act constitute approval of or acquiescence in any breach thereunder, except as may be specifically, provided in this Agreement or as may be otherwise agreed in writing.

24. **Amendments.** This Agreement may be modified or amended only by a written agreement and/or change order executed by the Consultant and City.

25. **Termination.** City, by notifying Consultant in writing, shall have the right to terminate any or all of Consultant's services and work covered by this Agreement at any time. In the event of such termination, Consultant may submit Consultant's final written statement of the amount of Consultant's services as of the date of such termination based upon the ratio that the work completed bears to the total work required to make the report complete, subject to the City's rights under Sections 15 and 26 hereof. In ascertaining the work actually rendered through the termination date, City shall consider completed work, work in progress and complete and incomplete reports and other documents only after delivered to City.

25.1 Other than as stated below, City shall give Consultant thirty (30) days' prior written notice prior to termination.



25.2 City may terminate this Agreement upon fifteen (15) days' written notice to Consultant, in the event:

25.2.1 Consultant substantially fails to perform or materially breaches the Agreement; or

25.2.2 City decides to abandon or postpone the Project.

26. **Offsets.** Consultant acknowledges and agrees that with respect to any business tax or penalties thereon, utility charges, invoiced fee or other debt which Consultant owes or may owe to the City, City reserves the right to withhold and offset said amounts from payments or refunds or reimbursements owed by City to Consultant. Notice of such withholding and offset, shall promptly be given to Consultant by City in writing. In the event of a dispute as to the amount owed or whether such amount is owed to the City, City will hold such disputed amount until either the appropriate appeal process has been completed or until the dispute has been resolved.

27. **Successors and Assigns.** This Agreement shall be binding upon City and its successors and assigns, and upon Consultant and its permitted successors and assigns, and shall not be assigned by Consultant, either in whole or in part, except as otherwise provided in paragraph 9 of this Agreement.

28. **Venue.** Any action at law or in equity brought by either of the parties hereto for the purpose of enforcing a right or rights provided for by this Agreement shall be tried in the Superior Court, County of Riverside, State of California, and the parties hereby waive all provisions of law providing for a change of venue in such proceedings to any other county. In the event either party hereto shall bring suit to enforce any term of this Agreement or to recover any damages for and on account of the breach of any term or condition of this Agreement, it is mutually agreed that each party will bear their own attorney's fees and costs.

29. **Nondiscrimination.** During Consultant's performance of this Agreement, Consultant shall not discriminate on the grounds of race, religious creed, color, national origin, ancestry, age, physical disability, mental disability, medical condition, including the medical condition of Acquired Immune Deficiency Syndrome (AIDS) or any condition related thereto, marital status, sex, genetic information, gender, gender identity, gender expression, or sexual orientation, military and veteran status, in the selection and retention of employees and subcontractors and the procurement of materials and equipment, except as provided in Section 12940 of the California Government Code. Further, Consultant agrees to conform to the requirements of the Americans with Disabilities Act in the performance of this Agreement.

30. **Severability.** Each provision, term, condition, covenant and/or restriction, in whole and in part, of this Agreement shall be considered severable. In the event any provision, term, condition, covenant and/or restriction, in whole and/or in part, of this Agreement is declared invalid, unconstitutional, or void for any reason, such provision or part thereof shall be severed from this Agreement and shall not affect any other provision, term, condition, covenant and/or restriction of this Agreement, and the remainder of the Agreement shall continue in full force and effect.

31. **Authority.** The individuals executing this Agreement and the instruments referenced herein on behalf of Consultant each represent and warrant that they have the legal power, right and actual authority to bind Consultant to the terms and conditions hereof and thereof.

32. **Entire Agreement.** This Agreement constitutes the final, complete, and exclusive statement of the terms of the agreement between the parties pertaining to the subject matter of this Agreement, and supersedes all prior and contemporaneous understandings or agreements of the parties. Neither party has been induced to enter into this Agreement by and neither party is relying on, any representation or warranty outside those expressly set forth in this Agreement.

33. **Interpretation.** City and Consultant acknowledge and agree that this Agreement is the product of mutual arms-length negotiations and accordingly, the rule of construction, which provides that the ambiguities in a document shall be construed against the drafter of that document, shall have no application to the interpretation and enforcement of this Agreement.

33.1 Titles and captions are for convenience of reference only and do not define, describe or limit the scope or the intent of the Agreement or any of its terms. Reference to section numbers, are to sections in the Agreement unless expressly stated otherwise.

33.2 This Agreement shall be governed by and construed in accordance with the laws of the State of California in effect at the time of the execution of this Agreement.

33.3 In the event of a conflict between the body of this Agreement and Exhibit "A" - Scope of Services hereto, the terms contained in Exhibit "A" shall be controlling.

34. **Exhibits.** The following exhibits attached hereto are incorporated herein to this Agreement by this reference:

Exhibit "A" - Scope of Services

Exhibit "B" - Compensation

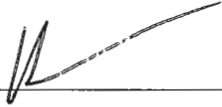
Exhibit "C" - Key Personnel

IN WITNESS WHEREOF, City and Consultant have caused this Agreement to be duly executed the day and year first above written.

CITY OF RIVERSIDE, a California  
charter city and municipal corporation


HILLTOP GEOTECHNICAL, INC.,  
a California corporation

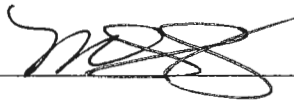
By: \_\_\_\_\_  
City Manager

By:  \_\_\_\_\_  
David Shams  
[Printed Name]  
Secretary  
[Title]

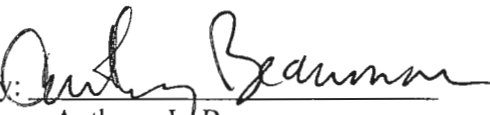
Attest: \_\_\_\_\_  
City Clerk

Certified as to Availability of Funds:

By:  \_\_\_\_\_  
Chief Financial Officer

By:  \_\_\_\_\_  
Michele Shams  
[Printed Name]  
President  
[Title]

Approved as to Form:

By:  \_\_\_\_\_  
Anthony L. Beaumon  
Deputy City Attorney

Hilltop Geotechnical, Inc.  
21-0966 ALB 9/15/21





**PROPOSAL FOR PROFESSIONAL ON-CALL SERVICES  
CONSTRUCTION INSPECTION, TESTING  
AND GEOTECHNICAL ENGINEERING  
FOR THE CITY OF RIVERSIDE PARKS,  
RECREATION & COMMUNITY SERVICES DEPARTMENT**

**RFP No.: 2075  
ISSUED: MAY 14, 2021**

PROPOSAL No.: P21121

May 17, 2021

SUBMITTED TO:

**CITY OF RIVERSIDE  
PARKS, RECREATION & COMMUNITY SERVICES DEPARTMENT  
6927 MAGNOLIA AVENUE, 2<sup>ND</sup> FLOOR  
RIVERSIDE, CA 92506**

PREPARED BY:

**HILLTOP GEOTECHNICAL, INC.  
786 SOUTH GIFFORD AVENUE  
SAN BERNARDINO, CA 92408**

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**COVER LETTER**

**City of Riverside**  
**Parks, Recreation & Community Services Department**  
6927 Magnolia Avenue, 2<sup>nd</sup> Floor  
Riverside, CA. 92506

Proposal No: P21121

**Attention:** Mr. Randy McDaniel - Principal Park Planner

**Subject: Response to Request for Proposals (RFP) for On-Call Services, Construction Inspection, Testing and Geotechnical Engineering, RFP No. 2075 for the City of Riverside Parks, Recreation & Community Services Department.**

In response to your request for proposals for On-Call Services, Construction Inspection, Testing and Geotechnical Engineering, RFP No. 2075, **Hilltop Geotechnical, Inc. (HGI)** has reviewed and understood the RFP (no addendums found) in its entirety and is willing to enter a contract under the terms and conditions prescribed by the RFP and sample agreement. **HGI** is pleased to submit our qualifications to provide the On-Call Services requested by City of Riverside Parks, Recreation & Community Services Department.

**HGI** is a California Corporation and a Certified Small Business Enterprise (SBE #16652), located in the City of San Bernardino, California. Established in 1992, **HGI** specializes in providing Construction Inspection, Geotechnical Engineering and Material Testing throughout Southern California.

The undersigned, Michael Diaz is designated as the contact person for the remainder of the evaluation and selection process. He is fully authorized to submit proposals and negotiate with the **City of Riverside Parks, Recreation & Community Services Department**, and their representatives. As **HGI's** Business Development Manager Mr. Diaz, attests that all information submitted within this proposal is true and correct.

Respectfully submitted,  
**HILLTOP GEOTECHNICAL, INC.**

Michael Diaz  
Business Development Manager

## SECTION B QUALIFICATIONS AND EXPERIENCE

### General Company Description

**Hilltop Geotechnical, Inc. (HGI)**, a California Corporation, is a qualified geotechnical / geologic / environmental consulting firm and material testing laboratory. **HGI** has been a service provider in the Inland Empire since 1992; our Main Office and Full-Service Laboratory are in a standalone 8,000 square foot building the City of San Bernardino.

**HGI's** staff includes Registered Engineering Geologists, Registered Geologists, and Registered Geotechnical Engineers, as well as numerous ICC Special Deputy Inspectors, soil and concrete field technicians, laboratory technicians, and office staff.

**HGI's** Parks and Public Works projects have ranged from Community Centers, Stake Parks, Golf Courses, Recreational Facilities, YMCA Buildings, Athletic Fields, Roads, Sewers, Waterlines, Storm Drains, and Culvert projects to Court Houses, Fire Stations, Police Stations, and Libraries. Outside of Public Works, **HGI's** private projects have ranged from extensive Master Planned Communities and large commercial buildings to the smaller needs of retaining walls and driveways at single family residences.

**HGI** has extensive experience which is like the services requested in your RFP. We currently have Public Works annual contracts with many municipalities including the Cities of Redlands (2003 to current on-call contract), Loma Linda (2012 to current on-call contract), Riverside Public Works (2005 to 2013), Riverside Public Utilities (2006 to current on-call contract), Riverside Parks and Recreation (2007 to current on-call contract), Moreno Valley (2002 to 2019), Yucaipa (2012 to current on-call contract), the County of San Bernardino Architectural and Engineering Department (2000 to 2018), San Bernardino Municipal Water Department (2012 to current on-call contract), Cherry Valley Beaumont Water District (2013 to current on-call), and Eastern Municipal Water District (2018-2020). Additionally, we currently work on an "as needed" basis with the Cities of Highland, Colton, Fontana, and Rialto.

Our ACI and ICC certified technicians and inspectors routinely perform reinforced and pre-stressed concrete special inspection along with welding, structural steel, structural masonry, and compaction testing for many types of public works projects throughout Southern California. Projects typically include utility installation, street widening, paving operations, grading control, concrete inspection, cylinder fabrication, and other inspection services.

**HGI** is a State of California Qualified laboratory by **Caltrans**. Our laboratory has also been inspected by the Cement and Concrete Reference Laboratory (**CCRL**), **AASHTO** Materials Reference Laboratory (**AMRL**), and **Caltrans**.

**HGI's** core value of providing our clients with innovative professionals who provide cost effective solutions in a timely and responsible way has allowed us to develop and maintain positive working relationships with our clients. We look forward to providing the **City of Riverside Parks, Recreation & Community Services Department** the services requested in your RFP.



**Project Understanding**

It is our understanding that the requested services consist of providing professional consulting on-call services for geotechnical engineering, geologic, foundation investigations, construction inspection, measurement, computation of quantities, environmental due diligence for land acquisition, and review or testing of construction materials; and including but not limited to:

- Employing a full-time registered California professional engineer pursuant to Chapter 7 (commencing with Section 6700) of Division 3 of the Business and Professions Code, and a business entity offering professional engineering services in accordance with that chapter.
- Attending and participate in Pre-construction meetings.
- Reviewing material submittals for contract document compliance.
- Inspecting, monitoring, and documenting compliance with SWPPP Plan and construction BMPs.
- Conducting as needed on-site construction observations of the progress and quality of work to ensure compliance with contract documents.
- Attending weekly progress meetings with the contractor and City Project Manager to discuss daily work activities and anticipated inspection activities.
- Anticipating, investigating, and promptly preparing correction notices to the contractor for all defects or deficiencies in the materials and workmanship.
- Coordinating with local utility providers on protection, adjustment, and/or relocation of existing facilities.
- Coordinating the timely performance of material testing and review of survey cut sheets.
- Ensuring best management practices and safety is performed.
- Preparing and updating a daily correction list for use by the contractor and City Project Manager.
- Reviewing and preparing a recommendation for contractor's RFIs and Change Order Proposals as requested by City Project Manager.
- Reviewing progress payment request and verifying completed quantities as requested by City Project Manager.
- Conducting walk-through with the contractor as requested by City Project Manager.
- Performing geotechnical investigation to include site evaluation and slope stability analysis.

- Preparing geotechnical studies, environmental site assessments, and seismic analysis.
- Providing soils inspection, compaction testing, and materials testing services to include field and laboratory testing of materials to serve as quality assurance on construction projects in accordance with project contract documents and applicable ICC, CBC, ASTM, ACI, AASHTO, AWS standards, codes, city ordinances, regulations, laws, and common industry practices.
- Assuring that consultants and consultant staff assigned to City projects have a thorough knowledge of civil engineering principles and practices and site improvement design requirements. The City representative must approve all consultant staff assigned to City projects. Consultants or consultant staff assigned to City projects shall be licensed in the State of California as Geotechnical Engineers or Engineering Geologists.
- Providing appropriate testing of materials would include analyses to determine their engineering properties and their suitability for use as construction materials for public works construction.
- During the construction phase of projects, if requested by the City providing geotechnical engineering services for the observation of earthwork operations and directing the removal and removal/replacement of unsuitable materials. Sampling and testing of soils and construction materials in accordance with Green Book specifications will be performed as directed by City staff. Sampling and testing may also be performed at the material's source of manufacturing or production facility.

These services are required to comply with the general prevailing wage rates of per diem wages and overtime and holiday wages determined by the Director of the Department of Industrial Relations under Section 1720 et. seq. of the California Labor Code and implemented by Resolution No. 13346 of the City of Riverside. **HGI's** Industrial Relations (IR) Registration Number is 1000011968. **HGI** will comply fully with these requirements.

**EXHIBIT C CONSULTANT'S  
QUALIFICATIONS STATEMENT**

CONSULTANT'S NAME: Hilltop Geotechnical, Inc.

**1. ORGANIZATION**

1.1 How many years has your organization been in business as a Consultant? 29 yrs.

1.2 How many years has your organization been in business under its present name? 29 yrs.

1.2.1 Under what other names has your organization operated? N/A

1.3 If your organization is a corporation, answer the following:

1.3.1 Date of incorporation: 01/10/1994

1.3.2 State of incorporation: CA

1.3.3 Corporate ID number: C1881409

1.3.4 President's name: Michele Shams

1.3.5 Agent for Service of Process: Michele Shams

1.4 If your organization is a partnership, answer the following:

1.4.1 Date of organization: N/A

1.4.2 Type of partnership (if applicable): N/A

1.4.3 Name(s) of general partner(s): N/A

1.5 If your organization is individually owned, answer the following:

1.5.1 Date of organization: N/A

1.5.2 Name of owner: N/A

1.6 If the form of your organization is other than those listed above, describe it and name the principals: N/A

**2. LICENSING**

2.1 List jurisdictions and trade categories in which your organization is legally qualified to do business and indicate registration or license numbers, if applicable.

**SEE PAGE 4**

2.2 List any other certifications held by your organization, and the name under which they are held.

N/A

## SECTION C COMPANY INFORMATION

### HGI History

**Hilltop Geotechnical, Incorporated (HGI)** has been a service provider in Southern California since 1992, originally located in Running Springs California, moving to the City of Highland in 1993. **HGI's** continued growth brought about changes over the years including becoming a California Corporation (established on February 4, 1994) and a Certified Small Business Enterprise (SBE #16652). By the late 1990's HGI's growth required the company to rent two adjacent suites at their Highland Offices, in 2002 HGI's purchased its current office and full-service laboratory, in a standalone two story 8,000 square foot building located at 786 South Gifford Avenue, in the City of San Bernardino, in June of 2019 **HGI's** founder and President Mark Hulett retired, and Michele Shams became the companies new President.

**HGI's** staff includes one certified engineering geologists, one registered geologist, one registered geotechnical engineer, one professional engineer as well as numerous ICC inspectors, soil and concrete field technicians, laboratory technicians, and office staff. **HGI** is a State of California qualified laboratory by Caltrans. Our laboratory is also routinely inspected by the Cement and Concrete Reference Laboratory (CCRL), AASHTO Materials Reference Laboratory (AMRL), and Caltrans.

**HGI** has consulted in the Inland Empire area for 29 years. **HGI** has never conducted business under other business names. **HGI** does not have any commitments or potential commitments that may impact our ability to perform the duties required within the contract. If awarded a contract, **HGI** will not enter any such commitments while under contract with the **City of Riverside Parks, Recreation & Community Services Department**.

**HGI** has never filed for bankruptcy, has no record of unsatisfactory performances, serious deficiencies, or had any employee sustain any serious injury while working on any public or private contract during **HGI's** entire history. **HGI** has continuously performed services like the services requested in this RFP for its entire 29-year history.

**HGI** has no current litigation, mediation, arbitration regarding the performance of any services like the Services, in which the Company has been involved in the past five (5) years. **HGI** has never filed for bankruptcy.

**HGI** is currently and agrees to remain registered with the Department of Industrial Relations as required by S.B. 854 (Chapter 28, Statutes of 2014) to work on public works contracts.

**HGI** has selected Michael Carrillo as the contact person for this contract, he is available by email at [M.Carrillo@hgeotech.com](mailto:M.Carrillo@hgeotech.com), office Phone (909) 890-9079, cellular phone (909) 306-6279 or mail 786 S. Gifford Ave, San Bernardino, CA. 92408.

Mr. Carrillo has over 35 years' experience in soils and materials testing for various types of projects (22 years at Hilltop Geotechnical, Inc.).

## SECTION D COMPANY PERSONNEL

HGI's objective for the contract is to provide the **City of Riverside Parks, Recreation & Community Services Department** with an experienced team who have the appropriate qualifications and have demonstrated competence in performing Geotechnical Services similar to projects we expect you may request. We understand that our team's ability to perform the required tasks assigned to them by the **City of Riverside Parks, Recreation & Community Services Department** could impact the project schedule. As such, our personnel will be experienced, dedicated, given sufficient time, and have a firm grasp on the importance of timely and cost-efficient results, communication, and cooperation.

HGI proposes the following key staff members for the **City of Riverside Parks, Recreation & Community Services Department** contract:

**Michele Shams, M.B.A., M.A.F.M.  
President, C.E.O.**

Michele has over 20 years in the construction industry, finance and accounting, and project management. She is currently the CEO for Hilltop Geotechnical, providing overall company direction and leadership, and runs day to day operations from an executive perspective. She will be responsible for:

- Providing overall company direction.
- Conducting regularly scheduled staff meetings.
- Assigning project tasks to key personnel.
- Directing work performed by our in-house geology staff.
- Being available to attend all requested meetings.

Contact Information: Office Phone: (909) 890-9079, Email [M.Shams@hgeotech.com](mailto:M.Shams@hgeotech.com)

**Shaofu (Mac) Chen P.E., C.E.G.  
Registered Senior Engineer/Geologist**

Mr. Chen will be the Registered Senior Engineer/Geologist for the project. Mr. Chen possesses over 15 years of geotechnical, construction testing and project management/quality control experience (6 months with HGI). Mr. Chen is a Registered Professional Engineer, License Number P.E. C76834 as well as Certified Engineering Geologist License Number C.E.G. 2688. As the registered Geotechnical Engineer and Geologist, Mr. Chen's participation will include the following:

- Review of all work performed by field and laboratory personnel.
- Performing field investigations.
- Answering RFI's.
- Writing and/or reviewing geotechnical reports and specifications.
- Being available to attend requested meetings.

Contact Information: Office Phone: (909) 890-9079, Email S.Chen@hgeotech.com

**Paul Chang, G.E.**  
**Senior Geotechnical Engineer**

Paul Chang will be the Project Senior Geotechnical Engineer for the project. Mr. Chang possesses over 15 years of geotechnical, construction testing and project management/quality control experience (One year with **HGI**). Mr. Chang is a Geotechnical Engineer, License Number GE2871. As the Senior Geotechnical Engineer, Mr. Chang's participation will include the following:

- Review of all work performed by field and laboratory personnel.
- Answering RFI's.
- Writing and/or reviewing geotechnical reports and specifications.
- Being available to attend requested meetings.

Contact Information: Office Phone: (909) 890-9079, Email P.Chang@hgeotech.com

**Michael Carrillo**  
**Project Manager**

Michael Carrillo has over 35 years' experience in soils and materials testing for various types of projects (22 years at Hilltop Geotechnical, Inc.). As a Project Manager for over 25 years, Mr. Carrillo will participate by:

- Providing supervision/direction to our field inspectors.
- Scheduling and coordinating all matters pertaining to requested work for the project.
- Being the central point/emergency contact for our projects.
- Assuring that all field equipment is calibrated and in good working order.
- Conducting regular safety meetings.
- Assuring the project remains on time and budget.
- Being available to attend all requested meetings.

Contact Information: Office Phone: (909) 890-9079, Email M.Carrillo@hgeotech.com

**Manuel Baeza**  
**Lead Technician/ICC Inspector**

Mr. Baeza has over 6 years' experience (4 years at Hilltop Geotechnical Inc.) in soils and materials testing for various types of projects. As the Lead Technician/ Inspector, Mr. Baeza will participate by:

- Providing on site ICC inspections for reinforced concrete, ACI Concrete inspections and soil testing.

- Providing supervision/direction to our field inspectors/technicians.
- Preparing daily field reports.
- Assuring that all field equipment is calibrated and in good working order.
- Being available to attend all requested meetings.
- Reporting all noncomplying items to the agency immediately.

Contact Information: Office Phone: (909) 890-9079, Email M.Baeza@hgeotech.com

**Kevin Beath**  
**Laboratory Manager**

Kevin Beath has over 20 years of laboratory experience (all 20 at Hilltop Geotechnical, Inc.). He is currently certified by Caltrans to perform soils and concrete testing and maintains **HGI's** laboratory certifications for CCRL, AMRL, and Cal-Trans. Mr. Beath participates by:

- Managing laboratory staff.
- Training laboratory personnel.
- Assuring that all laboratory equipment is Calibrated and in good working order.
- Assigning and/or performing laboratory testing in a timely manner.
- Reviewing laboratory test results.
- Being available to attend all requested meetings.

Contact Information: Office Phone: (909) 890-9079, Email K.Beath@hgeotech.com

We are very proud of our key management team, and as a team has successfully provided geotechnical consulting services to our clients for many years. We anticipate that our team can and will exceed the expectations of the **City of Riverside Parks, Recreation & Community Services Department**.

Our commitment to providing geotechnical consulting services in a timely, cost effective manner has resulted in long term partnerships with many of our clients.

**HGI** does not anticipate the need to use any subcontractors on this project.

Other qualified personnel who may participate in the project are included on the attached Organizational Chart.

**HGI does not anticipate the use of any subconsultants on this project.**

## SECTION E EXPERIENCE AND RELEVANT PROJECTS

HGI's key staffs project experience exceeds the 5-year requirement in public works projects.

### **Michael Carrillo Project Manager**

#### **2019-Current**

##### **LAUSD Cleveland High School-Comprehensive Modernization Project**

This project consists of the Construction of 1-(2)-story Classroom Building A, 1-(3)-story Classroom Building B, 1-Food Service Building C, 1-(2)-story Multi-Purpose Building D, and Site Improvements. Mr. Carrillo's responsibilities include responding to RFI's, mix design review, WPS reviews, coordinating on-site testing of soils, concrete, masonry, structural steel welding and bolting, ultrasonic testing, epoxy, anchor bolts, fireproofing, and off-site testing of concrete batch plants and fabrication shops. Mr. Carrillo also is responsible for submitting all required DSA forms and documentation, and invoice review.

#### **2019-Current**

**Valencia Water Reclamation Plant Advance Water Treatment Facility Project** This project consists of construction of an advanced water treatment facility (microfiltration, nanofiltration, enhanced membrane system), metal building, electrical and control room, electrical substation and transformers for a new power service, duct banks and electrical conduit, underground utilities, instrumentation and piping systems, fire prevention systems, above ground tanks (concrete, plastic, steel), concrete structures, truck loading station, pump stations, asphalt roads, chemical storage and cleaning systems, metal canopies, site improvements, and all appurtenant work. Mr. Carrillo's responsibilities include scheduling technicians/inspectors, responding to RFI's, mix design review, WPS reviews, coordinating on-site testing of soils, concrete, structural steel welding and bolting, ultrasonic testing, time of flight deflection, and off-site testing of concrete batch plants. Mr. Carrillo also is responsible for submitting all required documentation, and invoice review.

#### **2010-Current**

##### **City of Riverside Parks, Recreation & Community Services Department. On-call Contract**

Mr. Carrillo has served as the project manager for this on-call contract since 2010, he has managed many projects such as Renck Community Center, Mt. Rubidoux Park Emergency Road Repair, Hunt Park Skate Park and Pool Renovations, La Sierra Senior Center Wooden Floor Evaluation, Ysmael Villegas Community Center, Don Jones Park Restroom Replacement, Arlington Park Playground Replacement, Fairmount Park Boat Launch, Centro De Ninos at Bordwell Park and Sycamore Highlands Park Playground Resurfacing. Mr. Carrillo's responsibilities included project management, scheduling technicians and inspectors, writing reports and budget control.



**Mr. Shaofu (Mac) Chen P.E., C.E.G.****Professional Engineer and Certified Engineering Geologist****Project Manager, Thrifty Oil Co., Santa Fe Springs, Dec. 2010-May 2015**

- Direct and coordinate site environmental assessments and remedial feasibility studies for gasoline stations and petroleum refinery.
- Prepare remedial action plans and direct remediation system designs, installations, and operation & maintenance for gasoline stations.
- Prepare site assessment work plans, site assessment reports, pilot testing reports, groundwater monitoring reports, and remediation system performance reports, etc.
- Monitor remedial activities for each site to ensure compliance with permits.
- Review technical reports prepared by consultants.
- Prepare packages for bids and evaluate bids and issues the purchase orders.
- Monitor and control expenses for each remediation site.
- Communicate with local and state agencies and recommend for various remedial actions to lead case closures.

**Senior Engineer/Geologist, Hydrologue, Inc., Pasadena, Jan. 2005-Nov. 2010**

- Review site topo and geologic map, aerial photos and hydrogeologic background and prepare cost proposal/bid.
- Perform site investigation including geologic structure mapping, drilling, test pit, sampling, fault trench, percolation test, etc.
- Direct lab testing and conduct seismic risk analysis, slope stability and liquefaction potential analysis if needed.
- Prepare figures and compile soil report, which includes recommendations for foundation type and design criteria, expected total and differential settlement, compacted fill materials and testing, special design and construction provisions for mitigation of the effects of special site conditions, etc.
- Review & modify civil and engineering plan in conformity with recommendations.
- Perform Phase I and Phase II environmental assessment including site characterization and hydrogeologic assessment for sites impacted with contaminants, such as petroleum hydrocarbons, chlorinated chemicals, pesticides, heavy metals, etc.
- Typical projects such as upgrading and seismic retrofitting for Pasadena City Hall, re-development of Pasadena Power Plant, numerous re-development projects for Pasadena Unified School District and Chaffey Joint Union High School District, etc.

**Research Engineer, Center for Protective Technology, Singapore,  
August 1997-July 2000**

- Perform site characterization including site geologic specifications, building & substructure distribution, and mechanical property testing for soil and rock.
- Develop a 3-D dynamics finite element software with creative algorithm to simulate soil-structure interaction under dynamic loading.

- Model ground shock impact on building and substructure due to underground magazine blasting and compute inhibition distance of structure.
- Simulate surface explosion impact on underground protective structures and recommend solutions for improvement.

**Paul Chang, G.E.****Senior Geotechnical Engineer**

- **Upland Town Center**

For this on-going project Mr. Chang is responsible for project oversight, coordination of geotechnical services, responding to RFI's and project management.

- **Mt. View Overpass**

For this on-going project Mr. Chang is responsible for project oversight, coordination of geotechnical services, responding to RFI's and project management. Mr. Chang is responsible for uploading project documentation in plan grid/Procore systems.

- **KHOV Master Planned Community Indio**

For this on-going Project, which consist of over 3,500 single family dwellings, Mr. Chang is responsible for the coordination of geotechnical services, preparation of geotechnical reports, responding to RFI's, assigning, and overseeing laboratory testing. Mr. Chang also was responsible for budget control.

- **Little Dalton Debris Dam Seismic Strengthening Project**

Mr. Chang was responsible for the review of geotechnical reports and analysis. Assisting in project development and coordination of field services.

- **Artesia Marriott Hotel**

As the Project Geotechnical Engineer, Mr. Chang was responsible for the coordination of geotechnical services, preparation of geotechnical reports, responding to RFI's, assigning, and overseeing laboratory testing. Mr. Chang also was responsible for budget control.

- **Hermosa Water Line**

Mr. Chang's responsibilities included preparation of a preliminary soil's investigations, assigning, and overseeing laboratory testing. Mr. Chang also was responsible for budget control.

- **Thompson Creek Dam**

As the Project Geotechnical Engineer, Mr. Chang was responsible for the coordination of geotechnical services, preparation of geotechnical reports, responding to RFI's, assigning, and overseeing laboratory testing. Mr. Chang also was responsible for budget control.

- **Malibu Creek Bridge Over Pass**

As the Project Geotechnical Engineer, Mr. Chang was responsible for the coordination of geotechnical services, preparation of geotechnical reports, responding to RFI's, assigning, and overseeing laboratory testing. Mr. Chang also was responsible for budget control.

**Manuel Baeza**

**Lead Technician/ICC Inspector**

**April 2021-Current**

**City of Fontana- Valley Boulevard Improvements Project**

Mr. Baeza's role on this project includes sampling and soil compaction tests during grading, sampling, and testing for freshly placed Portland Cement Concrete, writing daily reports and communicating with the client and sub-contractors performing the work.

**March 2021**

**City of Brea-Napoli Tract Water Improvements**

Mr. Baeza's role on this project includes sampling and soil compaction tests during waterline trench backfill, writing daily reports and communicating with the client and sub-contractors performing the work.

**December 2020-February 2021**

**Prodo Dam Dog Park**

Mr. Baeza's role on this project includes sampling and soil compaction tests during sewer trench backfill, writing daily reports and communicating with the client and sub-contractors performing the work.

**January 2019-Current**

**Cerritos College-Performing Arts Center**

Mr. Baeza's role on this project includes soil compaction testing during grading and post grading, reinforced concrete inspection writing daily reports and communicating with the client and sub-contractors performing the work.

**March 2018 - November 2018**

**San Bernardino International Airport Demolition Pad, CA.**

Mr. Baeza's role on this project included providing grading, post grading, and special inspection inspections. Responsible for observation and density testing during site grading, and post grading, including verification of grading over excavation requirements, and sand cone/nuclear gauge density testing of controlled fills, trench backfill, asphaltic concrete and PCC concrete taxiway inspections.

**April 2017 - March 2018**

**State of California-Chino Hills State Park, CA.**

**Mr. Beaza's role on this project included** providing grading, post grading, and special inspection inspections. Responsible for observation and density testing during site grading, soil nail walls, utility trench backfills, soil abutments, and asphaltic concrete.

## **SECTION F LIST OF REFERENCES FOR RELEVANT PROJECTS**

### **CITY OF RIVERSIDE PARKS AND RECREATION DEPARTMENT ON-CALL ANNUAL CONTRACT (2006 TO CURRENT)**

**HGI** has maintained a multi-year annual contract to provide on-call geotechnical, environmental, and materials testing and inspection services to support various design and construction projects throughout the City. Since 2006, **HGI** has provided responsive and efficient services on a variety of geotechnical and environmental investigation services and materials testing services for various projects, such as the Fairmount Park Boat Ramp Project, Reid Park Addition Project, Renck Community Center and Gymnasium Project, Mount Rubidoux Park Emergency Road Repair Project, Hunt Park Community Pool and Stake Park Project, and the Ysmael Villegas Community Center and Soccer Field Project.

**City of Riverside  
Parks and Recreation Department**  
6927 Magnolia Avenue  
Riverside, CA 92506

Principal Park Planner: Mr. Randy McDaniel  
Phone: 951-826-2006  
[Rmcdaniel@riverside.gov](mailto:Rmcdaniel@riverside.gov)

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### **CITY OF SAN BERNARDINO ON CALL MATERIAL TESTING AND INSPECTION SERVICES (1998-2012 AND 2017 TO CURRENT)**

**HGI** was recently awarded a multi-year annual contract to provide on-call geotechnical and materials testing and inspection services to support construction projects throughout the City of San Bernardino. **HGI** previously provided on call services between July 1998 and July 2012 prior to the City's bankruptcy. **HGI** has provided the City with responsive and efficient services on a variety of geotechnical services and materials testing services for various projects, such as the I 215 Segment 3 Sewer Main Line Replacement Project, Victoria Avenue Beautification Project, H Street Sewer Replacement Project, and Metro-link Infiltration Study.

**City of San Bernardino**  
290 North D Street  
San Bernardino, CA 92401

Project Manager: Mrs. Donna Puentes  
Phone: 909-222-5589  
[Puentes\\_do@sbcity.org](mailto:Puentes_do@sbcity.org)

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### **CITY OF LOMA LINDA ON-CALL ANNUAL CONTRACT (2000 - CURRENT)**

**HGI** has maintained an annual contract to provide on-call geotechnical, environmental, and materials testing and inspection services to support various design and construction projects throughout the City of Loma Linda. Since 2000, **HGI** has provided the City with responsive and efficient services on a variety of geotechnical services and materials testing services for various projects such as the Loma Linda Library Addition Project, Loma Linda Senior Center Project, Temporary Fire Station Project, Anderson Street Emergency Repairs Project, Poplar Street Improvement Project, Geological Reconnaissance and Evaluation for Slope Failure Adjacent the Water Tank on Crestview Drive, Cottage Way Water Line Replacement Project, California Street Improvement Project, Anderson Bridge Seismic Retrofit Project, and the Barton Road Water Line Replacement Project.

*Reference:*

**City of Loma Linda**  
25541 Barton Road  
Loma Linda, CA 92354

City Engineer: Jarb Thaipejr  
Phone: (909) 799-4401  
[jthaipejr@lomalinda-ca.gov](mailto:jthaipejr@lomalinda-ca.gov)

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#### **CITY OF YUCAIPA ON CALL MATERIAL TESTING AND INSPECTION (SERVICES 2012 - CURRENT)**

**HGI** has maintained an annual contract to provide on-call geotechnical and materials testing and inspection services to support construction projects throughout the City of Yucaipa. Since 2012, **HGI** has provided the City with responsive and efficient services on a variety of geotechnical services and materials testing services for various projects, such as the 2013-2014 Slurry Seal Project, 2013-2014 Asphalt Rubber Aggregate Membrane (ARAM) Project, 2013-2014 Street Rehabilitation Project, 2013-2014 Micro-Surfacing Project, California Street Improvement Project, the Dunlap Boulevard Project and the I10/Oak Glen Road Monument Project.

**City of Yucaipa**  
34272 Yucaipa Blvd.  
Yucaipa, CA. 92399

Assistant City Engineer: Landon Kern, P.E.  
Phone: 909-797-2489  
[lkern@yucaipa.org](mailto:lkern@yucaipa.org)

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#### **List of recent projects and their descriptions, completed for the above referenced municipalities:**

**City of Riverside's Arlington Innovation Center Project**, Riverside, CA. (Completed in January 2020), this project included ICC Soil Inspections during mass grading and post grading ICC Structural Masonry, Reinforced Concrete and Structural Bolting/Welding Inspections during the construction of Arlington Innovation Center.

**City of Riverside Parks and Recreation Department's Fairmount Park Boat Ramp Project**, Riverside CA. (Completed in May 2017). This project required site observation and testing during the grading of the new floating boat ramp and inspection of the drilled piles.

**City of San Bernardino – Safe Routes to School Project** (Completed in September 2020)  
This project included field observations of trench backfill, street grading, asphaltic concrete paving inspections requiring both ASTM and Cal Trans test methods during the construction operations for the project.

**City of San Bernardino’s Traffic Signal Installation at 9<sup>th</sup> Street and Sierra Way Project**, San Bernardino, CA. (Completed in March 2018). This project required nondestructive, after the fact testing of concrete and asphalt placed prior to **HGI’s** being assigned to the project.

**City of Loma Linda – Heritage Park, Hinckley House Project**, (Completed August 2020).  
For this project, **HGI** is provided seepage pit percolation design study.

**City of Loma Linda – Anderson Way Storm Drain and Water Main (CIP 18-410) Project**, (Completed July 2019). For this project, **HGI** is provided a pavement design study, observation and testing of trench backfill, street grading.

**City of Yucaipa - City Yard Project**, Yucaipa, CA. (On going Project). For this ongoing project, **HGI** is currently providing observation and testing of three building pads and slope stability analysis and grading recommendations and will provide post grading inspection during the site improvements phase of the project, slope stability and percolation investigation.

**City of Yucaipa – County Line Waterline Project**, (Completed February 2019). This project included field observations, and in-place density testing of trench backfill, street sub-grade, aggregate base, and asphaltic concrete.

*MATERIALS TESTING SERVICES FEE SCHEDULE PREVAILING WAGE APPLIES*				
Evaluation Based on Total Hourly Rate Tallied. Total Tallied from all Proposals Received Will Be Given Full 30 Points, Percentage of Total Points to be Distributed to all other Proposals Will Be Based on the lowest total received among proposals.				
PRIMARY TEST/NAME	Test ID	Fee per Each Test	Tests Performed in the Proposer's Laboratory	Tests Performed by outside Laboratory
SOIL TESTING (COST EACH)				
CHLORIDE TEST		\$ 100.00	Y	N
CHUNK DENSITY & MOISTURE		\$ 28.00	Y	N
CONSOLIDATION TESTING				
CONSOLIDATION – FULL		\$ 200.00	Y	N
CONSOLIDATION – REMOLD		\$ 65.00	Y	N
CONSOLIDATION – SINGLE POINT		\$ 100.00	Y	N
CORROSION ANALYSIS TEST (PH REDOX, RESISTIVITY)		\$ 185.00	Y	N
DIRECT SHEAR TESTING				
DIRECT SHEAR – IN SITU		\$ 265.00	Y	N
DIRECT SHEAR – REMOLD		\$ 325.00	Y	N
EXPANSION INDEX TEST		\$ 150.00	Y	N
COMPACTION CURVES (all methods)		\$ 210.00	Y	N
COMPACTION CURVES				
4-IN MOLD	(ASTM D1557)	\$ 210.00	Y	N
6-IN MOLD	(ASTM D1557)	\$ 210.00	Y	N
CAL TRANS 216		\$ 210.00	Y	N
MOISTURE CONTENT TEST		\$ 25.00	Y	N
ORGANIC CONTENT TEST		\$ 37.00	Y	N
PERMEABILITY TEST		Quote	Y	N
ATTERBERG LIMITS TEST		\$ 127.00	Y	N
RESISTANCE VALUE TEST (R VALUE)		\$ 300.00	Y	N
RESISTIVITY		\$ 111.00	Y	N
RING MOISTURE & DENSITY TEST		\$ 28.00	Y	N
SAND EQUIVALENT TEST		\$ 106.00	Y	N
SIEVE ANALYSIS TEST (HYDROMETER)		\$ 212.00	Y	N
SIEVE ANALYSIS TEST (FULL)		\$ 111.00	Y	N
SIEVE ANALYSIS TEST (-200)		\$ 100.00	Y	N
SULFATE TEST		\$ 75.00	Y	N
CONCRETE / MASONRY TESTING (COST EACH)				
CYLINDER COMPRESSION TEST		\$ 36.00	Y	N
CYLINDER CORE, CHARGE		\$ 35.00	Y	N
CYLINDER TRIM OR CAPPING CHARGE		\$ 15.00	Y	N

GROUT / MORTAR COMPRESSION TEST		\$ 45.00	Y	N
ASPHALT TESTING (COST EACH)				
ASPHALT CONTENT – IGNITION OVEN				
PREMIXED AC SAMPLE (CT382)	CT382	\$ 185.00	Y	N
ASPHALT CONTENT / GRADATION – IGNITION OVEN				
PREMIXED AC SAMPLE (CT202, CT382)	CT202, CT382	\$ 260.00	Y	N
HVEEM SPECIFIC GRAVITY / STABILITY VALUE				
PREMIXED AC SAMPLE (CT308, CT366)	CT308, CT366	\$ 260.00	Y	N
HVEEM STABILITY VALUE – PREMIXED AC SAMPLE (CT366)	CT366	\$ 185.00	Y	N
HVEEM SPECIFIC GRAVITY / STABILITY VALUE (RUBBERIZED ASPHALT)				
PREMIXED AC SAMPLE (CT308, CT366)	CT308, CT366	\$ 245.00	Y	N
HVEEM STABILITY VALUE (RUBBERIZED ASPHALT)				
PREMIXED AC SAMPLE (CT366)	CT366	\$ 190.00	Y	N
SPECIFIC GRAVITY OF HVEEM OR CORE SAMPLE – UNCOATED (CT308)	CT308	\$ 90.00	Y	N
SPECIFIC GRAVITY OF HVEEM OR CORE SAMPLE – COATED (CT308)	CT308	\$ 102.00	Y	N
<b>HOURLY RATES - 40 Points (Prevailing Wage if applicable)</b> Evaluation Based on Total Hourly Rate Tallied. Lowest Total Tallied from all Proposals Received Will Be Given Full 40 Points, Percentage of Total Points to be Distributed to all other Proposals Will Be Based on The Lowest Total Proposed.				
<b>PERSONNEL CHARGES</b>	<b>Hourly Rate</b>			
PROJECT ENGINEER / GEOLOGIST	\$ 200.00			
PROJECT MANAGER	\$ 135.00			
PREVAILING WAGE – INSPECTOR ICC	\$ 118.00			
PREVAILING WAGE – FIELD TECHNICIAN	\$ 118.00			
LABOR	\$ 80.00			
<b>CHARGES (HOURS) – 30 Points</b> Evaluation based on Minimum hours fee. 30 Points Awarded for No Minimums Hourly fee , 25 Points Awarded for 2 Hour Minimum fee, 15 Points Awarded for 4 Hour Minimum, 5 Points Awarded for 6 Hour Minimum, 0 Points Awarded for 8 Hour Minimum. Below are justified events for minimum charge.				
<b>MINIMUM FIELD WORK/INSPECTION CHARGES</b>	<b>2 hr. Min Fee</b>	<b>4 hr. Min Fee</b>	<b>6 hr. Min Fee</b>	<b>8 hr. Min Fee</b>
INSPECTIONS	\$ -	\$ 118.00	\$ 118.00	\$ 118.00
SHOW UP AND NO TESTING OR INSPECTION	\$ 118.00	\$ -	\$ -	\$ -
CANCELLATION OF WORK AFTER 3:30PM ON PREVIOUS DAY	\$ -	\$ -	\$ -	\$ -



**EXHIBIT E Disclosure****Questionnaire**

The Consultant shall complete the following questionnaire:

1. Has the Consultant, any officer of the Consultant, or any employee of the Consultant who has proprietary interest in the Consultant, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or safety regulation?

Yes \_\_\_\_\_ No X

2. Has the Consultant, any officer of the Consultant, or any employee of the Consultant who has proprietary interest in the Consultant, ever had any administrative proceedings, claims, lawsuits, or other exposures pending against the Consultant?

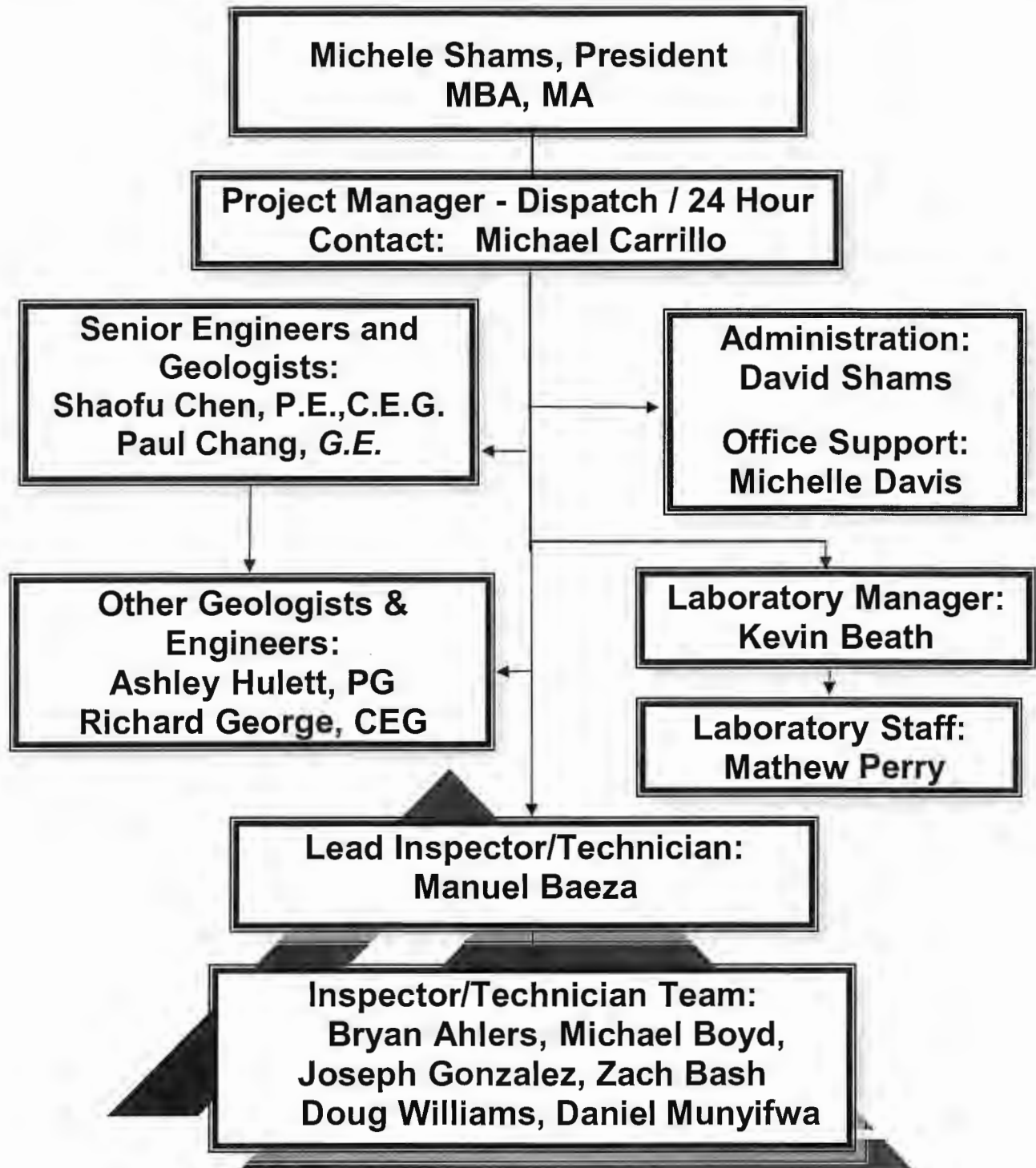
Yes \_\_\_\_\_ No X

## OUR COMMITMENT

**HGI's** staff will be respectful of the general public, the contractors performing the work, and the staff of the **City of Riverside Parks, Recreation & Community Services Department**. **HGI** will respond to all requests for services in a timely manner, **HGI** will not take scheduling requests, perform any work, or give any recommendations verbal or written to any parties not authorized by **City of Riverside Parks, Recreation & Community Services Department**. Test results will be presented at the end of each workday to the **City of Riverside Parks, Recreation & Community Services Department**, any non-compliance items will be reported immediately to **City of Riverside Parks, Recreation & Community Services Department**. Additionally, **HGI's** personnel will always wear appropriate safety gear and are subject to random drug testing.

**HGI's** core value of providing our clients with innovative professionals who provide cost effective solutions in a timely and responsible way has allowed us to develop and maintain positive working relationships with our clients. We look forward to providing the **City of Riverside Parks, Recreation & Community Services Department** the services requested in

# Hilltop Geotechnical Inc.'s Project Team



**HILLTOP GEOTECHNICAL**  
INCORPORATED



# HILLTOP GEOTECHNICAL, INC.

## 2021 SCHEDULE OF FEES

### PERSONNEL CHARGES

Drafting .....	\$73.00/hr.
Certified Payroll .....	\$75.00/week
Word Processing/Clerical .....	\$73.00/hr.
Senior Engineer/Geologist .....	\$205.00/hr.
Project Engineer/Geologist Registered.....	\$200.00/hr.
Staff Engineer/Geologist Non-Registered .....	\$140.00/hr.
Engineer/Geologist Technician .....	\$96.00/hr.
Project Manager .....	\$135.00/hr.
Supervisor.....	\$112.00/hr.
Prevailing Wage - Inspector ICC *, **, *** .....	\$118.00/hr.
Prevailing Wage - Field Technician*, *** .....	\$118.00/hr.
Prevailing Wage - ACI Technician-Concrete*, *** .....	\$118.00/hr.
ICC Special Inspector ** .....	\$80.00/hr.
Engineering Field Technician (Soils and Materials) .....	\$80.00/hr.

\*Prevailing Wage California Labor code § 1720, et seq.

\*Prevailing Wage will increase on July 1<sup>st</sup>, 2021 to reflect DIR Rates.

\*\* Non-Destructive Ultra Sonic Testing surcharge \$12.00/hr.

\*\*\* Department of Industrial Relations, Registration No.: 100011968. Valid Through June 2021

### LABORATORY TESTING FEES\*\*\*\*

#### SOIL TESTING

Chloride Test, .....	\$100.00/ea.
Chunk Density & Moisture .....	\$28.00/ea.
Consolidation Testing	
a) Consolidation - full.....	\$200.00/ea.
b) Consolidation - Remold .....	\$65.00/ea.
c) Consolidation - Single Point .....	\$100.00/ea.
Corrosion Analysis Test (Ph Redox, Resistivity) .....	\$185.00/ea.
Direct Shear Testing	
a) Direct Shear - In-Situ (3 Point) .....	\$265.00/ea.
b) Direct Shear - Remold (3 Point) .....	\$325.00/ea.
Expansion Index Test .....	\$150.00/ea.
Compaction Curves	
4-inch mold (ASTM D1557, Method A or B 4" Mold) .....	\$210.00/ea.
6-inch mold (ASTM D1557, Method C 6" Mold) .....	\$210.00/ea.
Cal Trans 216 .....	\$210.00/ea.
Moisture Content Test .....	\$25.00/ea.
Organic Content Test .....	\$37.00/ea.
Permeability Test .....	Quote
Atterberg Limits Test .....	\$127.00/ea.
Resistance Value Test (R-value) .....	\$300.00/ea.
Resistivity .....	\$111.00/ea.

## 2021 SCHEDULE OF FEES

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Ring Moisture & Density Test .....	\$28.00/ea.
Sand Equivalent Test .....	\$106.00/ea.
Sieve Analysis Test - (Hydrometer) .....	\$212.00/ea.
Sieve Analysis Test - (Full) .....	\$111.00/ea.
Sieve Analysis Test - (-200) .....	\$100.00/ea.
Sulfate Test .....	\$75.00/ea.

### CONCRETE / MASONRY TESTING

Cylinder Compression Test .....	\$36.00/ea.
Cylinder Core, Charge .....	\$35.00/ea.
Cylinder Trim or Capping Charge .....	\$15.00/ea.
Grout/Mortar Compression Test .....	\$45.00/ea.
Masonry Prism Test .....	\$195.00/ea.
Length Change Test, Hardened Hydraulic-Cement Mortar and Concrete ASTM C157 .....	\$780.00/ea.

### ASPHALT TESTING

Asphalt Content - Ignition Oven Premixed AC Sample (CT382) .....	\$185.00/ea.
Asphalt Content / Gradation - Ignition Oven Premixed AC Sample (CT202, CT382) .....	\$260.00/ea.
Hveem Specific Gravity / Stability Value, Premixed AC Sample (CT308, CT366) .....	\$260.00/ea.
Hveem Stability Value - Premixed AC Sample (CT366) .....	\$185.00/ea.
Hveem Specific Gravity / Stability Value (Rubberized Asphalt) Premixed AC Sample (CT308, CT366) .....	\$245.00/ea.
Hveem Stability Value (Rubberized Asphalt) Premixed AC Sample (CT366) .....	\$190.00/ea.
Specific Gravity of Hveem or Core Sample -Uncoated (CT308) .....	\$90.00/ea.
Specific Gravity of Hveem or Core Sample -Coated (CT308) .....	\$102.00/ea.
Determination of Correction Factor for Specific Mix Design .....	\$250.00/ea.

### AGGREGATE TESTING

Specific Gravity and Absorption - Coarse Aggregate (ASTM C127) .....	\$125.00/ea.
Specific Gravity and Absorption - Fine Aggregate (ASTM C128) .....	\$170.00/ea.
Sodium or Magnesium Sulfate Soundness Fine or Coarse Aggregate (ASTM C88), per fraction .....	\$225.00/ea.
Los Angeles Abrasion - Small Size Coarse Aggregate (ASTM C131) .....	\$250.00/ea.
Los Angeles Abrasion - Large Size Coarse Aggregate (ASTM C535) .....	\$275.00/ea.
Durability Index Fine or Coarse Aggregate (Calif 229) .....	\$375.00/ea.
Potential Reactivity of Aggregate - Chemical Method (ASTM C289) .....	\$420.00/ea.

# 2021 SCHEDULE OF FEES

## LABORATORY TESTING FEES, (continued)

Petrographic Examination Fine to Coarse	
Method (ASTM C295) each (Plus Thin-Sections).....	\$1,750.00/ea.
Gradation of Aggregates (ASTM C136) (Calif 202)	
Fine Aggregate Dry Sieve .....	\$110.00/ea.
Fine Aggregate Washed Sieve .....	\$125.00/ea.
Coarse Aggregate Dry sieve .....	\$125.00/ea.
Coarse Aggregate Washed Sieve .....	\$135.00/ea.
Combined Aggregate Dry Sieve .....	\$155.00/ea.
Combined Aggregate Washed sieve .....	\$210.00/ea.
Material Finer than #200 Sieve	
(ASTM C117).....	\$110.00/ea.
Sand Equivalent Test (ASTM D2419) (Calif 217).....	\$110.00/ea.
Flat and Elongated Particles (ASTM D4791) .....	\$210.00/ea.
Clay Lumps and Friable Particles (ASTM C142) .....	\$110.00/ea.
Lightweight Particles (ASTM C123)	
Coat / Lignite (sp gr = 2.00).....	\$110.00/ea.
Chert (sp gr = -2.4) .....	\$110.00/ea.
Organic Impurities in Fine Aggregate (ASTM C40).....	\$75.00/ea.
Cleanness Value (Calif 227) .....	\$180.00/ea.
Unit Weight / Calculated Voids (Fine / Coarse	
/ Mixed Aggregates ) (ASTM C29) .....	\$150.00/ea.
Resistance Value Test (R-Value) (Calif 301)	
Aggregate Base Material. ....	\$300.00/ea.
Potential Alkali Reactivity of Cement-Aggregate	
Combinations (Mortar-Bar Method) (ASTM C227). ....	Quote
Potential Volume Charge of Cement-Aggregate	
Combination (ASTM C342).....	Quote
Potential Reactivity Rock Cylinder Method	
(ASTM C586).....	Quote
Length Change Due to Alkali-Carbonate	
Reactivity (ASTM C1105) .....	Quote
Potential Reactivity Mortar Bar	
(ASTM C1260).....	Quote
Potential Expansion of Aggregates from	
Hydration (ASTM D4792).....	Quote
Aggregate Sampling, Staff Geologist / Engineer	
(Portal to Portal), per hour .....	\$140.00/hr.
Shipping.....	Cost Plus 15%
**** 1.5X Surcharge on rush turn-around for laboratory testing.	

## EQUIPMENT USAGE/RENTAL CHARGES

Core Drilling Bit Wear Charge. ....	\$10.00/core
Pachometer Reinforcement Locator .....	\$50.00/day

# 2021 SCHEDULE OF FEES

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## MINIMUM CHARGES

Engineering Technician .....	4 hours
ICC Special Inspector .....	4 hours
All Inspection Beyond 4 hours .....	6 hours
All Inspection Beyond 6 hours .....	8 hours
Show Up and No Testing or Inspection .....	2 hours
Cancellation of Work After 3:30 pm or same day .....	No Fee
Expedite of Scheduling After 3:00 pm or same day .....	1.5 x hr. rate

## SHIFT DIFFERENTIAL

Second Shift (2PM-12PM) .....	9.50/hr.
Third Shift (10PM-8AM) .....	14.00/hr.

## MILEAGE/TOLL ROAD FEES

Vehicle Mileage.....	\$0.75/mile
Toll Road Charges .....	Invoiced at Cost, plus 10%

## OVERTIME

Overtime at the rate of 1.5 times the applicable hourly rate will be charged for any time more than 8 hours and less than 12 hours in any one day, Monday through Friday, and time before 6:00 a.m. or after 6:00 p.m. and for Saturday work up to 8 hours. Work performed in excess of 12 hours on Monday through Friday, in excess of 8 hours on Saturday, and all work on Sundays or Company recognized Holidays will be charged at 2.0 times the applicable hourly rate.

## COMPANY RECOGNIZED HOLIDAYS

New Year's Day	Veteran's Day
President's Day	Thanksgiving Day
Memorial Day	Day After Thanksgiving
Independence Day	Christmas Day
Labor Day	

## WET SIGNED HARD COPY REPORTS

Reports will be charged at the rate of 60¢ per sheet copied, plus the cost of plan production.

## OUTSIDE SERVICES

Professional services, equipment, or tests not provided by **Hilltop Geotechnical, Inc.** and any unusual items of expense not customarily incurred in our normal operations will be charged at cost plus 15 percent.



## **Michele Shams**

President

### **PROFESSIONAL PROFILE**

Michele Shams, President of MB Professional Services, Inc. has been a principal at MB Professional Services since 2008. Mrs. Shams set out to grow MB Professional Services, Inc. and is committed to ensuring client satisfaction which has resulted in many long-term relationships. She is also deeply involved in the day-to-day operations of the company and works closely with her staff to ensure quality service.



### **RELEVANT PROJECT EXPERIENCE**

#### **Years of Experience:**

**20+**

#### **Education:**

**Cal Poly Pomona  
Bachelor's Degree  
Behavioral Science 2006**

**Keller Graduate School  
Master's Degree's  
Business Administration  
Accounting and Financial  
Management 2011**

#### **Certifications**

**ACI Field Technician 1**

#### **LAWA Automated People Mover Project**

Managing Officer in Charge

Mrs. Shams was responsible for Oversight of this 1.9-Million-dollar Geotechnical Investigation which required drilling and sampling 32 exploratory borings using Rotary Wash, performing CPT tests at 29 locations, measuring suspension P-S velocity in 12 borings, performing laboratory testing, and preparing a Geotechnical Data Report to meet a deadline driven fast pace project with complicated logistics. Her duties included management of field and laboratory testing, ensuring that the geotechnical report was properly prepared and submitted in a timely manner. Through her leadership this project was completed on time and in budget.

#### **Metropolis Phase II: Residential Tower 3**

Project Manager

Mrs. Shams was responsible for overseeing the operations of this 60 story residential tower project. Her duties included scheduling of inspectors, making site visits to ensure quality service, reviewing technical data, laboratory test results and field activities, as well as, conducting quality control of all payroll and billing.

#### **Hollywood Park MU4 Project**

Managing Officer in Charge

Mrs. Shams was responsible for oversight of the day-to-day operations and organization of this 8-Story-High-Rise Media Tower (at Ram Stadium) project. Her duties included management, review of field and laboratory reports, and overseeing payroll and billing.

#### **Expo Line Owner, LLC**

Project Manager

Mrs. Shams was responsible for overseeing the operations of this 8-story-high-rise tower project. Her duties included staff management, reviewing geotechnical reports, laboratory testing data and field activities, and attending planning meetings.

#### **SCLA Runway 17-35 Project**

Managing Officer in Charge

Mrs. Shams is responsible for overseeing the day-to-day operations and organization of this project. Her duties include preparing and providing a QC manual for testing and inspection, staff management, reviewing laboratory testing data and field daily reports, assuring that information requested is provided in a timely manner.





**HILLTOPGEOTECHNICAL, INC.**  
*"A Foundation You Can Build On"*

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[nacoimatech@gmail.com](mailto:nacoimatech@gmail.com) or  
[hilltop@hgeotech.com](mailto:hilltop@hgeotech.com)

## **PAUL CHANG, P.E., G.E.** **SENIOR ENGINEER**

### **EDUCATION**

- UNIVERSITY OF MISSOURI-ROLLA MASTER OF CIVIL ENGINEERING 1983-1984
- NATIONAL TAIPEI UNIVERSITY OF TECHNOLOGY PREVIOUS NATIONAL TAIPEI INSTITUTE OF TECHNOLOGY CIVIL ENGINEERING 1974-1979

### **REGISTRATION**

- Registered Professional Geotechnical Engineer,  
State of California Registration No. 2181
- Registered Professional Engineer, State of  
California Registration No. 40578

### **CERTIFICATES**

- ICC Certified Building Plan Examiner
- Los Angeles County Dams Safety Monitoring  
Program Lead and DSOD compliance liaison

### **PRINCIPAL EXPERIENCE**

- Mr. Chang is a graduate of the University of Missouri - Rolla with a Master of Science degree in Civil Engineering and specialized in geotechnical engineering. He has 30 years of experience in the geotechnical engineering field and related construction management & peer reviews. Mr. Chang has extensive experience with residential, commercial, industrial and public work projects.
- Mr. Chang expertise includes design and construction monitoring of shallow and deep foundations, mechanical stabilized earth (MSE) and convention retaining walls, shoring, structural underpinning works, landslide failure study, pavement and drainage failure investigations, water retaining structures stability and seepage analyses, seismic and soil liquefaction studies, structural fill evaluations, settlement analysis, soil-cement treatment, soil-lime stabilization, shoring design and forensic studies. He has broad experience in hillside developments, LID site assessments and designs, foundation and earth structure failure investigations, value engineering, and project management.
- Mr. Chang is a certified Civil Engineer in California (1986) and Taiwan (1993) and a certified Geotechnical Engineer (1993) in California.
- Mr. Chang is trained to conduct mediations per California Dispute Resolution Programs Act (DRPA) 198

## PROJECT EXPERIENCE

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- **Upland Town Center**

For this on-going project Mr. Chang is responsible for project oversight, coordination of geotechnical services, responding to RFI's and project management.

- **Mt. View Overpass**

For this on-going project Mr. Chang is responsible for project oversight, coordination of geotechnical services, responding to RFI's and project management. Mr. Chang is responsible for uploading project documentation in plan grid/procore systems.

- **KHOV Master Planned Community Indio**

For this on-going Project, which consists of over 3,500 single family dwellings, Mr. Chang is responsible for the coordination of geotechnical services, preparation of geotechnical reports, responding to RFI's, assigning and overseeing laboratory testing. Mr. Chang also was responsible for budget control.

- **Little Dalton Debris Dam Seismic Strengthening Project**

Mr. Chang was responsible for the review of geotechnical reports and analysis. Assisting in project development and coordination of field services.

- **Artesia Marriott Hotel**

As the Project Geotechnical Engineer, Mr. Chang was responsible for the coordination of geotechnical services, preparation of geotechnical reports, responding to RFI's, assigning and overseeing laboratory testing. Mr. Chang also was responsible for budget control.

- **Hermosa Water Line**

Mr. Chang's responsibilities included preparation of a preliminary soils investigation, assigning and overseeing laboratory testing. Mr. Chang also was responsible for budget control.

- **Thompson Creek Dam**

As the Project Geotechnical Engineer, Mr. Chang was responsible for the coordination of geotechnical services, preparation of geotechnical reports, responding to RFI's, assigning and overseeing laboratory testing. Mr. Chang also was responsible for budget control.

- **Malibu Creek Bridge Over Pass**

As the Project Geotechnical Engineer, Mr. Chang was responsible for the coordination of geotechnical services, preparation of geotechnical reports, responding to RFI's, assigning and overseeing laboratory testing. Mr. Chang also was responsible for budget control.



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[m.carrillo@hgeotech.com](mailto:m.carrillo@hgeotech.com)  
[hilltopg@hgeotech.com](mailto:hilltopg@hgeotech.com)

**MICHAEL CARRILLO**  
**PROJECT MANAGER**

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**EDUCATION**

- San Bernardino Valley College- Various course work.

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**CERTIFICATES**

- |   |   |
|---|---|
| <ul style="list-style-type: none"><li>• CPN/Troxler Nuclear Gauge Certification</li><li>• Radiation Safety Officer</li><li>• ACI Certified Technician</li><li>• ACI Certified Trainer</li></ul> | <ul style="list-style-type: none"><li>• ICC Reinforced Concrete/Structural Masonry/Soils</li><li>• ASTM Certified C1064, C172, C143, C138, C231, C173 and C31</li></ul> |
|---|---|

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**PRINCIPAL EXPERIENCE**

- Over 33 years of experience in soils and materials testing for various types of projects. As a supervisor, Mr. Carrillo is responsible for providing overview of construction inspection of soil and concrete on school construction projects, public works projects, and residential, commercial, and industrial developments. He is experienced in field density testing of soils with sand cone, drive tube and nuclear gauge test methods. He is also experienced in concrete, structural masonry and asphalt concrete inspection and testing. He has been a project manager for over 20 years.

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**PROJECT EXPERIENCE**

- **Kitching/Karma Substation, Moreno Valley CA** - Provided grading, post grading, and special inspection inspections. Responsible for observation and density testing during site grading, and post grading including verification of grading over excavation requirements, and sand cone/nuclear gauge density testing of soil, and ACI concrete.
- **Hubbard St., Moreno Valley CA** - Inspected and performed quality assurance testing of utilities trenches 20 feet deep, street widening, asphaltic concrete on grade and batch plant inspection.
- **Terra Lago, Indio CA.** - Provided grading, post grading, and special inspection inspections. Responsible for observation and density testing during site grading, and post grading including verification of grading over excavation requirements, and sand cone/nuclear gauge density testing of controlled fills, trench backfill, and asphaltic concrete.

**HILLTOP GEOTECHNICAL, INC.**

- **Fairmount Park, City of Riverside, CA** - Provided grading, post grading, and special inspections Responsible for observation and density testing during site grading, and post grading including verification of grading over excavation requirements.
- **Pulte Homes, Apple Valley CA** - Provided grading, post grading and special inspection inspections Responsible for observation and density testing during site grading, and post grading including verification of grading over excavation requirements, and sand cone/nuclear gauge density testing of controlled fills, trench backfill and asphaltic concrete.
- **Lyon Homes, Mentone CA** – Provided grading, post grading and special inspections Responsible for observation and density testing during site grading, and post grading including verification of grading over excavation requirements, and sand cone/nuclear gauge density testing of controlled fills, trench backfill and asphaltic concrete.
- **Indian St, Perris CA** - Performed quality assurance testing of checking grade, flow and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade and asphaltic concrete paving and quality assurance testing of soils and paving.
- **UTC Aerospace, Riverside CA** - Performed quality assurance testing of checking grade, and compaction for soil subgrade, aggregate base, finish grade and quality assurance testing of soils and concrete.
- **BNSF Railroad, Niland CA.** - Performed quality assurance testing of checking grade, and compaction for soil subgrade, aggregate base, finish grade and quality assurance testing of soils of railroad.
- **Turnbull Canyon Rd. Hacienda Heights CA** - Performed quality assurance and compaction testing of waterline trenches, street widening, sub grade and base grade.
- **Arrowhead Boulevard Rehabilitation, San Bernardino, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving and quality assurance testing of asphaltic concrete on grade and batch plant inspection and the placement of geo grid and fabric.
- **Bear Valley Mall, Victor Valley, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving.

- **East Valley Water District, San Bernardino, CA** - Soil technician services for various pipeline replacement projects, including pipe trench backfill compaction and concrete testing & asphaltic concrete testing.
- **Perris Boulevard Extension, Moreno Valley, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving.
- **East Highland Ranch, Highland, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade and asphaltic concrete for house slabs, grading, trench testing, and asphaltic concrete compaction testing.
- **Cooley Ranch, Colton, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade and asphaltic concrete paving.
- **Sierra Del Ole, Corona, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving.
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- **Arrowhead Boulevard Rehabilitation, San Bernardino, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving and quality assurance testing of asphaltic concrete on grade and batch plant inspection and the placement of geo grid and fabric.
- **Eagle Glen, City of Corona, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving and quality assurance testing of soils and paving.
- **East Valley Water District, San Bernardino, CA** - Soil technician services for various pipeline replacement projects, including pipe trench backfill compaction and concrete testing & asphaltic concrete testing.
- **Perris Boulevard Extension, Moreno Valley, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving.
- **East Highland Ranch, Highland, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade and asphaltic concrete for house slabs, grading, trench testing, and asphaltic concrete compaction testing.
- **Bear Valley Mall, Victor Valley, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving.
- **Cooley Ranch, Colton, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade and asphaltic concrete paving.
- **Sierra Del Ole, Corona, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving.

- **Del Webb, Indio, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade and asphaltic concrete for house slabs, grading, trench testing, and asphaltic concrete compaction testing.
- **Eagle Point, Big Bear, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks, and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving and quality assurance testing of soils and paving.
- **Riverside Airport Rehabilitation, Riverside, CA** - Inspected and performed quality assurance testing of asphaltic concrete on grade and batch plant inspection.
- **Daggett Airport, Daggett, CA** - Soils/Laboratory Technician - Inspected and performed quality assurance testing of asphaltic concrete on grade and batch plant inspection.
- **Pier 1 Warehouse, Mira Loma, CA** - Provided soils quality assurance testing of structural backfill for 750,000-sqf warehouse building.
- **Shadow Hills, Indio, CA** - Performed supervision for grading technicians and material inspectors for post tension concrete placement.
- **Talavera, Indio, CA** - Performed supervision for grading technicians and material inspectors for post tension concrete placement.



**HILLTOP GEOTECHNICAL, INC.**  
*"A Foundation You Can Build On"*

San Bernardino Office  
786 S. Gifford Avenue  
San Bernardino, California 92408  
Tel.: (909) 890-9079 Fax (909) 890-9055  
[j.lantosh@hgeotech.com](mailto:j.lantosh@hgeotech.com) or  
[hilltopg@hgeotech.com](mailto:hilltopg@hgeotech.com)

**MANUEL BAEZA**  
**LEAD INSPECTOR**

**EDUCATION**

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- Mount San Jacinto College – General Education.

**CERTIFICATES**

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<ul style="list-style-type: none"><li>• CPN/Troxler Nuclear Gauge Certification</li><li>• Radiation Safety Officer</li><li>• ACI Certified Technician</li><li>• ACI Certified Trainer</li></ul>	<ul style="list-style-type: none"><li>• ICC Reinforced Concrete/Soils</li><li>• ASTM Certified C1064, C172, C143, C138, C231, C173 and C31</li></ul>
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**PRINCIPAL EXPERIENCE**

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With over 6 years' experience in observation/inspection and testing of soils and reinforced concrete for various types of projects. As an ICC Special Inspector, Mr. Baeza is responsible for providing inspection and quality control of soil, and concrete on public works projects, residential, commercial, and industrial developments. He is experienced in field density testing of soils with sand cone and nuclear gauge test methods. He is also experienced in concrete, masonry, and asphalt concrete inspection.

**PROJECT EXPERIENCE**

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**Hubbard St., Moreno Valley CA** - Inspected and performed quality assurance testing of utilities trenches 20 feet deep, street widening, asphaltic concrete on grade and batch plant inspection.

**San Bernardino International Airport Demolition Pad, CA.** - Provided grading, post grading, and special inspection inspections. Responsible for observation and density testing during site grading, and post grading including verification of grading over excavation requirements, and sand cone/nuclear gauge density testing of controlled fills, trench backfill, asphaltic concrete and PCC concrete taxiway inspections.



## PROJECT EXPERIENCE

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**Chino Hills State Park, CA.** - Provided grading, post grading, and special inspection inspections. Responsible for observation and density testing during site grading, soil nail walls, utility trench backfills, soil abutments, and asphaltic concrete.

**San Bernardino District Attorney Parking Structure CA.** - Provided grading and special inspection of reinforced concrete. He was responsible for observation and density testing during site grading, and post grading including verification of grading over excavation requirements, and sand cone/nuclear gauge density testing of controlled fills, trench backfill and asphaltic concrete. Additionally, special inspections were performed on Reinforced Concrete of the 2-story parking structure.

**Terra Lago, Indio CA.** - Provided grading, post grading, and special inspection inspections. Responsible for observation and density testing during site grading, and post grading including verification of grading over excavation requirements, and sand cone/nuclear gauge density testing of controlled fills, trench backfill, and asphaltic concrete.

**Kitching/Karma Substation, Moreno Valley CA** - Provided grading, post grading, and special inspection inspections. Responsible for observation and density testing during site grading, and post grading including verification of grading over excavation requirements, and sand cone/nuclear gauge density testing of soil, and ACI concrete.

**Fairmount Park, City of Riverside, CA** - Provided grading, post grading, and special inspections Responsible for observation and density testing during site grading, and post grading including verification of grading over excavation requirements.

**Indian St, Perris CA** - Performed quality assurance testing of checking grade, flow and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade and asphaltic concrete paving and quality assurance testing of soils and paving.

**Arrowhead Boulevard Rehabilitation, San Bernardino, CA** - Performed quality assurance testing of checking grade, flow, joints, thrust blocks and compaction for sewer and water pipelines, and soil subgrade, aggregate base, finish grade, and asphaltic concrete paving and quality assurance testing of asphaltic concrete on grade and batch plant inspection and the placement of geo grid and fabric.

**UTC Aerospace, Riverside CA** - Performed quality assurance testing of checking grade, and compaction for soil subgrade, aggregate base, finish grade and quality assurance testing of soils and concrete.



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[k.beath@hgeotech.com](mailto:k.beath@hgeotech.com)  
[hilltopg@hgeotech.com](http://hilltopg@hgeotech.com)

## KEVIN R. BEATH LABORATORY MANAGER

### EDUCATION

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- Chaffey College - Various Course work.  
Rancho Cucamonga, Ca, 1978
- San Bernardino Valley College- Various Course work  
San Bernardino, Ca, 1986

### CERTIFICATES

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- |  |   |
|--|---|
| • Concrete Field Testing Technician,<br>ACI#100822, 7/16/2021                    | • ASTM Certified C29, C31, C39, C40, C117,<br>C127, C128, C136, C138, C143, C172, C173,<br>C231, C566, C617, C702, C1064, C1231, D75                                |
| • Concrete Laboratory Testing Technician,<br>Hilltop Geotechnical Inc, 7/25/2023 | • CALTRANS Certified CTM's 105, 125AC,<br>125AGG, 125PCC, 201, 202, 216, 217, 226,<br>227, 301, 304, 308, 366, 382, 504, 518, 521,<br>533, 539, 540, 543, 556 & 557 |
| • Nuclear Gauge Training Class, June, 2004                                       |   |

### PRINCIPAL EXPERIENCE

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Over 18 years of experience in geotechnical testing and construction materials quality control. His service as Laboratory Manager has provided him with a high degree of technical experience, and effective administration experience while managing tasks and technical personnel. Mr. Beath has also acted as a Field Technician when called upon for the company's needs.

Mr. Beath has been involved with the geotechnical testing aspect of many diverse projects. His experience of testing covers a varied range including A.S.T.M., A.A.S.T.H.O and Caltrans testing methods. All laboratory testing is primarily related to soil, aggregate, concrete and asphalt materials. Light "Field Tech" experience includes compaction testing of curb and gutters, sewer backfill and paving materials. Mr. Beath also has experience in concrete field inspection work, such as fabrication of cylinder, testing of slump, air content and unit weight of P.C.C.

**HILLTOP GEOTECHNICAL, INC.**

## PROJECT EXPERIENCE

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- **Del Webb's Sun City Palm Desert Project** – The project in Palm Desert represents one of Del Webb's premier retirement communities. Mr. Beath has been involved in both field and laboratory testing on this project. Compaction testing, fabrication of concrete test, and soils chemical testing were conducted for the project. (Both ASTM and CALTRANS laboratory testing)
- **Dreacea, Street Improvement, Moreno Valley, CA** - Provided concrete inspection service and fabrication of test cylinder for sidewalk and curbs. Also laboratory testing of asphalt used on site.
- **KZ Holding, 7-11, Lugonia Avenue, Redlands, CA** - Provided concrete inspection services and fabrication of test cylinders for footings, floor slab and sidewalks.
- **Universal Truss, Fontana, CA** - Provided asphalt inspection services and compaction testing. Also provided laboratory testing services for asphalt sample obtained from the project.
- **I-10 at California Street, Street Improvement, Redlands, CA** - Provided batch plant inspection for concrete trucks loaded for the project site.
- **Orange at Boulder Avenue, Street Improvement, Highland, CA** - Provided concrete inspection services and fabrication of test cylinder for light standards.
- **Riverside Unified School District, Riverside, CA**-Provided laboratory testing support services for Site expansion projects for various school in the district. Provided laboratory testing on soil sample brought in from the various sites. Testing Included but not limited to Maximum Density @ Optimum Moisture, Expansion Index Sieve Analysis, Ring Density, Moisture Content, Sand Equivalent, Sulfate, Chloride, Resistivity, PH, Consolidation, and Plasticity Index.
- **Shadow Hills, Palm Desert, CA**-Provided laboratory testing support services for HGI's Preliminary Investigation and on-going production. Laboratory testing including but not limited to Maximum Density (ASTM & Caltrans), Ring Density, Sieve Analysis, Expansion Index, Consolidation, Plasticity Index, Sand Equivalent, Chemical Testing, R-Value, also Compressive Strength of Concrete Cylinders, Grout Prisms and Mortar Cylinder.
- **Talavera by D.R. Horton, Indio, CA**-Provided laboratory testing support services for HGI's Preliminary Investigation and on-going production of a residential community. Laboratory testing including but not limited to, Max. Density, Ring Density, Chunk Density, Moisture Contents, Expansion Index, Sand Equivalent, Consolidation, Sulfate, Chemical testing for corrosive soils, Plasticity Index, Sieve Analysis,

HILLTOP GEOTECHNICAL, INC.

Soil Classification, Direct/Remolded Shears, R-Values and Compressive Strength Testing of Concrete, Grout and Mortar test specimens

- **Rancho Summit, Pulte Homes at Rancho Cucamonga, CA**-Provided laboratory testing support services for HGI's Preliminary Investigation and On-going Production of a residential community. Laboratory testing including but not limited to Max. Density, Ring Density, Moisture Contents, Expansion Index, Plasticity Index, Sand Equivalent, Consolidation, Sieve Analysis, Sulfate, Chemical testing for corrosive soils and R-Values.
- **Fontana Courthouse**-Provided laboratory testing support services for HGI's geotechnical engineering and Special Inspection, Compaction testing of soils and laboratory quality assurance testing services for a \$6.4 million expansion and remodel project for the County of San Bernardino A & E department.
- **Highland Library and Learning Center** - Provided laboratory testing support services including limited geotechnical studies, project management, geotechnical engineering and Special Inspection, Compaction testing of soils and laboratory quality assurance testing services for a \$12.4 million construction of a new 32,000 sq. ft. library project for the City of Highland, CA.
- **Crestline Library**-Provided laboratory testing support services for HGI's geotechnical engineering and Special Inspection, Compaction testing of soils and laboratory quality assurance testing services for a \$5.4 million construction of a new library project for the County of San Bernardino A & E department.
- **Highland Police Station**-Provided geotechnical services including limited geotechnical studies, project management, geotechnical engineering and Special Inspection, Compaction testing of soils and laboratory quality assurance testing services for a \$8 million construction of a 2 building, 4.5 acre, 36,000 total sq. ft. Leed certified police complex project for the City of Highland, CA.
- **New Fire Station #10**-Provided laboratory testing support services for HGI's geotechnical engineering and Special Inspection, Compaction testing of soils and laboratory quality assurance testing services for a new fire station on Beekley road, in Phelan, CA. for the County of San Bernardino, Special Districts department.
- **Renck CC Project at City of Riverside's Hunt Park**-Provided laboratory testing support services for HGI's geotechnical engineering and Special Inspection, Compaction testing of soils and laboratory quality assurance testing services for a \$5.26 million construction of a 15,7745 Sq Ft building, 13.7 acre, community center and Gymnasium for the City of Riverside's Park & Recreation department.
- **Victorville Court House** - Provided laboratory testing support services for HGI's geotechnical engineering, and Special Inspection, Compaction testing of soils and laboratory quality assurance testing services for the County of San Bernardino.

# Certificate of Training

THIS IS TO CERTIFY THAT

**Kevin R. Beath**

HAS DEMONSTRATED KNOWLEDGE AND ABILITY BY SUCCESSFULLY COMPLETING THE  
CERTIFICATION REQUIREMENTS AS A  
**CONCRETE LABORATORY TESTING TECHNICIAN - GRADE 1**

PRESENT BY

**HILLTOP GEOTECHNICAL, INC.**

EXAM DATE: 7-25-2018

EXPIRES: 7-25-2023

EXAMINER: \_\_\_\_\_

  
**MAIHAN NOORZAY, PE, GE**  
PRINCIPAL ENGINEER

# AMERICAN CONCRETE INSTITUTE

*This is to certify that*

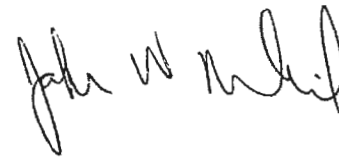
**KEVIN R BEATH**

*has demonstrated knowledge and ability by  
successfully completing the ACI Certification  
requirements and is hereby recognized as an*

**ACI Concrete Field Testing Technician - Grade I**

**Certified Date: 07/16/2016      Expires: 07/16/2021**

**Examiner of Record: William J Rider**



*ACI Managing Director of Certification*

*The Authenticity of this certification can be verified at [www.ACICertification.org/verify](http://www.ACICertification.org/verify)*

## TESTING TECHNICIAN AND EVALUATION RECORD

All laboratory and field quality control managers or supervisors are responsible for evaluating and documenting the testing technician competency. Prior to submitting a technician for qualification and certification, and at least once per year, each technician will demonstrate the California Test (CT) and/or AASHTO test and/or ASTM test procedure for which he/she has been trained to perform. This will include test mechanics, performance, paperwork and all required calculations. If a technician does not routinely perform a test it may be necessary to evaluate his or her competency to perform the test more often. Each technician's competency shall be evaluated prior to performing the test and prior to submittal for testing technician qualification. Copies of the results of competency evaluations will be distributed as necessary. Competency evaluation records shall be retained as detailed in the Laboratory Quality Control Manual.

For each testing technician, the supervisor shall record the test demonstrated, test revision date, type (initial or other), mechanics, performance, paperwork, calculations, training or evaluation date, and the results of the evaluation (satisfactory or unsatisfactory). In addition, the supervisor shall sign each entry on the evaluation record.

If an unsatisfactory result is recorded for a specific test, the supervisor will document and discuss all observed deviations from the standard CT or AASHTO or ASTM procedure with the testing technician, observe the technician redemonstrate the test procedure, calculations, and paperwork, and record the results as indicated above.

Last Name:		BEARD		First Name:		KEVIN		Start Date:		3-11-02	
Test Method	Revision Date	Train/Eval Initial Other		Test Mechanics & Performance	Test Paperwork & Calculations	Evaluated By		Train/Eval Date	Results/Comments		
ASTM											
D 6938	-17A		✓	OK	OK	AA		4-2-02	PASS		
D 1556M	-15c		✓								
D 1557	-12		✓								
D 75	-19		✓								
D 1140	-17		✓								
D 2419	-14		✓								
D 2488	-17c		✓								
C 39M	-18		✓								
G 617M	-15		✓								
C 1231M	-15		✓								
C 566	-19		✓								

*atg Reel*

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Last Name:		First Name:		Start Date:			
BEATH		KEVIN		3-11-02			
Test Method	Revision Date	Train/Eval Initial Other	Test Mechanics & Performance	Test Paperwork & Calculations	Evaluated By	Train/Eval Date	Results/Comments
ASTM 5							
C31M	-19		✓	OK	AA	4-3-20	PASS
C138M	-17A		✓				
C143M	-15A		✓				
C172M	-17		✓				
C173M	-16		✓				
C231M	-17A		✓				
C1064M	-17		✓				

axsg fllh



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Last Name: <u>BEADY</u>		First Name: <u>KEVIN</u>		Start Date: <u>3-11-02</u>				
Test Method	Revision Date	Train/Eval Initial Other	Test Mechanics & Performance	Test Paperwork & Calculations	Evaluated By	Train/Eval Date	Results/Comments	
<u>ASTM</u>								
<u>C29</u>	<u>-17A</u>		<u>✓</u>	<u>OK</u>	<u>OK</u>	<u>HA</u>	<u>4-3-20</u>	<u>PASS</u>
<u>C40</u>	<u>-19</u>		<u>✓</u>					
<u>C117</u>	<u>-17</u>		<u>✓</u>					
<u>C127</u>	<u>-15</u>		<u>✓</u>					
<u>C128</u>	<u>-15</u>		<u>✓</u>					
<u>C136</u>	<u>-19</u>		<u>✓</u>					
<u>C702</u>	<u>-18</u>		<u>✓</u>					

*cbg kch*

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Last Name:		DEATH		First Name:		KEVIN		Start Date:		3-11-02	
Test Method	Revision Date	Train/Eval Initial Other		Test Mechanics & Performance	Test Paperwork & Calculations	Evaluated By		Train/Eval Date	Results/Comments		
ASTM											
D6938	2017A		✓	PASS	PASS	MM		4-4-19	SATISFACTORILY		
D1556	2015E1		✓								
D1557	2012E1		✓								
D75	2014		✓								
D1140	2017		✓								
D2419	2014		✓								
D2488	2017E1		✓								
C39	2018		✓								
C617M	2015		✓								
C1231M	2015		✓								
C566	2013		✓								

## TYPICAL TESTING TECHNICIAN AND EVALUATION RECORD

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Last Name:		First Name:		Start Date:				
Test Method	Revision Date	Train/Eval Initial	Other	Test Mechanics & Performance	Test Paperwork & Calculations	Evaluated By	Train/Eval Date	Results/Comments
ASTM								
C 117	2017		✓	PASS	PASS	MLR	4-5-19	SATISFACTORY
C 127	2015		✓					
C 128	2015		✓					
C 136M	2014		✓					
C 172M	2017		✓					
C 173M	2016		✓					
C 143M	2015A		✓					
C 231M	2017A		✓					
C 138M	2017A		✓					
C 40	2016		✓					
C 702M	2018		✓					

## TYPICAL TESTING TECHNICIAN AND EVALUATION RECORD

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[illegible]

# **RESUME**

Shaofu Chen

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## **REGISTRATION/CERTIFICATIONS**

- ◆ Professional Engineer (P.E. C76834)
- ◆ Certified Engineering Geologist (C.E.G. 2688)
- ◆ Professional Geologist (P.G. 8536)

## **SUMMARY OF QUALIFICATIONS**

- Over 15 years of professional experiences in geotechnical engineering investigations and recommendations for residential and commercial development, school and hospital construction, and public work projects and environmental investigation and contaminated soil and groundwater remediation;
- Two Master Degrees in Geotechnical Engineering and Environmental Geology;
- Proven ability to perform engineering analyses and feasibility study for large scale public development and had relevant experiences;
- Experience in subsurface exploration, field and lab data evaluation, report preparation, and field inspection;
- Experience in recommendations for mass grading, compaction, and foundation design;
- Experience in project management including project bid preparation, bid evaluation, consultant selection, and budget management;
- Experience in environmental assessment including site characterization and hydrogeologic assessment for sites impacted with contaminants, such as petroleum hydrocarbons, chlorinated chemicals, pesticides, heavy metals, etc. and remedial system design and implementation;
- Excellent computer skills in application software (SLIDE, EZ-Frisk, Word, Access, Excel, Power Point, CorelDraw, AutoCAD, Photoshop, etc.), programming languages (FORTRAN, JAVA, C/C++, etc.) and operation systems (Windows, Unix, etc.)

## **PROFESSIONAL EXPERIENCE**

### **Principal Engineer/Geologist, MTC Engineering, Temple City, June 2015-March 2021**

- Review field exploratory records and evaluate site conditions;
- Generate geologic cross-sections, model hill slopes, and conduct slope stability analyses using computer software;
- Direct AP fault study and feasibility evaluation of the project;
- Perform liquefaction studies for proposed developments in designated liquefaction zone including calculating potential settlement and recommending remediation methods;
- Conduct geotechnical engineering analysis, recommend slope stabilization methods and feasible foundation design, and compile geologic and geotechnical engineering report;
- Review and approve foundation design plans and grading & drainage plans;
- Conduct environmental site assessment and provide remedial action for site cleanup;

### **Project Manager, Thrifty Oil Co., Santa Fe Springs, Dec. 2010-May 2015**

- Direct and coordinate site environmental assessments and remedial feasibility studies for gasoline stations and petroleum refinery;
- Prepare remedial action plans and direct remediation system designs, installations, and operation & maintenance for gasoline stations;
- Prepare site assessment work plans, site assessment reports, pilot testing reports, groundwater monitoring reports, and remediation system performance reports, etc.;
- Monitor remedial activities for each site to ensure compliance with permits;
- Review technical reports prepared by consultants;
- Prepare packages for bids and evaluate bids and issues the purchase orders;
- Monitor and control expenses for each remediation site;
- Communicate with local and state agencies and recommend for various remedial actions to lead case closures;

**Senior Engineer/Geologist, Hydrologue, Inc., Pasadena, Jan. 2005-Nov. 2010**

- Review site topo and geologic map, aerial photos and hydrogeologic background and prepare cost proposal/bid;
- Perform site investigation including geologic structure mapping, drilling, test pit, sampling, fault trench, percolation test, etc.;
- Direct lab testing and conduct seismic risk analysis, slope stability and liquefaction potential analysis if needed;
- Prepare figures and compile soil report, which includes recommendations for foundation type and design criteria, expected total and differential settlement, compacted fill materials and testing, special design and construction provisions for mitigation of the effects of special site conditions, etc.;
- Review & modify civil and engineering plan in conformity with recommendations;
- Perform Phase I and Phase II environmental assessment including site characterization and hydrogeologic assessment for sites impacted with contaminants, such as petroleum hydrocarbons, chlorinated chemicals, pesticides, heavy metals, etc.;
- Typical projects such as upgrading and seismic retrofitting for Pasadena City Hall, re-development of Pasadena Power Plant, numerous re-development projects for Pasadena Unified School District and Chaffey Joint Union High School District, etc.;

**Research Engineer, Center for Protective Technology, Singapore,  
August 1997-July 2000**

- Perform site characterization including site geologic specifications, building & substructure distribution, and mechanical property testing for soil and rock;
- Develop a 3-D dynamics finite element software with creative algorithm to simulate soil-structure interaction under dynamic loading;
- Model ground shock impact on building and substructure due to underground magazine blasting and compute inhibition distance of structure;
- Simulate surface explosion impact on underground protective structures and recommend solutions for improvement;

**EDUCATION**

- ♣ Master of Engineering in Civil Engineering, National University of Singapore;
- ♣ Master of Science in Environmental Geology, East China Normal University, China;
- ♣ Bachelor of Science in Engineering Geology, Zhongshan University, China;

Ever participated and completed the major public projects in the following:

1. Upgrading and seismic retrofit of Pasadena City Hall (2005-2007). As one team member, I conducted a geotechnical investigation, compiled geotechnical report, and foundation inspection, and mass grading.
2. Major plant expansion of Pasadena Power Plant (2007-2008). As a major investigator, I performed a geotechnical and environmental investigation including sampling and compiled report.
3. East Pasadena Major Transmission Tower for City of Pasadena (2009). As a major investigator, I conducted a geotechnical investigation and compile report.
4. Re-pavement of Sports Track and Upgrade of Sport Field for John Muir High School in Pasadena Unified School District (2009). As a major investigator, I performed a geotechnical investigation and compiled the soil report.
5. Auditorium Hall Addition for San Rafael Elementary School (2009). As a major investigator, I conducted a geotechnical investigation including liquefaction and fault studies and compiled the soil report.
6. Auditorium Hall Addition and Upgrade of Sport Field for San Gabriel Middle School (2009-2010). As a major investigator, I conducted a geotechnical and environmental investigations and compiled the geotechnical report and environmental assessment report.
7. Auditorium Hall Addition of Ontario High School (2010). As a major investigator, I conducted a geotechnical and environmental investigation and compiled the investigation reports.
8. Geotechnical and Environmental Investigations for Development of Sulphur Spring Elementary School in Santa Clarita (2005-2006). As a major team member, I performed field exploration, sampling, environmental monitoring and sampling, and compiled the soil report and environmental assessment report, and oversaw mass grading.





**HILLTOP GEOTECHNICAL, INC.**  
*"A Foundation You Can Build On"*

San Bernardino Office  
786 S. Gifford Avenue  
San Bernardino, California 92408  
Tel.: (909) 890-9079 Fax (909) 890-9055  
[a.hulett@hgeotech.com](mailto:a.hulett@hgeotech.com) or  
[hilltopg@hgeotech.com](mailto:hilltopg@hgeotech.com)

## **ASHLEY HULETT GEOLOGIST**

### **EDUCATION**

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- B.S., Geology, California State University San Bernardino
- B.S., Environmental Geology California State University San Bernardino
  - Honors class of December 2010
  - Graduate level Neotectonics

### **REGISTRATION**

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- Geologist-In-Training GIT No. 574
- Professional Geologist PG No. 9533
- Loss Prevention Seminar / WQMP
- Loss Prevention Seminar 2012
- Published - L.A. Times June 2019

### **CERTIFICATES**

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- Troxler Nuclear Gauge
- RSO Safety Officer
- Hazmat Training for Nuclear Gauges
- Annual Audit
- Arc GIS Module 1-8 completion
- ACI Concrete Field Testing Technician – Grade 1

### **PRINCIPAL EXPERIENCE**

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Ms. Hulett has been an employee of Hilltop Geotechnical since October of 2009. Her service as a geologist has provided her knowledge and technical expertise in the many areas of geology, as well as effective administration experience and field techniques and etiquette. Her level of knowledge attained from working as an employee at Hilltop Geotechnical Inc. is vast. Her career began in a secretarial position and over time she became a field technician and in the past five to six years has essentially found experience ranging from various geologic inspections to fault investigations. Her primary experience has included field mapping, field exploration, geological analysis and interpretation, cross-section construction, laboratory testing and report writing.

### **PROJECT EXPERIENCE**

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#### **Technician Observation & Testing Experience**

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- Waterline Trench Backfill, Sidewalk Subgrade, Curb & Gutter Subgrade and Base Grade, Retaining Wall Backfill, Asphalt HMA Concrete Placement, Street Subgrade & Base Grade, Rough Mass Grading,

**HILLTOP GEOTECHNICAL, INC.**

- Driveway Subgrade, Slope Repair, Observation and Testing, San Bernardino, Running Springs, Rialto, Highland, Loma Linda, Indio, Apple Valley, Hesperia, Fontana, Moreno Valley.
- Concrete Fabrication of Cylinders Observation and Testing, Airplane Demo Site, San Bernardino,
- Caissons, Moreno Valley, Light Pole Footings, Redlands, Drive Approach, San Bernardino Street Coring, Materials Sampling, Analysis, Report Preparation and Drafting, Various Streets, City of Riverside, Various Streets, City of Moreno Valley

### Geotechnical Experience

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- Fault Trench Logging and Interpretation, Chino Hills
- Slope Stability Investigation, Drilling & Geologic Mapping, Sand and Aggregate Mine, Corona
- Slope Repair, Geologic Inspections, Home Improvement, Lake Arrowhead
- Trenching, Geologic Interpretation, Hazard Analysis, Preliminary Geotechnical Study, Residential Development, Mentone
- Geologic Mapping, Boring, Retention Basin Testing, Preliminary Geotechnical Report, Afton
- Double Ring Infiltrometer Testing, Fire Station, Highland
- Caisson Inspections, Los Angeles, Chino Hills
- Geologic Interpretation & Double Ring Infiltrometer Testing, Multi-residential Tract, La Quinta
- Septic System Design, Single Family Residence, Percolation Testing, Cherry Valley
- Mechanically Stabilized Earth (MSE) Wall Investigation, Borings & Geology, Riverside
- Building Relocation, Borings & Geology, Ontario
- Pavement, Storm Drain and Sidewalk Renovations, Borings & Geology, Big Bear
- Storm Drain Replacement Project Investigation, Borings & Geology, Moreno Valley
- Warehouse Addition, Soils Investigation, Borings & Geology, San Bernardino
- Culvert and Storm Drain Addition, Trenching & Geology, San Bernardino
- Deep Percolation Testing & Analysis, Hesperia
- Aerial Photographic Analysis, Various, Chino Hills, La Quinta

### Fault Study Experience

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- Fault Investigation, Trench Logging, Geologic Mapping & Geologic Interpretation, Chino Hills
- Fault Investigation, Trench Logging, Geologic Mapping & Geologic Interpretation, Redlands
- Fault Investigation, Geologic Mapping & Geology, Crestline
- Fault Investigation, Geologic Mapping & Geology, Landers

### Environmental Experience

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- Groundwater Sampling, Discrete Organic Sampling, Mid-Fraction Waste Characterization, Purity Analysis, Victorville
- Assisting in Phase 1 Environmental Assessments Field and Analysis, San Bernardino
- Phase II Sampling and Analysis, Redlands, Mentone

## TYPICAL TESTING TECHNICIAN AND EVALUATION RECORD

All laboratory and field quality control managers or supervisors are responsible for evaluating and documenting the testing technician competency. Prior to submitting a technician for qualification and certification, and at least once per year, each technician will demonstrate the California Test (CT) and/or AASHTO test and/or ASTM test procedure for which he/she has been trained to perform. This will include test mechanics, performance, paperwork and all required calculations. If a technician does not routinely perform a test it may be necessary to evaluate his or her competency to perform the test more often. Each technician's competency shall be evaluated prior to performing the test and prior to submittal for testing technician qualification. Copies of the results of competency evaluations will be distributed as necessary. Competency evaluation records shall be retained as detailed in the Laboratory Quality Control Manual.

For each testing technician, the supervisor shall record the test demonstrated, test revision date, type (initial or other), mechanics, performance, paperwork, calculations, training or evaluation date, and the results of the evaluation (satisfactory or unsatisfactory). In addition, the supervisor shall sign each entry on the evaluation record.

If an unsatisfactory result is recorded for a specific test, the supervisor will document and discuss all observed deviations from the standard CT or AASHTO or ASTM procedure with the testing technician, observe the technician redemonstrate the test procedure, calculations, and paperwork, and record the results as indicated above.

Last Name:		NUZZI		First Name:		ASULLY		Start Date:		10-2-09	
Test Method	Revision Date	Train/Eval Initial Other		Test Mechanics & Performance	Test Paperwork & Calculations	Evaluated By		Train/Eval Date	Results/Comments		
ASTM 5											
C31M	-19		✓	OK	OK	KRB		2-10-10	PASS		
C138M	-17A		✓								
C143M	-15A		✓								
C172M	-17		✓								
C173M	-16		✓								
C231M	-17A		✓								
C1064M	-17		✓	↓	↓	↓		↓	↓		



**EXHIBIT “B”**  
**COMPENSATION**



# HILLTOP GEOTECHNICAL, INC.

## 2021 SCHEDULE OF FEES

### PERSONNEL CHARGES

Drafting .....	\$73.00/hr.
Certified Payroll .....	\$75.00/week
Word Processing/Clerical .....	\$73.00/hr.
Senior Engineer/Geologist .....	\$205.00/hr.
Project Engineer/Geologist Registered.....	\$200.00/hr.
Staff Engineer/Geologist Non-Registered .....	\$140.00/hr.
Engineer/Geologist Technician .....	\$96.00/hr.
Project Manager .....	\$135.00/hr.
Supervisor.....	\$112.00/hr.
Prevailing Wage - Inspector ICC *, **,*** .....	\$118.00/hr.
Prevailing Wage - Field Technician*,*** .....	\$118.00/hr.
Prevailing Wage - ACI Technician-Concrete*,*** .....	\$118.00/hr.
ICC Special Inspector ** .....	\$80.00/hr.
Engineering Field Technician (Soils and Materials) .....	\$80.00/hr.

\*Prevailing Wage California Labor code § 1720, et seq.

\*Prevailing Wage will increase on July 1<sup>st</sup>, 2021 to reflect DIR Rates.

\*\* Non-Destructive Ultra Sonic Testing surcharge \$12.00/hr.

\*\*\* Department of Industrial Relations, Registration No.: 100011968. Valid Through June 2021

### LABORATORY TESTING FEES\*\*\*\*

#### SOIL TESTING

Chloride Test, .....	\$100.00/ea.
Chunk Density & Moisture .....	\$28.00/ea.
Consolidation Testing	
a) Consolidation - full.....	\$200.00/ea.
b) Consolidation - Remold .....	\$65.00/ea.
c) Consolidation - Single Point .....	\$100.00/ea.
Corrosion Analysis Test (Ph Redox, Resistivity) .....	\$185.00/ea.
Direct Shear Testing	
a) Direct Shear - In-Situ (3 Point) .....	\$265.00/ea.
b) Direct Shear - Remold (3 Point) .....	\$325.00/ea.
Expansion Index Test .....	\$150.00/ea.
Compaction Curves	
4-inch mold (ASTM D1557, Method A or B 4" Mold) .....	\$210.00/ea.
6-inch mold (ASTM D1557, Method C 6" Mold) .....	\$210.00/ea.
Cal Trans 216 .....	\$210.00/ea.
Moisture Content Test .....	\$25.00/ea.
Organic Content Test .....	\$37.00/ea.
Permeability Test .....	Quote
Atterberg Limits Test .....	\$127.00/ea.
Resistance Value Test (R-value) .....	\$300.00/ea.
Resistivity .....	\$111.00/ea.

## 2021 SCHEDULE OF FEES

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Ring Moisture & Density Test .....	\$28.00/ea.
Sand Equivalent Test .....	\$106.00/ea.
Sieve Analysis Test - (Hydrometer) .....	\$212.00/ea.
Sieve Analysis Test - (Full) .....	\$111.00/ea.
Sieve Analysis Test - (-200) .....	\$100.00/ea.
Sulfate Test .....	\$75.00/ea.

### CONCRETE / MASONRY TESTING

Cylinder Compression Test .....	\$36.00/ea.
Cylinder Core, Charge.....	\$35.00/ea.
Cylinder Trim or Capping Charge .....	\$15.00/ea.
Grout/Mortar Compression Test .....	\$45.00/ea.
Masonry Prism Test .....	\$195.00/ea.
Length Change Test, Hardened Hydraulic-Cement	
Mortar and Concrete ASTM C157 .....	\$780.00/ea.

### ASPHALT TESTING

Asphalt Content - Ignition Oven	
Premixed AC Sample (CT382) .....	\$185.00/ea.
Asphalt Content / Gradation - Ignition Oven	
Premixed AC Sample (CT202, CT382) .....	\$260.00/ea.
Hveem Specific Gravity / Stability Value,	
Premixed AC Sample (CT308, CT366) .....	\$260.00/ea.
Hveem Stability Value - Premixed AC Sample (CT366) .....	\$185.00/ea.
Hveem Specific Gravity / Stability Value (Rubberized Asphalt)	
Premixed AC Sample (CT308, CT366) .....	\$245.00/ea.
Hveem Stability Value (Rubberized Asphalt)	
Premixed AC Sample (CT366) .....	\$190.00/ea.
Specific Gravity of Hveem or Core Sample -Uncoated (CT308) .....	\$90.00/ea.
Specific Gravity of Hveem or Core Sample -Coated (CT308) .....	\$102.00/ea.
Determination of Correction Factor for Specific Mix Design .....	\$250.00/ea.

### AGGREGATE TESTING

Specific Gravity and Absorption - Coarse	
Aggregate (ASTM C127) .....	\$125.00/ea.
Specific Gravity and Absorption - Fine	
Aggregate (ASTM C128) .....	\$170.00/ea.
Sodium or Magnesium Sulfate Soundness	
Fine or Coarse Aggregate (ASTM C88), per fraction .....	\$225.00/ea.
Los Angeles Abrasion - Small Size Coarse	
Aggregate (ASTM C131) .....	\$250.00/ea.
Los Angeles Abrasion - Large Size Coarse	
Aggregate (ASTM C535) .....	\$275.00/ea.
Durability Index Fine or Coarse Aggregate	
(Calif 229).....	\$375.00/ea.
Potential Reactivity of Aggregate - Chemical	
Method (ASTM C289) .....	\$420.00/ea.



# 2021 SCHEDULE OF FEES

## LABORATORY TESTING FEES, (continued)

Petrographic Examination Fine to Coarse	
Method (ASTM C295) each (Plus Thin-Sections).....	\$1,750.00/ea.
Gradation of Aggregates (ASTM C136) (Calif 202)	
Fine Aggregate Dry Sieve.....	\$110.00/ea.
Fine Aggregate Washed Sieve .....	\$125.00/ea.
Coarse Aggregate Dry sieve .....	\$125.00/ea.
Coarse Aggregate Washed Sieve .....	\$135.00/ea.
Combined Aggregate Dry Sieve .....	\$155.00/ea.
Combined Aggregate Washed sieve .....	\$210.00/ea.
Material Finer than #200 Sieve	
(ASTM C117).....	\$110.00/ea.
Sand Equivalent Test (ASTM D2419) (Calif 217).....	\$110.00/ea.
Flat and Elongated Particles (ASTM D4791) .....	\$210.00/ea.
Clay Lumps and Friable Particles (ASTM C142) .....	\$110.00/ea.
Lightweight Particles (ASTM C123)	
Coat / Lignite (sp gr = 2.00).....	\$110.00/ea.
Chert (sp gr = -2.4) .....	\$110.00/ea.
Organic Impurities in Fine Aggregate (ASTM C40).....	\$75.00/ea.
Cleanness Value (Calif 227) .....	\$180.00/ea.
Unit Weight / Calculated Voids (Fine / Coarse	
/ Mixed Aggregates ) (ASTM C29) .....	\$150.00/ea.
Resistance Value Test (R-Value) (Calif 301)	
Aggregate Base Material. ....	\$300.00/ea.
Potential Alkali Reactivity of Cement-Aggregate	
Combinations (Mortar-Bar Method) (ASTM C227). ....	Quote
Potential Volume Charge of Cement-Aggregate	
Combination (ASTM C342).....	Quote
Potential Reactivity Rock Cylinder Method	
(ASTM C586).....	Quote
Length Change Due to Alkali-Carbonate	
Reactivity (ASTM C1105) .....	Quote
Potential Reactivity Mortar Bar	
(ASTM C1260).....	Quote
Potential Expansion of Aggregates from	
Hydration (ASTM D4792).....	Quote
Aggregate Sampling, Staff Geologist / Engineer	
(Portal to Portal), per hour .....	\$140.00/hr.
Shipping.....	Cost Plus 15%
****1.5X Surcharge on rush turn-around for laboratory testing.	

## EQUIPMENT USAGE/RENTAL CHARGES

Core Drilling Bit Wear Charge. ....	\$10.00/core
Pachometer Reinforcement Locator .....	\$50.00/day

# 2021 SCHEDULE OF FEES

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## MINIMUM CHARGES

Engineering Technician .....	4 hours
ICC Special Inspector .....	4 hours
All Inspection Beyond 4 hours .....	6 hours
All Inspection Beyond 6 hours .....	8 hours
Show Up and No Testing or Inspection .....	2 hours
Cancellation of Work After 3:30 pm or same day .....	No Fee
Expedite of Scheduling After 3:00 pm or same day .....	1.5 x hr. rate

## SHIFT DIFFERENTIAL

Second Shift (2PM-12PM) .....	9.50/hr.
Third Shift (10PM-8AM) .....	14.00/hr.

## MILEAGE/TOLL ROAD FEES

Vehicle Mileage.....	\$0.75/mile
Toll Road Charges .....	Invoiced at Cost, plus 10%

## OVERTIME

Overtime at the rate of 1.5 times the applicable hourly rate will be charged for any time more than 8 hours and less than 12 hours in any one day, Monday through Friday, and time before 6:00 a.m. or after 6:00 p.m. and for Saturday work up to 8 hours. Work performed in excess of 12 hours on Monday through Friday, in excess of 8 hours on Saturday, and all work on Sundays or Company recognized Holidays will be charged at 2.0 times the applicable hourly rate.

## COMPANY RECOGNIZED HOLIDAYS

New Year's Day	Veteran's Day
President's Day	Thanksgiving Day
Memorial Day	Day After Thanksgiving
Independence Day	Christmas Day
Labor Day	

## WET SIGNED HARD COPY REPORTS

Reports will be charged at the rate of 60¢ per sheet copied, plus the cost of plan production.

## OUTSIDE SERVICES

Professional services, equipment, or tests not provided by **Hilltop Geotechnical, Inc.** and any unusual items of expense not customarily incurred in our normal operations will be charged at cost plus 15 percent.

**EXHIBIT “C”**

**KEY PERSONNEL**

## SECTION D COMPANY PERSONNEL

**HGI's** objective for the contract is to provide the **City of Riverside Parks, Recreation & Community Services Department** with an experienced team who have the appropriate qualifications and have demonstrated competence in performing Geotechnical Services similar to projects we expect you may request. We understand that our team's ability to perform the required tasks assigned to them by the **City of Riverside Parks, Recreation & Community Services Department** could impact the project schedule. As such, our personnel will be experienced, dedicated, given sufficient time, and have a firm grasp on the importance of timely and cost-efficient results, communication, and cooperation.

**HGI** proposes the following key staff members for the **City of Riverside Parks, Recreation & Community Services Department** contract:

**Michele Shams, M.B.A., M.A.F.M.  
President, C.E.O.**

Michele has over 20 years in the construction industry, finance and accounting, and project management. She is currently the CEO for Hilltop Geotechnical, providing overall company direction and leadership, and runs day to day operations from an executive perspective. She will be responsible for:

- Providing overall company direction.
- Conducting regularly scheduled staff meetings.
- Assigning project tasks to key personnel.
- Directing work performed by our in-house geology staff.
- Being available to attend all requested meetings.

Contact Information: Office Phone: (909) 890-9079, Email [M.Shams@hgeotech.com](mailto:M.Shams@hgeotech.com)

**Shaofu (Mac) Chen P.E., C.E.G.  
Registered Senior Engineer/Geologist**

Mr. Chen will be the Registered Senior Engineer/Geologist for the project. Mr. Chen possesses over 15 years of geotechnical, construction testing and project management/quality control experience (6 months with **HGI**). Mr. Chen is a Registered Professional Engineer, License Number P.E. C76834 as well as Certified Engineering Geologist License Number C.E.G. 2688. As the registered Geotechnical Engineer and Geologist, Mr. Chen's participation will include the following:

- Review of all work performed by field and laboratory personnel.
- Performing field investigations.
- Answering RFI's.
- Writing and/or reviewing geotechnical reports and specifications.
- Being available to attend requested meetings.

Contact Information: Office Phone: (909) 890-9079, Email S.Chen@hgeotech.com

**Paul Chang, G.E.**  
**Senior Geotechnical Engineer**

Paul Chang will be the Project Senior Geotechnical Engineer for the project. Mr. Chang possesses over 15 years of geotechnical, construction testing and project management/quality control experience (One year with **HGI**). Mr. Chang is a Geotechnical Engineer, License Number GE2871. As the Senior Geotechnical Engineer, Mr. Chang's participation will include the following:

- Review of all work performed by field and laboratory personnel.
- Answering RFI's.
- Writing and/or reviewing geotechnical reports and specifications.
- Being available to attend requested meetings.

Contact Information: Office Phone: (909) 890-9079, Email P.Chang@hgeotech.com

**Michael Carrillo**  
**Project Manager**

Michael Carrillo has over 35 years' experience in soils and materials testing for various types of projects (22 years at Hilltop Geotechnical, Inc.). As a Project Manager for over 25 years, Mr. Carrillo will participate by:

- Providing supervision/direction to our field inspectors.
- Scheduling and coordinating all matters pertaining to requested work for the project.
- Being the central point/emergency contact for our projects.
- Assuring that all field equipment is calibrated and in good working order.
- Conducting regular safety meetings.
- Assuring the project remains on time and budget.
- Being available to attend all requested meetings.

Contact Information: Office Phone: (909) 890-9079, Email M.Carrillo@hgeotech.com

**Manuel Baeza**  
**Lead Technician/ICC Inspector**

Mr. Baeza has over 6 years' experience (4 years at Hilltop Geotechnical Inc.) in soils and materials testing for various types of projects. As the Lead Technician/ Inspector, Mr. Baeza will participate by:

- Providing on site ICC inspections for reinforced concrete, ACI Concrete inspections and soil testing.

- Providing supervision/direction to our field inspectors/technicians.
- Preparing daily field reports.
- Assuring that all field equipment is calibrated and in good working order.
- Being available to attend all requested meetings.
- Reporting all noncomplying items to the agency immediately.

Contact Information: Office Phone: (909) 890-9079, Email M.Baeza@hgeotech.com

**Kevin Beath**  
**Laboratory Manager**

Kevin Beath has over 20 years of laboratory experience (all 20 at Hilltop Geotechnical, Inc.). He is currently certified by Caltrans to perform soils and concrete testing and maintains **HGI's** laboratory certifications for CCRL, AMRL, and Cal-Trans. Mr. Beath participates by:

- Managing laboratory staff.
- Training laboratory personnel.
- Assuring that all laboratory equipment is Calibrated and in good working order.
- Assigning and/or performing laboratory testing in a timely manner.
- Reviewing laboratory test results.
- Being available to attend all requested meetings.

Contact Information: Office Phone: (909) 890-9079, Email K.Beath@hgeotech.com

We are very proud of our key management team, and as a team has successfully provided geotechnical consulting services to our clients for many years. We anticipate that our team can and will exceed the expectations of the **City of Riverside Parks, Recreation & Community Services Department.**

Our commitment to providing geotechnical consulting services in a timely, cost effective manner has resulted in long term partnerships with many of our clients.

**HGI** does not anticipate the need to use any subcontractors on this project.

Other qualified personnel who may participate in the project are included on the attached Organizational Chart.

**HGI does not anticipate the use of any subconsultants on this project.**