

AGREEMENT FOR ON-CALL UTILITY DESIGN SERVICES

THIS AGREEMENT is made and entered into on this 19th day of May, 2015 (“Effective Date”), by and between the City of Manhattan Beach, a municipal corporation (“City”) and AKM Consulting Engineers, Inc., a California corporation (“Consultant”). City and Consultant are sometimes referred to herein as the “Parties”, and individually as a “Party”.

RECITALS

- A. City issued Request for Proposals No. 1030-15 for On-Call Utility Design Services (the “RFP”).
- B. In response to the RFP, Consultant submitted a proposal dated March 16, 2015 (the “Proposal”), which proposal is incorporated herein by this reference.
- C. City desires to use the services of Consultant as an independent contractor to provide the on-call Utility design services described in the RFP.
- D. Consultant represents that it is qualified and able to perform such services by virtue of its experience and the training, education and expertise of its principals and employees.
- E. City desires to retain Consultant and Consultant desires to perform these services in accordance with the terms and conditions of this Agreement.

NOW, THEREFORE, in consideration of the Parties’ performance of the promises, covenants, and conditions stated herein, the Parties hereto agree as follows:

Section 1. Consultant’s Services.

A. Scope of Services. Consultant shall perform the services described in the Scope of Services (the “Services”), attached as **Exhibit A**. City may request, in writing, changes in the Scope of Services to be performed. Any changes mutually agreed upon by the Parties, and any increase or decrease in compensation, shall be incorporated by written amendments to this Agreement.

B. On-Call Services. Consultant acknowledges that (i) this Agreement is for *on-call* services; (ii) Consultant is one of three firms selected by City to provide the Services; (iii) City is under no obligation to assign any Services to Consultant pursuant to this Agreement; and (iv) any assignments to Consultant pursuant to this Agreement may not include all of the Services listed in the Scope of Services.

C. Assignment of Task. Assignments will be made via Task Order. Prior to issuing a Task Order, City will request a project specific proposal from Consultant. If City accepts the proposal City will issue the Task Order, assigning the task to Consultant. Consultant shall not commence performance of work or services until issued a Task Order by City.

D. Time for Performance. Consultant shall commence the Services upon issuance of a Task order pursuant to paragraph C of this Section 1. Consultant shall perform all Services by the deadline established in the Task Order or, if no deadline is established, with reasonable diligence.

E. Standard of Performance. Consultant shall perform all Services under this Agreement in accordance with the standard of care generally exercised by like professionals under similar circumstances and in a manner reasonably satisfactory to City.

F. Personnel. Consultant has, or will secure at its own expense, all personnel required to perform the Services required under this Agreement. All of the Services required under this Agreement shall be performed by Consultant or under its supervision, and all personnel engaged in the work shall be qualified to perform such Services.

G. Compliance with Laws. Consultant shall comply with all applicable federal, state and local laws, ordinances, codes, regulations and requirements.

H. Prevailing Wage. Consultant acknowledges that some of the Services assigned to Consultant pursuant to a Task Order, including but not limited to inspection and land surveying work, may constitute “public works”, as that term is defined in California Labor Code Section 1720. Therefore, as to those services that are “public works”, Consultant shall comply in all respects with all applicable provisions of the California Labor Code, including those set forth in **Exhibit B** hereto

Section 2. Term of Agreement. This term of this Agreement shall be from the Effective Date through May 4 2017, unless earlier terminated as provided in Section 12 of this Agreement. City shall have the option, in its sole discretion, to extend the term for one additional year.

Section 3. Compensation.

(a) Total compensation paid to Consultant pursuant to this Agreement shall not exceed the sum of \$250,000 , or such lesser amount as may be specified in the approved Task Order(s) issued pursuant to paragraph C of Section 1. The City Manager may authorize cumulative increases for additional work up to the lesser of \$20,000 or ten percent (10%) of the amount of the Agreement. Any additional work in excess of this amount shall be approved by the City Council.

(b) The method of payment for this Agreement will be based on lump sum. The total lump sum price paid Consultant will include compensation for all work and deliverables, including travel and equipment, described in the approved Task Order. No additional compensation will be paid to Consultant in excess of the amount set forth in the approved Task Order, unless there is a change in the scope of the work or the scope of the project. In the instance of a change in the scope of work or scope of the project, adjustment to the total lump sum compensation will be negotiated between Consultant and City. Adjustment in the total lump sum compensation will not be effective until authorized by Task Order amendment approved by City.

(c) Progress payments may be made monthly in arrears based on the percentage of work completed by Consultant. If Consultant fails to submit the required deliverable items according to the schedule set forth in the Task Order, City shall have the right to delay payment or terminate this Agreement in accordance with the provisions of Section 12 - Termination.

(d) No payment will be made prior to approval of any work, or for any work performed prior to City issuance of a Task Order for such work.

(e) Consultant will be reimbursed, as promptly as fiscal procedures will permit, upon receipt by City's Contract Administrator of itemized invoices in triplicate. Invoices shall be submitted no later than 45-calendar days after the performance of work for which Consultant is billing. Invoices shall detail the work performed on each milestone, on each project as applicable. Invoices shall follow the format stipulated for the Cost Proposal or as otherwise directed by the Contract Administrator, and shall reference this Agreement number and project title. Final invoice must contain the final cost and all credits due City that include any equipment purchased under the provisions this Agreement. The final invoice should be submitted within 60-calendar days after completion of Consultant's work. Invoices shall be mailed to City's Contract Administrator at the following address:

Joe Parco, P.E.
City Engineer
3621 Bell Avenue
Manhattan Beach CA 90266

(f) Unless expressly provided for in the approved Task Order, Consultant shall not be entitled to reimbursement for any expenses. Any expenses incurred by Consultant that are not expressly authorized by the approved Task Order will not be reimbursed by City.

Section 4. Independent Contractor. The Parties agree, understand, and acknowledge that Consultant is not an employee of the City, but is solely an independent contractor. Consultant expressly acknowledges and agrees that City has no obligation to pay or withhold state or federal taxes or to provide Workers' Compensation or unemployment insurance or other employee benefits and that any person employed by Consultant shall not be in any way an employee of the City. As such, Consultant shall have the sole legal responsibility to remit all federal and state income and social security taxes and to provide for his/her own Workers' Compensation and unemployment insurance and that of his/her employees or subcontractors. Neither City nor any of its agents shall have control over the conduct of Consultant or any of Consultant's employees. Consultant shall not, at any time, or in any manner, represent that it or any of its agents or employees are in any manner agents or employees of City. Consultant shall indemnify and hold harmless City and its elected officials, officers and employees, servants, designated volunteers, and agents serving as independent contractors in the role of City officials, from any and all liability, damages, claims, costs and expenses of any nature to the extent arising from Consultant's personnel practices. City shall have the right to offset against the amount of any fees due to Consultant under this

Agreement any amount due to City from Consultant as a result of Consultant's failure to promptly pay to City any reimbursement or indemnification arising under this Section 4.

Section 5. Assignment. This Agreement shall not be assigned, in whole or in part, by Consultant without the prior written approval of City. Any attempt by Consultant to so assign this Agreement or any rights, duties, or obligations arising hereunder shall be void and of no effect.

Section 6. Responsible Principals.

Consultant's responsible principal, Zeki Kayiran, shall be principally responsible for Consultant's obligations under this Agreement and shall serve as principal liaison between City and Consultant. There shall be no change in Consultant's Responsible Principal or members of the project team, as listed in the approved Cost Proposal, which is a part of this Agreement, without prior written approval by City's Contract Administrator.

(a) City's Responsible Principal (also known as "Contract Administrator" shall be the City Manager, who shall administer the terms of the Agreement on behalf of City.

Section 7. Personnel. Consultant represents that it has, or shall secure at its own expense, all personnel required to perform the Services under this Agreement. All personnel engaged in the work shall be qualified to perform such Services.

Section 8. Permits and Licenses. Consultant shall obtain and maintain during the term of this Agreement all necessary licenses, permits, and certificates required by law for the provision of the Services, including a business license.

Section 9. Interests of Consultant.

(a) Consultant covenants that it presently has no interest and shall not acquire any interest, direct or indirect, which may be affected by the Services, or which would conflict in any manner with the performance of the Services. Consultant further covenants that, in performance of this Agreement, no person having any such interest shall be employed by it. Furthermore, Consultant shall avoid the appearance of having any interest, which would conflict in any manner with the performance of the Services. Consultant shall not accept any employment or representation during the term of this Agreement which is or may likely make Consultant "financially interested" (as provided in California Government Code §§ 1090 and 87100) in any decision made by City on any matter in connection with which Consultant has been retained.

(b) Consultant further warrants and maintains that it has not employed or retained any person or entity, other than a bona fide employee working exclusively for Consultant, to solicit or obtain this Agreement. Nor has Consultant paid or agreed to pay any person or entity, other than a bona fide employee working exclusively for Consultant, any fee, commission, gift, percentage, or any other consideration contingent upon the execution of this Agreement. Upon any breach or violation of this warranty, City shall have the right, at its sole and absolute discretion, to terminate this Agreement without further liability, or to deduct from any sums payable to Consultant hereunder the full amount or value of any such fee, commission, percentage or gift.

(c) Consultant warrants and maintains that it has no knowledge that any officer or employee of City has any interest, whether contractual, non-contractual, financial, proprietary, or otherwise, in this transaction or in the business of Consultant, and that if any such interest comes to the knowledge of Consultant at any time during the term of this Agreement, Consultant shall immediately make a complete, written disclosure of such interest to City, even if such interest would not be deemed a prohibited "conflict of interest" under applicable laws as described in this subsection.

Section 10. Insurance. [Check if Applicable]

(a) Consultant shall at all times during the term of this Agreement carry, maintain, and keep in full force and effect, insurance as follows:

1. **[X]** A policy or policies of Comprehensive General Liability Insurance, with minimum limits of \$2,000,000 for each occurrence, combined single limit, against any personal injury, death, loss, or damage resulting from the wrongful or negligent acts by Consultant.

2. **[X]** A policy or policies of Comprehensive Vehicle Liability Insurance covering personal injury and property damage, with minimum limits of \$1,000,000 per occurrence combined single limit, covering any vehicle utilized by Consultant in performing the Services required by this Agreement.

3. **[X]** Workers' Compensation insurance as required by the State of California.

4. **[X]** A policy or policies of Professional Liability Insurance (errors and omissions) with minimum limits of \$2,000,000 per claim and in the aggregate. Any deductibles or self-insured retentions attached to such policy or policies must be declared to and be approved by City. Further, Consultant agrees to maintain in full force and effect such insurance for one year after performance of work under this Agreement is completed.

(b) Other Insurance Provisions. The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. City, its officers, officials, employees, designated volunteers and agents serving as independent contractors in the role of City officials, are to be covered as additional insureds as respects: liability arising out of activities performed by or on behalf of Consultant; products and completed operations of Consultant; premises owned, occupied or used by Consultant; or automobiles owned, leased, hired or borrowed by Consultant. The coverage shall contain no limitations on the scope of protection afforded to City, its officers, officials, employees, designated volunteers or agents serving as independent contractors in the role of City officials which are not also limitations applicable to the named insured.

2. For any claims related to this Agreement, Consultant's insurance coverage shall be primary insurance as respects City, its officers, officials, employees, designated volunteers and agents serving as independent contractors in the role of City officials. Any insurance or self-insurance maintained by City, its officers, officials,

employees, designated volunteers or agents serving as independent contractors in the role of City officials shall be excess of Consultant's insurance and shall not contribute with it.

3. Consultant's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

4. Each insurance policy, except for the professional liability policy, required by this clause shall expressly waive the insurer's right of subrogation against City and its elected officials, officers, employees, servants, attorneys, designated volunteers, and agents serving as independent contractors in the role of City officials.

5. Each insurance policy required by this Agreement shall be endorsed to state: should the policy be canceled before the expiration date, the issuing insurer shall mail thirty (30) days' prior written notice to the City.

6. If insurance coverage is canceled or reduced in coverage or in limits, Consultant shall within two (2) business days of notice from insurer, phone, fax and/or notify the City via certified mail, return receipt requested, of the changes to or cancellation of the policy.

(c) The City's Risk Manager may, in writing, amend and/or waive any or all of the insurance provisions set forth herein. In such case, the Consultant shall comply with the insurance provisions required by the City's Risk Manager.

(d) The policy or policies required by this Agreement shall be issued by an insurer admitted in the State of California and with a rating of at least A-;VII in the latest edition of Best's Insurance Guide, unless waived in writing by City's Risk Manager.

(e) Consultant agrees that if it does not keep the aforesaid insurance in full force and effect, City may either immediately terminate this Agreement or, if insurance is available at a reasonable cost, City may take out the necessary insurance and pay, at Consultant's expense, the premium thereon.

(f) All insurance coverages shall be confirmed by execution of endorsements on forms approved by City. The endorsements are to be signed by a person authorized by that insurer to bind coverage on its behalf. All endorsements are to be received and approved by City before services commence. As an alternative to City forms, Consultant's insurer may provide complete, certified copies of all required insurance policies, including endorsements affecting the coverage required by these specifications.

(g) Any deductibles or self-insured retentions must be declared to and approved by City, and shall not exceed \$25,000.

(h) Consultant shall require each of its sub-contractors (if any) to maintain insurance coverage that meets all of the requirements of this Agreement.

Section 11. Indemnification.

(a) Indemnity for Design Professional Services. To the fullest extent permitted by law, Consultant shall, at its sole cost and expense, protect, indemnify, and hold harmless City and its elected officials, officers, attorneys, agents, employees, designated volunteers, successors, assigns and those City agents serving as independent contractors in the role of City officials (collectively "Indemnitees"), from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action, proceedings, judgments, penalties, liens, and losses of any nature whatsoever, including fees of accountants, attorneys, or other professionals and all costs associated therewith, and reimbursement of attorney's fees and costs of defense (collectively "Liabilities"), whether actual, alleged or threatened, which arise out of, are claimed to arise out of, pertain to, or relate to, in whole or in part, the negligence, recklessness or willful misconduct of Consultant, its officers, agents, servants, employees, subcontractors, material men, contractors or their officers, agents, servants or employees (or any entity or individual that Consultant shall bear the legal liability thereof) in the performance of design professional services under this Agreement by a "design professional," as the term is defined under California Civil Code Section 2782.8(c)(2).

(b) Other Indemnities.

1. Other than in the performance of design professional services, and to the fullest extent permitted by law, Consultant shall, at its sole cost and expense, defend, hold harmless and indemnify the Indemnitees from and against any and all damages, costs, expenses, liabilities, claims, demands, causes of action, proceedings, judgments, penalties, liens, and losses of any nature whatsoever, including fees of accountants, attorneys, or other professionals and all costs associated therewith and the payment of all consequential damages (collectively "Claims"), in law or equity, whether actual, alleged or threatened, which arise out of, are claimed to arise out of, pertain to, or relate to the acts or omissions of Consultant, its officers, agents, servants, employees, subcontractors, materialmen, contractors or their officers, agents, servants or employees (or any entity or individual that Consultant shall bear the legal liability thereof) in the performance of this Agreement, including the Indemnitees' active or passive negligence, except for Claims arising from the sole negligence or willful misconduct of the Indemnitees, as determined by final arbitration or court decision or by the agreement of the Parties. Consultant shall defend the Indemnitees in any action or actions filed in connection with any Claim with counsel of the Indemnitees' choice, and shall pay all costs and expenses, including all attorneys' fees and experts' costs actually incurred in connection with such defense. Consultant shall reimburse the Indemnitees for any and all legal expenses and costs incurred by the Indemnitees in connection therewith.

2. Consultant shall pay all required taxes on amounts paid to Consultant under this Agreement, and indemnify and hold City harmless from any and all taxes, assessments, penalties, and interest asserted against City by reason of the independent contractor relationship created by this Agreement. Consultant shall fully comply with the workers' compensation law regarding Consultant and Consultant's employees. Consultant shall indemnify and hold City harmless from any failure of Consultant to comply with applicable workers' compensation laws. City may offset against the amount of any fees due to Consultant under this Agreement any amount due to City from Consultant as a result of Consultant's failure to promptly pay to City any reimbursement or indemnification arising under this Subparagraph B. 2).

3. Consultant shall obtain executed indemnity agreements with provisions identical to those in this Section 11 from each and every subcontractor or any other person or entity involved by, for, with or on behalf of Consultant in the performance of this Agreement. If Consultant fails to obtain such indemnities, Consultant shall be fully responsible and indemnify, hold harmless and defend the Indemnitees from and against any and all Claims in law or equity, whether actual, alleged or threatened, which arise out of, are claimed to arise out of, pertain to, or relate to the acts or omissions of Consultant's subcontractor, its officers, agents, servants, employees, subcontractors, materialmen, contractors or their officers, agents, servants or employees (or any entity or individual that Consultant's subcontractor shall bear the legal liability thereof) in the performance of this Agreement, including the Indemnitees' active or passive negligence, except for Claims arising from the sole negligence or willful misconduct of the Indemnitees, as determined by final arbitration or court decision or by the agreement of the Parties.

(c) Workers' Compensation Acts not Limiting. Consultant's obligations under this Section 11, or any other provision of this Agreement, shall not be limited by the provisions of any workers' compensation act or similar act. Consultant expressly waives its statutory immunity under such statutes or laws as to City, its officers, agents, employees and volunteers.

(d) Insurance Requirements not Limiting. City does not, and shall not, waive any rights that it may possess against Consultant because of the acceptance by City, or the deposit with City, of any insurance policy or certificate required pursuant to this Agreement. This hold harmless and indemnification provisions in this Section 8 shall apply regardless of whether or not any insurance policies are determined to be applicable to the Liabilities, Claims, tax, assessment, penalty or interest asserted against City.

(e) Survival of Terms. The indemnification in this Section 11 shall survive the expiration or termination of this Agreement.

Section 12. Termination.

(a) City shall have the right to terminate this Agreement for any reason or for no reason upon five calendar days' written notice to Consultant. Consultant agrees to cease all work under this Agreement on or before the effective date of such notice.

(b) City may at any time, for any reason, with or without cause, suspend this Agreement, or any portion hereof, by serving upon Consultant written notice. Upon receipt of that notice, Consultant shall immediately cease all work under this Agreement, unless the notice provides otherwise. If the City suspends only a portion of this Agreement, such suspension shall not make void or invalidate the remainder of this Agreement.

(c) In the event of termination or cancellation of this Agreement by City, due to no fault or failure of performance by Consultant, Consultant shall be paid based on the percentage of work satisfactorily performed at the time of termination. In no event shall Consultant be entitled to receive more than the amount that would be paid to Consultant for the full performance of the Services required by this Agreement. Consultant shall

have no other claim against City by reason of such termination, including any claim for compensation.

Section 13. City's Responsibility. City shall provide Consultant with all pertinent data, documents, and other requested information as is available for the proper performance of Consultant's Services.

Section 14. Information and Documents.

(a) Consultant covenants that all data, documents, discussion, or other information (collectively "Data") developed or received by Consultant or provided for performance of this Agreement are deemed confidential and shall not be disclosed or released by Consultant without prior written authorization by City. City shall grant such authorization if applicable law requires disclosure. Consultant, its officers, employees, agents, or subcontractors, shall not without written authorization from the City Manager or unless requested in writing by the City Attorney, voluntarily provide declarations, letters of support, testimony at depositions, response to interrogatories or other information concerning the work performed under this Agreement or relating to any project or property located within the City. Response to a subpoena or court order shall not be considered "voluntary," provided Consultant gives City notice of such court order or subpoena.

(b) Consultant shall promptly notify City should Consultant, its officers, employees, agents or subcontractors be served with any summons, complaint, subpoena, notice of deposition, request for documents, interrogatories, request for admissions or other discovery request, court order or subpoena from any party regarding this Agreement and the work performed thereunder or with respect to any project or property located within the City. City retains the right, but has no obligation, to represent Consultant and/or be present at any deposition, hearing or similar proceeding. Consultant agrees to cooperate fully with City and to provide City with the opportunity to review any response to discovery requests provided by Consultant. However, the City's right to review any such response does not imply or mean the right by City to control, direct, or rewrite said response.

(c) All Data required to be furnished to City in connection with this Agreement shall become the property of City, and City may use all or any portion of the Data submitted by Consultant as City deems appropriate. Upon completion of, or in the event of termination or suspension of this Agreement, all original documents, designs, drawings, maps, models, computer files containing data generated for the work, surveys, notes, and other documents prepared in the course of providing the Services shall become the sole property of the City and may be used, reused or otherwise disposed of by City without Consultant's permission.

(d) Consultant shall maintain complete and accurate records with respect to sales, costs, expenses, receipts and other such information required by City that relate to the performance of the Services. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. Consultant shall provide free access to City, its designees and representatives at reasonable times, and shall allow City to examine and audit said

books and records, to make transcripts therefrom as necessary, and to inspect all work, data, documents, proceedings and activities related to this Agreement. Such records, together with supporting documents, shall be maintained for a period of three (3) years after receipt of final payment.

(e) Consultant's covenants under this Section shall survive the termination of this Agreement.

Section 15. Default.

(a) Consultant's failure to comply with the provisions of this Agreement shall constitute a default. In the event that Consultant is in default for cause under the terms of this Agreement, City shall have no obligation or duty to continue compensating Consultant for any work performed after the date of default and can terminate this Agreement immediately by written notice to Consultant. If such failure by Consultant to make progress in the performance of work hereunder arises out of causes beyond Consultant's control, and without fault or negligence of Consultant, it shall not be considered a default.

(b) If the City Manager or his delegate determines that the Consultant is in default in the performance of any of the terms or conditions of this Agreement, City shall serve the Consultant with written notice of the default. Consultant shall have ten (10) days after service upon it of such notice in which to cure the default by rendering a satisfactory performance. In the event that Consultant fails to cure its default within such period of time, the City shall have the right, notwithstanding any other provision of this Agreement, to terminate this Agreement without further notice and without prejudice to any other remedy to which it may be entitled at law, in equity or under this Agreement.

Section 16. No Third Party Beneficiaries Intended. This Agreement is made solely for the benefit of the Parties to this Agreement and their respective successors and assigns, and no other person or entity may have or acquire a right by virtue of this Agreement.

Section 17. Waiver. No delay or omission to exercise any right, power or remedy accruing to City under this Agreement shall impair any right, power or remedy of City, nor shall it be construed as a waiver of, or consent to, any breach or default. No waiver of any breach, any failure of a condition, or any right or remedy under this Agreement shall be (1) effective unless it is in writing and signed by the Party making the waiver, (2) deemed to be a waiver of, or consent to, any other breach, failure of a condition, or right or remedy, or (3) deemed to constitute a continuing waiver unless the writing expressly so states.

Section 18. Changes in the Services. City shall have the right to order, in writing, changes in the Services or the services to be performed. Any changes in the Services requested by Consultant must be made in writing and approved by both Parties.

Section 19. Headings. The headings in this Agreement are included solely for convenience of reference and shall not affect the interpretation of any provision of this Agreement or any of the rights or obligations of the Parties to this Agreement.

Section 20. Word Usage. Unless the context clearly requires otherwise, (a) the words “shall,” “will” and “agrees” are mandatory and “may” is permissive; (b) “or” is not exclusive; and (c) “includes” or “including” are not limiting.

Section 21. Time of the Essence. Time is of the essence in respect to all provisions of this Agreement that specify a time for performance; provided, however, that the foregoing shall not be construed to limit or deprive a Party of the benefits of any grace or use period allowed in this Agreement.

Section 22. Notice. Any notices, bills, invoices, etc. required by this Agreement shall be deemed received on (a) the day of delivery if delivered by hand during the receiving party’s regular business hours or by facsimile before or during the receiving party’s regular business hours; or (b) on the second business day following deposit in the United States mail, postage prepaid, to the addresses set forth below, or to such other addresses as the Parties may, from time to time, designate in writing pursuant to this section.

If to City: City of Manhattan Beach
1400 Highland Avenue
Manhattan Beach, California 90266
Attn: Mark Danaj, City Manager

If to Consultant: AKM Consulting Engineers. Inc.
553 Wald Avenue
Irvine, CA 92618
Attn: Zeki Kayiran.

Section 23. Attorneys’ Fees. If a party commences any legal, administrative, or other action against the other party arising out of or in connection with this Agreement, the prevailing party in such action shall be entitled to have and recover from the losing party all of its attorneys’ fees and other costs incurred in connection therewith, in addition to such other relief as may be sought and awarded.

Section 24. Entire Agreement. This Agreement represents the entire integrated agreement between City and Consultant, and supersedes all prior negotiations, representations, or agreements, either written or oral. No alteration or variation of the terms of this Agreement shall be valid, unless made in writing and signed by the parties hereto; and no oral understanding or agreement not incorporated herein, shall be binding on any of the parties hereto.

Section 25. Amendment.

This Agreement may be amended or modified only by mutual written agreement of the parties. Consultant shall only commence work covered by an amendment after the amendment is executed and notification to proceed has been provided by City’s Contract Administrator.

Section 26. Governing Law. The interpretation and implementation of this Agreement shall be governed by the domestic law of the State of California.

Section 27. Venue. Any litigation concerning this Agreement shall take place in the municipal, superior, or federal district court with geographic jurisdiction over the City of Manhattan Beach.

Section 28. Exhibits; Precedence. All documents referenced as exhibits in this Agreement are hereby incorporated in this Agreement. In the event of any discrepancy between the express provisions of this Agreement and the provisions of any document incorporated herein by reference, including Contractor's Proposal, the provisions of this Agreement shall prevail.

Section 29. Federal Provisions. The provisions set forth in **Exhibit C** are incorporated herein as though set forth in their entirety. Notwithstanding Section 28 of this Agreement, in the event of any discrepancy between the express provisions of this Agreement and the provisions of **Exhibit C**, the provisions of **Exhibit C** shall prevail.

Section 30. Corporate Authority. The persons executing this Agreement on behalf of the Parties warrant that they are duly authorized to execute this Agreement on behalf of said Parties and that by their execution, the Parties are formally bound to the provision of this Agreement.

Section 31. Severability. Invalidation of any provision contained herein or the application thereof to any person or entity by judgment or court order shall in no way affect any of the other covenants, conditions, restrictions, or provisions hereof, or the application thereof to any other person or entity, and the same shall remain in full force and effect.

Section 32. Counterparts. This Agreement may be executed in multiple counterparts, all of which shall be deemed an original, and all of which will constitute one and the same instrument.

Section 33. Diligent Performance. For and in consideration of the payments to be made, conditions mentioned, and work to be performed; City and Consultant each agree to diligently perform in accordance with the terms and conditions of this Agreement as evidenced by the signatures below.

EXECUTED on the date first written above at Manhattan Beach, California.

CITY OF MANHATTAN BEACH

CONSULTANT:

Mark Danaj
City Manager



Zeki Kayiran
Principal

ATTEST:

LIZA TAMURA
City Clerk

APPROVED AS TO FORM:



QUINN M. BARROW
City Attorney

EXHIBIT A

STATEMENT OF WORK

Scope of Work

The Scope of Work shall include, but not limited to the following tasks:

In general, the Consultant shall perform civil engineering design services resulting in contract documents (plans, specifications and cost estimates) for various projects on an as-needed basis. The Consultant shall provide a detailed schedule of the assigned project upon issuance of Notice to Proceed of that particular project. The Consultant shall also provide all field survey works required to complete the designs.

The Consultant's services shall include, but are not limited to, the following:

1. Research existing records of utility companies and agencies and coordinate the proposed improvements with existing field conditions.
2. Prepare all documentation required to obtain permits from any and all agencies having jurisdiction of the project.
3. Conduct an environmental assessment for each project and prepare all documentation required to comply with the California Environmental Quality Act (CEQA).
4. Provide all field survey and topographic work necessary to complete the design effort. Design level survey and base mapping of the project site shall be prepared in US Customary English units by a California licensed Land Surveyor in accordance with the City guidelines and in AutoCAD Computer Aided Design and Drafting (CADD) format. The horizontal datum shall be NAD 83 and the vertical datum shall be NAVD 88. All survey field notes shall be on forms provided by the City, shall be neatly completed in pencil, and shall become property of the City upon completion of the project. Informal field investigations including marking of removal areas may be required for some of the sidewalk, curb and gutter, and pavement replacement projects.
5. Complete the design of projects including plans, specifications, and engineer's construction cost estimate. The Consultant shall contact manufacturers and/or contractors to verify the engineer's estimate prior to submitting to the City. Specifications shall be prepared in Microsoft Word and an electronic copy of the final version shall be furnished to the City. The City will provide the specification boiler plate to the Consultant.
6. All preliminary and bid sets of plans shall be plotted on bond or velum using the AutoCAD program. All drawings shall be completed per the City of Manhattan Beach CADD Standards
7. All original plan sheets, the title sheet of the specifications, calculations, and reports shall be signed and stamped by the Consultant's licensed professional engineer in responsible-charge of the project. These signed originals will then become the property of the City.
8. The Consultant shall provide support services during the bidding and construction phases of the project, including:
 - A. The Consultant shall respond to bidder inquiries during the bidding process, including preparation of any addenda. Upon award of the construction contract, the Consultant shall attend the pre-construction meeting.
 - B. The Consultant shall review and approve all submittals and shop plan drawings required supporting the construction contract. The Consultant shall complete shop drawings reviews within two (2) weeks of receipt. Contract Change Order reviews shall be completed within two (2) working days of receipt.

- C. The Consultant shall respond to written Requests for Information (RFI) to provide clarification or resolve discrepancies in the contract documents. Responses shall be completed within three (3) working days.
 - D. The Consultant shall provide periodic field reviews and bring to the attention of the City of Manhattan Beach any defects or deficiencies in the work by the construction contractor which the Consultant may observe. The Consultant shall have no authority to issue instruction on behalf of the City of Manhattan Beach, or to deputize another to do so.
9. Upon the completion of construction, as-builts shall be submitted to the City. The Consultant shall incorporate all changes to the plans electronically with all necessary revision notations. Once plans have been updated, a signed set of as-built mylars shall be submitted to the City with an electronic copy (in AutoCAD and pdf formats) of the final as-built drawings via CD or e-mail.
 10. The Consultant shall monitor the project progress, maintain project files, and control the quality of the work performed by in-house staff and/or sub-consultants. Incomplete (not meeting targeted completion) or poor quality work will not be accepted. The Consultant will need to revise the documents within a revised schedule set by the City, which may require overtime. No additional regular or overtime hours shall be approved for the required revisions.
 11. Attend meetings with the City staff as required.
 12. Coordinate plan check, design topics, permits and any other issues with the City, other Agencies, and all utility companies as required. The Consultant shall be the liaison with affected agencies
 13. The Consultant shall be responsible for reviewing and approving addenda and clarifications to plans and specifications.

a) Preliminary Design

Review available record plans, existing/proposed conditions and requirements.

Attend the Field Review Meeting; prepare Field Review Report

Conduct a field survey in order to confirm the accuracy of any existing drawings, surveys, streets, and utility locations data obtained. Consultant is expected to conduct additional surveys based on the project requirements.

b) Development of Detail Plans, Specifications and Estimate (PS&E):

All reports, plans, specifications and quantity calculations shall conform to criteria, policies, procedures and standards of Caltrans and the City, and shall be made available to the City at stages specified in the milestone schedule and upon request.

Construction plans shall adhere to City of Manhattan Beach Standard Construction Drawing standards. The Consultant shall produce, at the Consultant's sole cost and expense, blank reproducible sample plan sheets and any needed standard drawings. Standard drawings and standard plans shall be incorporated into the Contract Plans where applicable.

Each plan sheet shall bear the State of California Registered Professional Engineer registration seal within signatures, license number and registration certificate expiration date of the Engineer who is in responsible charge for developing the plan. Each plan sheet shall be signed by the engineer who performed the independent plan check.

Consultant shall prepare complete contract specifications based on the Manuals/Standards section 4.2.3.

A list of contract pay items with the descriptions, item codes and estimated quantities shall be included in the front of the special provisions.

The Consultant shall prepare quantity calculations for items that are applicable to this project, and prepare cost estimates.

Quantities for all contract pay items shall be substantiated by calculations. Quantity calculations shall be neat and orderly and shall show all sketches, diagrams, and dimensions necessary to allow them to be independently used by field inspectors during construction.

Electronic files for all structural details and calculations shall be submitted at the end of the contract or when requested by the City.

All electronic software developed, databases generated, spreadsheets and intellectual properties developed during the life of the Agreement shall become the property of the City.

c) Environmental Documents and Permit Compliance

Specific environmental documentation work as may be required by the funding agency and the City including, but not be limited to the following: prepare Preliminary Environmental Study (PES), CEQA compliance documentation, technical studies, , NPDES permit, Regional Board Section 401 certification, any coordination as required completing the environmental NEPA and CEQA work, and any encroachment permits required for the project from agencies such as Caltrans, County of Los Angeles, the City and any other having jurisdiction.

d) Utility Research and Coordination

- (1) Research and obtain file copy of utility maps within the project limits for existing and/or proposed facilities.
- (2) Prepare preliminary plans with utility notices/questionnaires to be sent to utility companies.
- (3) Plot existing and proposed utilities in plan (and profile when applicable)
- (4) Monitor response of utility notices received by the City and then make recommendations for mitigating conflicts.
- (5) Attend coordination meetings when required regarding adjustments and relocations.
- (6) Pothole information, where required, shall be coordinated by the Consultant.

e) Construction Bidding Phase

Bidding procedures will be the responsibility of the City. While the PS&E construction package is being advertised for bids, all questions concerning the intent shall be referred to the City for resolution. In the event that any items requiring interpretation in the drawings or specifications are discovered during the bidding period, said items shall be analyzed by the Consultant for decision by the City, or by a covering change order after the award of the construction contract.

f) Construction Support Phase

- (1) All construction support work shall be coordinated with the City.
- (2) Consultant shall furnish, at the consultant's sole cost and expense, all necessary drawings for corrections and change orders required by errors and omissions of the Consultant. The original tracing(s) of the drawings and contract wording for the change orders shall be submitted to the city for duplication and distribution.
- (3) Consultant will receive written notification of the award of a construction contract. Upon such notification, Consultant will proceed with the services required by the Agreement.
- (4) Consultant is required to attend the pre-construction meeting with the successful construction contractor upon notification by the City.

(5) Consultant shall review and approve all submittals and shop plan drawings required supporting the construction contract. Consultant shall complete shop drawings reviews within one (1) weeks of receipt. Contract Change Order reviews shall be completed within two (2) working days of receipt.

(6) Consultant shall be available as requested by the City to resolve discrepancies in the contract documents. Consultant shall bring to the attention of the City any defects or deficiencies in the work by the construction contractor which the Consultant may observe. Consultant shall have no authority to issue instruction on behalf of the City, or to deputize another to do so.

(7) The Consultant shall prepare and deliver to the City the final as-built plans incorporating field marked prints supplied by the City. Upon completion of construction, the City will submit field-marked prints to Consultant. Consultant shall incorporate all changes to the plans electronically with all necessary revision notations and submit to the City.

2. Description of Required Services

All work shall be performed in conformance with the State of California, Los Angeles County and/or City of Manhattan Beach policies, procedures and standards.

Consultant shall carry out the instructions received from the City and shall cooperate with the City and other involved agencies.

The Consultant has total responsibility for the accuracy and completeness of the plans and related designs, specifications and estimates prepared and shall check all such materials accordingly. The plans will be reviewed by the City for conformity with the requirements of the Agreement. Reviews by the city do NOT include detailed review or checking of design or the accuracy with which such designs are depicted on the plans. The responsibility for accuracy and completeness of such items remains solely that of Consultant.

Consultant or its sub consultants shall not incorporate in the design any materials or equipment of single or sole source origin without written approval of the City.

The plans, specifications, estimates, calculations, and other documents furnished under the Agreement shall be of a quality acceptable to the City and State. The criteria for acceptance shall be a product of neat appearance, well organized, technically and grammatically correct, checked, and dated and having the maker and checker identified. The minimum standard of appearance, organization and content of the drawings shall be that of similar types produced by the State and set forth in related Caltrans manuals. The Consultant shall modify its work as necessary to meet the level of acceptability defined by the criteria above.

The Consultant shall have a quality control plan in effect during the entire time work is being performed under the Agreement. The Quality control plan shall establish a process whereby plans are independently checked, corrected and back checked, and all job related correspondence and memoranda dated and received by affected persons and then bound in appropriate job files.

3. Manuals/Standards

Where applicable, engineering design of all PROJECT improvements shall be compatible and in accordance with the following as applicable:

Caltrans Highway Design Manual

Caltrans Standard Plans

Caltrans Standard Specifications

Los Angeles County Hydrology Manual

American Public Works Association Standard Specifications for Public Works Construction

American Public Works Association Standard Plans

American Water Works Association

City of Manhattan Beach Standard Plans

It will be the responsibility of the Consultant to verify that it has received the latest version or update of these documents.

Plans for the improvements on the State Highway shall be prepared in accordance with Caltrans recommended practice for detailing and scope of work. Caltrans Standard plans shall be utilized where applicable and may be called out on the plans as reference.

Local street improvement and utility plans shall adhere to City of Manhattan Beach Standard Plans and the Standard Specifications for Public Works Construction. Plans shall be computer drafted in AutoCAD compatible format and shall adhere to the current City of Manhattan Beach Public Works Department CAD standards.

The Consultant's work will be subject to inspections by representatives of the City, County, State and FHWA.

Submittal requirements:

4. Construction plans:

a) 60% PS&E (Unchecked Details)

Unchecked plan details shall consist of 60% design and detailed plans ready for the independent design check.

Three sets (3) full size (24"x36") of design plans. The following submittals may be submitted electronically: draft SSP, preliminary quantities and estimates, pay item list, and design calculations.

b) 100% PS&E

The Consultant shall submit the following documents for review and approval:

Four sets (4) full size (24"x36") signed and sealed prints of checked design

Electronic copies of Special Provisions

Electronic copies of cost estimate and check quantity calculations

Electronic copies of design calculations

Electronic copies of design check calculations

Other reports as needed by the City of Manhattan Beach

The City will review and comment on the PS&E package as soon as possible. The turnaround goal is within four (4) weeks of receipt of the complete PS&E package. One (1) copy of those documents with comments will be returned to the Consultant.

5. Final PS&E

The Consultant shall submit the following documents for review and approval:

Electronic sets of signed final design plans

Electronic copies of signed final specifications

Electronic copies of final cost estimate and final quantity calculations

Electronic copies of final design calculations

Electronic files in its original format and in PDF of all plans, specifications, and estimates

6. Coordination

1. Coordination with the City, other consultants and other involved agencies will be required to achieve compatible designs, phasing of construction with existing or designed conditions, and timely delivery of the contract PS&E. Coordination may include, but not be limited to, coordination with Caltrans, FHWA, Regional Water Quality Control Board and other agencies.

The City will decide the manner in which the coordination of individual matters is undertaken. At the City's option, coordination efforts may be performed by the Consultant's direct contact, by the Consultant acting through the City or by the City only. When coordination efforts require Agreement, such Agreement shall be coordinated through the City.

a) Work To Be Performed or Provided By the City

1. Prepare and execute all utility Agreements
2. Prepare and process requests to the City
3. Distribute public information
4. Provide survey controls (bench mark and centerline monument records) necessary for design surveys
5. Advertise and award construction contracts
6. Prepare and execute Agreements with other agencies or entities
7. Administer construction contract
8. Resolve all construction claims

Upon contract award, City will:

Provide copies of record plans

Provide standard city boilerplate specifications

Furnish electronic design file with City title block and title sheet (24" x 36")

Process plans for governmental agency approvals having jurisdiction over the project and pay for all plan check fees.

Act as a liaison with the appropriate decision making bodies.

b) Project Progress

Progress Review Meetings shall be held at intervals deemed appropriate by the City. At or before each of these meetings, the Consultant shall furnish two (2) copies of all completed or partially completed, plans, specifications and estimates which have been developed or altered since the last Progress Review Meeting.

Progress Reports shall be submitted at monthly intervals, indicating progress achieved during the reporting period in relation to the progress scheduled. The Consultant shall provide the City with two (2) copies of the Progress Report at least four (4) working days before the Monthly Progress Meeting.

c) Standards of Work

7. Conflicts / Design Exceptions.

In case of conflict, ambiguities, discrepancies, errors, or omissions, Consultant shall submit the matter to City for clarification. Any work affected by such conflicts, ambiguities, discrepancies, errors

or omissions which is performed by Consultant prior to clarification by City shall be at Consultant's risk and expense.

In event that any non-standard features become necessary during the initial design, Consultant shall prepare the necessary design exceptions following Caltrans guidelines modified to fulfill requirements of compliance with approved funding. Consultant shall certify project including PS&E in accordance with Caltrans Local Assistance Procedures.

8. Plans, Specifications and Estimates (PS&E).

PS&E shall be prepared in English units and in conformance with the latest editions of applicable standards. As part of the work involved in the preparation of the PS&E, Consultant shall prepare Special Provisions pertaining to items of work included in the plans that are not addressed in the latest editions of applicable standards. Consultant will furnish and compile Special Provisions to include City contract administration requirements.

EXHIBIT B
TERMS FOR COMPLIANCE WITH CALIFORNIA LABOR LAW REQUIREMENTS

1. This Agreement calls for services that, in whole or in part, constitute “public works” as defined in Division 2, Part 7, Chapter 1 (commencing with Section 1720) of the California Labor Code (“Chapter 1”). Further, Consultant acknowledges that this Agreement is subject to (a) Chapter 1 and (b) the rules and regulations established by the Department of Industrial Relations (“DIR”) implementing such statutes. Therefore, as to those Services that are “public works”, Consultant shall comply with and be bound by all the terms, rules and regulations described in 1(a) and 1(b) as though set forth in full herein.

2. California law requires the inclusion of specific Labor Code provisions in certain contracts. The inclusion of such specific provisions below, whether or not required by California law, does not alter the meaning or scope of Section 1 above.

3. Consultant shall be registered with the Department of Industrial Relations in accordance with California Labor Code Section 1725.5, and has provided proof of registration to City prior to the Effective Date of this Agreement. Consultant shall not perform work with any subcontractor that is not registered with DIR pursuant to Section 1725.5. Consultant and subcontractors shall maintain their registration with the DIR in effect throughout the duration of this Agreement. If the Consultant or any subcontractor cease to be registered with DIR at any time during the duration of the project, Consultant shall immediately notify the City.

4. Pursuant to Labor Code Section 1771.4, Consultant’s Services are subject to compliance monitoring and enforcement by DIR. Consultant shall post job site notices, as prescribed by DIR regulations.

5. Pursuant to Labor Code Section 1773.2, copies of the prevailing rate of per diem wages for each craft, classification, or type of worker needed to perform the Agreement are on file at City Hall and will be made available to any interested party on request. Consultant acknowledges receipt of a copy of the DIR determination of such prevailing rate of per diem wages, and Consultant shall post such rates at each job site covered by this Agreement.

6. Consultant shall comply with and be bound by the provisions of Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. The Consultant shall, as a penalty to the City, forfeit two hundred dollars (\$200) for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as determined by the DIR for the work or craft in which the worker is employed for any public work done pursuant to this Agreement by Consultant or by any subcontractor.

7. Consultant shall comply with and be bound by the provisions of Labor Code Section 1776, which requires Consultant and each subcontractor to: keep accurate payroll records and verify such records in writing under penalty of perjury, as specified in Section 1776; certify and make such payroll records available for inspection as provided by Section 1776; and inform the City of the location of the records.

8. Consultant shall comply with and be bound by the provisions of Labor Code Sections 1777.5, 1777.6 and 1777.7 and California Administrative Code title 8, section 200 *et seq.* concerning the employment of apprentices on public works projects. Consultant shall be responsible for compliance with these aforementioned Sections for all apprenticeable occupations. Prior to commencing work under this Agreement, Consultant shall provide City with a copy of the information submitted to any applicable apprenticeship program. Within sixty (60) days after concluding work pursuant to this Agreement, Consultant and each of its subcontractors shall submit to the City a verified statement of the journeyman and apprentice hours performed under this Agreement.

9. The Consultant shall not perform Work with any Subcontractor that has been debarred or suspended pursuant to California Labor Code Section 1777.1 or any other federal or state law providing for the debarment of contractors from public works. The Consultant and Subcontractors shall not be debarred or suspended throughout the duration of this Contract pursuant to Labor Code Section 1777.1 or any other federal or state law providing for the debarment of contractors from public works. If the Consultant or any subcontractor becomes debarred or suspended during the duration of the project, the Consultant shall immediately notify the City.

10. Consultant acknowledges that eight (8) hours labor constitutes a legal day's work. Consultant shall comply with and be bound by Labor Code Section 1810. Consultant shall comply with and be bound by the provisions of Labor Code Section 1813 concerning penalties for workers who work excess hours. The Consultant shall, as a penalty to the City, forfeit twenty-five dollars (\$25) for each worker employed in the performance of this Agreement by the Consultant or by any subcontractor for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one (1) calendar day and forty (40) hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the Labor Code. Pursuant to Labor Code section 1815, work performed by employees of Consultant in excess of 8 hours per day, and 40 hours during any one week shall be permitted upon public work upon compensation for all hours worked in excess of 8 hours per day at not less than 1 1/2 times the basic rate of pay.

11. California Labor Code Sections 1860 and 3700 provide that every employer will be required to secure the payment of compensation to its employees. In accordance with the provisions of California Labor Code Section 1861, Consultant hereby certifies as follows:

“I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.”

12. For every subcontractor who will perform work on the project, Consultant shall be responsible for such subcontractor's compliance with Chapter 1 and Labor Code Sections 1860 and 3700, and Consultant shall include in the written contract between it and each subcontractor a copy of those statutory provisions and a requirement that each subcontractor shall comply with those statutory provisions. Consultant shall be required to take all actions necessary to enforce such contractual provisions and ensure subcontractor's compliance,

including without limitation, conducting a periodic review of the certified payroll records of the subcontractor and upon becoming aware of the failure of the subcontractor to pay his or her workers the specified prevailing rate of wages. Consultant shall diligently take corrective action to halt or rectify any failure.

13. To the maximum extent permitted by law, Consultant shall indemnify, hold harmless and defend (at Consultant's expense with counsel reasonably acceptable to the City) the City, its officials, officers, employees, agents and independent contractors serving in the role of City officials, and volunteers from and against any demand or claim for damages, compensation, fines, penalties or other amounts arising out of or incidental to any acts or omissions listed above by any person or entity (including Consultant, its subcontractors, and each of their officials, officers, employees and agents) in connection with any work undertaken or in connection with the Agreement, including without limitation the payment of all consequential damages, attorneys' fees, and other related costs and expenses. All duties of Consultant under this Section shall survive the termination of the Agreement.

EXHIBIT C

REQUIRED FEDERAL PROVISIONS

ARTICLE I - CONSULTANT'S REPORTS OR MEETINGS

- A. Consultant shall submit progress reports at least once a month. The report should be sufficiently detailed for the Contract Administrator to determine, if Consultant is performing to expectations, or is on schedule; to provide communication of interim findings, and to sufficiently address any difficulties or special problems encountered, so remedies can be developed.
- B. Consultant's Project Manager shall meet with City's Contract Administrator, as needed, to discuss progress on the Agreement.

ARTICLE II - FUNDING REQUIREMENTS

- C. It is mutually understood between the parties that this Agreement may have been written before ascertaining the availability of funds or appropriation of funds, for the mutual benefit of both parties, in order to avoid program and fiscal delays that would occur if the Agreement were executed after that determination was made.
- D. This Agreement is valid and enforceable only, if sufficient funds are made available to City for the purpose of this Agreement. In addition, this Agreement is subject to any additional restrictions, limitations, conditions, or any statute enacted by the Congress, State Legislature, or City governing board that may affect the provisions, terms, or funding of this Agreement in any manner.
- E. It is mutually agreed that if sufficient funds are not appropriated, this Agreement may be amended to reflect any reduction in funds.
- F. City has the option to void the Agreement under the 30-day cancellation clause, or by mutual agreement to amend the Agreement to reflect any reduction of funds.

ARTICLE III - DISADVANTAGED BUSINESS ENTERPRISES (DBE) PARTICIPATION

Consultants must give consideration to DBE firms as specified in 23 CFR §172.5(b), 49 CFR, Part 26. If the Agreement has a DBE goal, Consultant must meet the goal by using DBEs as subcontractors or document a good faith effort to have met the goal. If a DBE subcontractor is unable to perform, Consultant must make a good faith effort to replace him/her with another DBE subcontractor if the goal is not otherwise met.

A DBE may be terminated only with written approval by City and only for the reasons specified in 49 CFR 26.53 (f). Prior to requesting City's consent for the proposed termination, the prime consultant must meet the procedural requirements specified in 49 CFR 26.53(f). Consultant shall comply with the requirements of Exhibits 10-J and 17-F

of the Caltrans Local Assistance Procedures Manual, copies of which are attached hereto and incorporated herein.

ARTICLE IV - COST PRINCIPLES

- G. Consultant agrees that the Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31.000 et seq., shall be used to determine the cost allowability of individual items.
- H. Consultant also agrees to comply with federal procedures in accordance with 49 CFR, Part 18, Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments.
- I. Any costs for which payment has been made to Consultant that are determined by subsequent audit to be unallowable under 49 CFR Part 18 and 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31.000 et seq., are subject to repayment by Consultant to City.

ARTICLE V - CONTINGENT FEE

Consultant warrants, by execution of this Agreement that no person or selling agency has been employed, or retained, to solicit or secure this Agreement upon an agreement or understanding, for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees, or bona fide established commercial or selling agencies maintained by Consultant for the purpose of securing business. For breach or violation of this warranty, City has the right to annul this Agreement without liability; pay only for the value of the work actually performed, or in its discretion to deduct from the Agreement price or consideration, or otherwise recover the full amount of such commission, percentage, brokerage, or contingent fee.

ARTICLE VI - RETENTION OF RECORDS/AUDIT

For the purpose of determining compliance with Public Contract Code 10115, et seq. and Title 21, California Code of Regulations, Chapter 21, Section 2500 et seq., when applicable and other matters connected with the performance of the Agreement pursuant to Government Code 8546.7; Consultant, subcontractors, and City shall maintain and make available for inspection all books, documents, papers, accounting records, and other evidence pertaining to the performance of the Agreement, including but not limited to, the costs of administering the Agreement. All parties shall make such materials available at their respective offices at all reasonable times during the Agreement period and for three years from the date of final payment under the Agreement. The state, State Auditor, City, FHWA, or any duly authorized representative of the Federal Government shall have access to any books, records, and documents of Consultant that are pertinent to the Agreement for audit, examinations, excerpts, and transactions, and copies thereof shall be furnished if requested. Subcontracts in excess of \$25,000 shall contain this provision.

ARTICLE VII - DISPUTES

- J. Any dispute, other than audit, concerning a question of fact arising under this Agreement that is not disposed of by agreement shall be decided by a committee consisting of City's Contract Administrator and Public Works Director, who may consider written or verbal information submitted by Consultant.
- K. Not later than 30 days after completion of all deliverables necessary to complete the plans, specifications and estimate, Consultant may request review by City Governing Board of unresolved claims or disputes, other than audit. The request for review will be submitted in writing.
- L. Neither the pendency of a dispute, nor its consideration by the committee will excuse Consultant from full and timely performance in accordance with the terms of this Agreement.

ARTICLE VIII - AUDIT REVIEW PROCEDURES

- M. Any dispute concerning a question of fact arising under an interim or post audit of this Agreement that is not disposed of by agreement, shall be reviewed by City's Chief Financial Officer.
- N. Not later than 30 days after issuance of the final audit report, Consultant may request a review by City's Chief Financial Officer of unresolved audit issues. The request for review will be submitted in writing.
- O. Neither the pendency of a dispute nor its consideration by City will excuse Consultant from full and timely performance, in accordance with the terms of this Agreement.

ARTICLE IX - SUBCONTRACTING

- P. Consultant shall perform the work contemplated with resources available within its own organization; and no portion of the work pertinent to this Agreement shall be subcontracted without written authorization by City's Contract Administrator, except that, which is expressly identified in the approved Cost Proposal.
- Q. Any subcontract in excess of \$25,000 entered into as a result of this Agreement, shall contain all the provisions stipulated in this Agreement to be applicable to subcontractors.
- R. Any substitution of subcontractors must be approved in writing by City's Contract Administrator prior to the start of work by the subcontractor.

ARTICLE X - EQUIPMENT PURCHASE

- S. Prior authorization in writing, by City's Contract Administrator shall be required before Consultant enters into any unbudgeted purchase order, or subcontract

exceeding \$5,000 for supplies, equipment, or Consultant services. Consultant shall provide an evaluation of the necessity or desirability of incurring such costs.

- T. For purchase of any item, service or consulting work not covered in Consultant's Cost Proposal and exceeding \$5,000 prior authorization by City's Contract Administrator; three competitive quotations must be submitted with the request, or the absence of bidding must be adequately justified.
- U. Any equipment purchased as a result of this Agreement is subject to the following: "Consultant shall maintain an inventory of all nonexpendable property. Nonexpendable property is defined as having a useful life of at least two years and an acquisition cost of \$5,000 or more. If the purchased equipment needs replacement and is sold or traded in, City shall receive a proper refund or credit at the conclusion of the Agreement, or if the Agreement is terminated, Consultant may either keep the equipment and credit City in an amount equal to its fair market value, or sell such equipment at the best price obtainable at a public or private sale, in accordance with established City procedures; and credit City in an amount equal to the sales price. If Consultant elects to keep the equipment, fair market value shall be determined at Consultant's expense, on the basis of a competent independent appraisal of such equipment. Appraisals shall be obtained from an appraiser mutually agreeable to by City and Consultant, if it is determined to sell the equipment, the terms and conditions of such sale must be approved in advance by City." 49 CFR, Part 18 requires a credit to Federal funds when participating equipment with a fair market value greater than \$5,000 is credited to the project.
- V. All subcontracts in excess \$25,000 shall contain the above provisions.

ARTICLE XI - INSPECTION OF WORK

Consultant and any subcontractor shall permit City, the state, and the FHWA if federal participating funds are used in this Agreement; to review and inspect the project activities and files at all reasonable times during the performance period of this Agreement including review and inspection on a daily basis.

ARTICLE XII - SAFETY

- W. Consultant shall comply with OSHA regulations applicable to Consultant regarding necessary safety equipment or procedures. Consultant shall comply with safety instructions issued by City Safety Officer and other City representatives. Consultant personnel shall wear hard hats and safety vests at all times while working on the construction project site.
- X. Pursuant to the authority contained in Section 591 of the Vehicle Code, City has determined that such areas are within the limits of the project and are open to public traffic. Consultant shall comply with all of the requirements set forth in Divisions 11, 12, 13, 14, and 15 of the Vehicle Code. Consultant shall take all

reasonably necessary precautions for safe operation of its vehicles and the protection of the traveling public from injury and damage from such vehicles.

- Y. Any subcontract entered into as a result of this Agreement, shall contain all of the provisions of this Article.

ARTICLE XIII - OWNERSHIP OF DATA

- Z. Upon completion of all work under this Agreement, ownership and title to all reports, documents, plans, specifications, and estimates produce as part of this Agreement will automatically be vested in City; and no further agreement will be necessary to transfer ownership to City. Consultant shall furnish City all necessary copies of data needed to complete the review and approval process.
- AA. It is understood and agreed that all calculations, drawings and specifications, whether in hard copy or machine-readable form, are intended for one-time use in the construction of the project for which this Agreement has been entered into.
- BB. Consultant is not liable for claims, liabilities, or losses arising out of, or connected with the modification, or misuse by City of the machine-readable information and data provided by Consultant under this Agreement; further, Consultant is not liable for claims, liabilities, or losses arising out of, or connected with any use by City of the project documentation on other projects for additions to this project, or for the completion of this project by others, except only such use as many be authorized in writing by Consultant.
- CC. Any subcontract in excess of \$25,000 entered into as a result of this Agreement, shall contain all of the provisions of this Article.

ARTICLE XIV - CLAIMS FILED BY CITY'S CONSTRUCTION CONTRACTOR

- DD. If claims are filed by City's construction contractor relating to work performed by Consultant's personnel, and additional information or assistance from Consultant's personnel is required in order to evaluate or defend against such claims; Consultant agrees to make its personnel available for consultation with City's construction contract administration and legal staff and for testimony, if necessary, at depositions and at trial or arbitration proceedings.
- EE. Consultant's personnel that City considers essential to assist in defending against construction contractor claims will be made available on reasonable notice from City. Consultation or testimony will be reimbursed at the same rates, including travel costs that are being paid for Consultant's personnel services under this Agreement.
- FF. Services of Consultant's personnel in connection with City's construction contractor claims will be performed pursuant to a written amendment, if necessary, extending the termination date of this Agreement in order to resolve the construction claims.

GG. Any subcontract in excess of \$25,000 entered into as a result of this Agreement, shall contain all of the provisions of this Article.

ARTICLE XV - CONFIDENTIALITY OF DATA

HH. All financial, statistical, personal, technical, or other data and information relative to City's operations, which are designated confidential by City and made available to Consultant in order to carry out this Agreement, shall be protected by Consultant from unauthorized use and disclosure.

II. Permission to disclose information on one occasion, or public hearing held by City relating to the Agreement, shall not authorize Consultant to further disclose such information, or disseminate the same on any other occasion.

JJ. Consultant shall not comment publicly to the press or any other media regarding the Agreement or City's actions on the same, except to City's staff, Consultant's own personnel involved in the performance of this Agreement, at public hearings or in response to questions from a Legislative committee.

KK. Consultant shall not issue any news release or public relations item of any nature, whatsoever, regarding work performed or to be performed under this Agreement without prior review of the contents thereof by City, and receipt of City's written permission.

LL. Any subcontract entered into as a result of this Agreement shall contain all of the provisions of this Article.

MM. All information related to the construction estimate is confidential, and shall not be disclosed by Consultant to any entity other than City.

ARTICLE XVI - NATIONAL LABOR RELATIONS BOARD CERTIFICATION

In accordance with Public Contract Code Section 10296, Consultant hereby states under penalty of perjury that no more than one final unappealable finding of contempt of court by a federal court has been issued against Consultant within the immediately preceding two-year period, because of Consultant's failure to comply with an order of a federal court that orders Consultant to comply with an order of the National Labor Relations Board.

ARTICLE XVII - EVALUATION OF CONSULTANT

Consultant's performance will be evaluated by City. A copy of the evaluation will be sent to Consultant for comments. The evaluation together with the comments shall be retained as part of the Agreement record.

ARTICLE XVIII - STATEMENT OF COMPLIANCE

- NN. Consultant's signature affixed herein, and dated, shall constitute a certification under penalty of perjury under the laws of the State of California that Consultant has, unless exempt, complied with, the nondiscrimination program requirements of Government Code Section 12990 and Title 2, California Administrative Code, Section 8103.
- OO. During the performance of this Agreement, Consultant and its subcontractors shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (e.g., cancer), age (over 40), marital status, and denial of family care leave. Consultant and subcontractors shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment. Consultant and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12990 (a-f) et seq.) and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Agreement by reference and made a part hereof as if set forth in full. Consultant and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other Agreement.

ARTICLE XIX - DEBARMENT AND SUSPENSION CERTIFICATION

- PP. Consultant's signature affixed herein, shall constitute a certification under penalty of perjury under the laws of the State of California, that Consultant has complied with Title 2 CFR Part 180, "OMB Guidelines to Agencies on Government wide Debarment and Suspension (nonprocurement)", which certifies that he/she or any person associated therewith in the capacity of owner, partner, director, officer, or manager, is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; has not been suspended, debarred, voluntarily excluded, or determined ineligible by any federal agency within the past three (3) years; does not have a proposed debarment pending; and has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three (3) years. Any exceptions to this certification must be disclosed to City.
- QQ. Exceptions will not necessarily result in denial of recommendation for award, but will be considered in determining Consultant responsibility. Disclosures must indicate to whom exceptions apply, initiating agency, and dates of action.

RR. Exceptions to the Federal Government Excluded Parties List System maintained by the General Services Administration are to be determined by the Federal highway Administration.

ARTICLE XX - STATE PREVAILING WAGE RATES

SS. Consultant shall comply with the State of California's General Prevailing Wage Rate requirements in accordance with the California Labor Code, Section 1770, and all Federal, State, and local laws and ordinances applicable to the work.

TT. Any subcontract entered into as a result of this contract shall contain all of the provisions of this Article.

ARTICLE XXI - CONFLICT OF INTEREST

UU. Consultant shall disclose any financial, business, or other relationship with City that may have an impact upon the outcome of this Agreement, or any ensuing City construction project. Consultant shall also list current clients who may have a financial interest in the outcome of this Agreement, or any ensuing City construction project, which will follow.

VV. Consultant hereby certifies that it does not now have, nor shall it acquire any financial or business interest that would conflict with the performance of services under this Agreement.

WW. Any subcontract in excess of \$25,000 entered into as a result of this Agreement, shall contain all of the provisions of this Article.

XX. Consultant hereby certifies that neither Consultant, nor any firm affiliated with Consultant will bid on any construction contract, or on any contract to provide construction inspection for any construction project resulting from this Agreement. An affiliated firm is one, which is subject to the control of the same persons through joint-ownership, or otherwise.

YY. Except for subcontractors whose services are limited to providing surveying or materials testing information, no subcontractor who has provided design services in connection with this Agreement shall be eligible to bid on any construction contract, or on any contract to provide construction inspection for any construction project resulting from this Agreement.

ARTICLE XXII - REBATES, KICKBACKS OR OTHER UNLAWFUL CONSIDERATION

Consultant warrants that this Agreement was not obtained or secured through rebates kickbacks or other unlawful consideration, either promised or paid to any City employee. For breach or violation of this warranty, City shall have the right in its discretion; to terminate the Agreement without liability; to pay only for the value of the work actually performed; or to deduct from the contract price; or otherwise recover the full amount of such rebate, kickback or other unlawful consideration.

ARTICLE XXIII - NON-DISCRIMINATION CLAUSE

During the performance of this Contract, Consultant and its subconsultant shall not unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), mental disability, medical condition (e.g., cancer), age (over 40), marital status, and denial of family care leave. Consultant and subconsultants shall insure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment.

Consultant and subconsultants shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code §12990 (a-f) et seq.) and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations, are incorporated into this Contract by reference and made a part hereof as if set forth in full. Consultant and its subconsultants shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other Agreement.

Consultant shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the Contract.

ARTICLE XXIV – ADDITIONAL REQUIREMENTS

The completed Exhibits 10-F, 10-I, 10-01, and 10-P of the Caltrans Local Assistance Procedures Manual are attached hereto and incorporated herein.



AKM Consulting Engineers

553 Wald
Irvine, CA 92618

Telephone: 949.753.7333

Facsimile: 949.753.7320

Water
Resources

Infrastructure

Construction
Management

Municipal
Services

March 16, 2015

CITY OF MANHATTAN BEACH

1400 Highland Avenue
Manhattan Beach, CA 90266

Attn: Mr. Joe Parco, PE, City Engineer

Subject: Statement of Qualifications to Provide On-Call Utility Design Services

Dear Mr. Parco:

In response to your Request for Qualifications dated February 20, 2015, and Addendum 1, 2, and 3, AKM Consulting Engineers is pleased to submit this statement of qualifications to provide on-call utility design services for the City of Manhattan Beach. Our proposal reflects our understanding of the scope of work based upon the RFQ, review of the Contract Documents, insurance documents, and information provided by the City of Manhattan Beach. Contact information for this proposal is:

Legal Name of Firm:	AKM CONSULTING ENGINEERS, INC. 553 Wald, Irvine, California 92618
Year Firm Established:	1990
Contact Information:	Mr. Zeki Kayiran, Principal zkayiran@akmce.com Phone: (949) 753-7333 FAX: (949) 753-7320
Years in Business:	24
General Description:	California Corporation
Federal Employer ID:	33-0422066

AKM has a single office located in Irvine, California. It is privately owned by an individual (Zeki Kayiran), It is a full service organization which specializes in providing potable water, wastewater, recycled water, and stormwater engineering and related services to a wide Southern California public agency client base since its inception in August 1990. AKM has a long and distinguished record of providing on-call professional services to public agencies, and pledges the timely deployment of resources to successfully undertake any task that the City of Manhattan Beach may assign. Our Project Team includes specialty sub-consultants, UltraSystems Environmental for environmental services, Aesco for geotechnical investigation, Coast Surveying for surveying, Traffic Control Engineering for traffic control, and Geoscience for hydrogeology as an "as-needed" service, all will assist AKM in providing the required services for the project.

All projects undertaken by AKM are managed by senior staff. Because our projects are completed by experienced personnel, they are technically accurate, highly detailed, and thoroughly prepared. Each project undergoes complete QA/QC reviews by the firm's principals and construction experts to insure that all design and constructability issues are addressed prior to bidding of the project. This level of development and review extends to our cost estimates of the work, which we prepare for each and every assignment so that the City of Manhattan Beach has an accurate assessment of the construction cost prior to bid.

AKM has entered into on-call contracts with the following firms in the last 5 years:

Agency	Year Started and Completed	Type of Service	Project Description	Project Manager
Moulton Niguel Water District	2015-Current	On-Call	Water, Wastewater, Recycled Water Design	Zeki Kayiran
Orange County Public Works	2014-Current	On-Call Flood Control	Flood Control Plan Check, Studies and Design	Zeki Kayiran
City of Camarillo/Camarillo Sanitary District	2011-Current	On-Call	Water, Wastewater, Recycled Water Studies and Design	Zeki Kayiran
City of Corona	2011-Current	On-Call	Water, Wastewater, Recycled Water Studies and Design	Gary Hobson
City of Anaheim	2010-2015	As-Needed	Drainage and Sewer Design	Morgan Ying
West Basin Municipal Water District	2013	On-Call	Recycled Water Studies and Design	John Loague
City of Huntington Beach	2013	As-Needed Construction Management and Inspection	CM, Inspection	Emin Kayiran
City of Los Angeles	2012	On-Call Planning and Technical Support of Wastewater, Stormwater, and Solid Resources Programs	Wastewater Studies and Design	Zeki Kayiran
City of Cypress	2012	On-Call Construction Management/Engineering Support/ Testing and Inspection Services	Wastewater and Drainage Studies, Design, CM/Inspection	Zeki Kayiran
City of Manhattan Beach	2011	As-Needed Services	Wastewater Studies	Diann Pay
City of Tustin	2010	As-Needed Engineering Services	Water Studies and Design	Zeki Kayiran
City of Ontario	2010	On-Call Engineering Services	Water and Wastewater Studies	Zeki Kayiran

AKM has never failed or refused to complete a contract.

Zeki Kayiran, P.E. is the sole owner of the firm.

AKM has no interest in other lines of business.

We appreciate the opportunity to submit our statement of qualifications and look forward to being of service to the City of Manhattan Beach on this most important on-call services program. Our proposal is valid for 90 days. AKM is willing and able to submit proof of the required insurance coverage as set forth in the Sample Professional/Consultant Services Agreement found in the SOQ.

Should you have any questions regarding our submittal or require additional information, please do not hesitate to contact the undersigned.

Very truly yours,

AKM Consulting Engineers



Zeki Kayiran, P.E.
Principal



City of Manhattan Beach

Public Works Department

Phone: (310) 802-5568

FAX: (310) 802-5590

TDD: (310) 546-3501

REQUEST FOR PROPOSAL

Addendum No. 1

BID NUMBER: RFP# - 1030-15
BID TITLE: On-Call Utility Design Services
REQUESTING DEPARTMENT: Public Works – Engineering Division
RELEASE DATE: February 20, 2015
DUE DATE: Monday, March 16, 2015 @ 3:00 p.m. PST

The following changes are made to this Request for Proposal:

1. Include the following in the response to 2.3 RESUMES AND QUALIFICATIONS OF PERSONNEL:
 - List the start of employment date and number of years with current firm for each personnel listed
 - Demonstrate personnel and resource availability for providing the requisite services for this engagement
2. In response to Section 2.4 REFERENCES - list the start date and completion date(if applicable) for each project listed
3. Proposals should be limited to no more than 60 pages.
4. All forms in the appendices are to be completed and submitted with the proposal.
5. Acknowledge receipt of this addendum by signing and including in the proposal.

Joe Parco, P.E.
City Engineer

Received:



City of Manhattan Beach

Public Works Department

Phone: (310) 802-5568

FAX: (310) 802-5590

TDD: (310) 546-3501

REQUEST FOR PROPOSAL Addendum No. 2

BID NUMBER: RFP# - 1030-15
BID TITLE: On-Call Utility Design Services
REQUESTING DEPARTMENT: Public Works – Engineering Division
RELEASE DATE: February 20, 2015
DUE DATE: Wednesday, March 16, 2015 @ 3:00 p.m. PST

The City received the following questions:

1. Regarding page 7, Section 2.5 - Overview and Approach. Do we need to provide highway design and traffic engineering?

Response: Paragraph 1 includes the following sentence: "Proposer must articulate a thorough understanding of highway design, traffic engineering, the CEQA / NEPA process, State and Federal requirements, and all other professional engineering tasks required to prepare a comprehensive bid package for this project".

The sentence should read "Proposer must articulate a thorough understanding of utility design, the CEQA / NEPA process, State and Federal requirements, and all other professional engineering tasks required to prepare a comprehensive bid package for this project".

2. Are the forms included in the 60 page count?
Response: No
3. Is the good faith effort documentation included in the 60 page count?
Response: No
4. Acknowledge receipt of this addendum by signing and including in the proposal.

Joe Parco, P.E.
City Engineer

Received:



City of Manhattan Beach Public Works Department

Phone: (310) 802-5568
FAX: (310) 802-5590
TDD: (310) 546-3501

REQUEST FOR PROPOSAL Addendum No. 3

BID NUMBER: RFP# - 1030-15
BID TITLE: On-Call Utility Design Services
REQUESTING DEPARTMENT: Public Works – Engineering Division
RELEASE DATE: February 20, 2015
DUE DATE: Wednesday, March 16, 2015 @ 3:00 p.m. PST

1. The following condition is added to Appendix 4:
By signing Appendix 4, consultant hereby agrees to all terms of the sample agreement (Appendix 10). Any exceptions to the sample agreement must be submitted with the response to the RFP.
2. Acknowledge receipt of this addendum by signing and including in the proposal.

Joe Parco, P.E.
City Engineer

Received:

<u>SECTION</u>	<u>Page</u>
Cover Letter	
Firm Overview.....	1-1
Project Team	2-1
Resumes / Qualifications of Personnel.....	3-1
References / Related Experience	4-1
Overview and Approach.....	5-1
Compensation / Payment Schedule	6-1
SOQ Forms.....	7-1

Appendix - DBE Forms

***Hourly rate schedules are provided in separate sealed envelope as requested in SOQ*

SECTION 1 – FIRM OVERVIEW

Legal Name of Firm:	AKM CONSULTING ENGINEERS, INC. 553 Wald, Irvine, California 92618
Year Firm Established:	1990
Contact Information:	Mr. Zeki Kayiran, Principal zkayiran@akmce.com Phone: (949) 753-7333 FAX: (949) 753-7320
General Description:	California Corporation
Federal Employer ID:	33-0422066

Firm’s Profile

AKM Consulting Engineers is a multi-disciplined professional organization that specializes in providing potable water, wastewater, recycled water, and stormwater engineering and related services to public agencies.

The scope of services offered by AKM includes all facets of planning, design and construction management for potable water, recycled water, wastewater, and flood control projects. We have a long and distinguished record of providing on-call services to public agencies, through which we have maintained their models; conducted repair and rehabilitation project services; as well as implemented capital improvement facility designs and construction management/support services.

A full listing of services offered by AKM is as follows:

POTABLE WATER, RECYCLED WATER, WASTEWATER, AND FLOOD CONTROL	
<ul style="list-style-type: none"> ▪ Master Plans ▪ Water Treatment ▪ Water Reclamation ▪ Water Pump Stations ▪ Wells ▪ Sewer Pump Stations and Force mains ▪ Stormwater Pump Stations ▪ Sewer Collection Facilities ▪ Storm Drains and Channels 	<ul style="list-style-type: none"> ▪ Transmission and Distribution Pipelines ▪ Reservoirs ▪ Capital and Facilities Plans ▪ Improvement Plans ▪ Hydraulic Analysis ▪ Hydraulic Structures ▪ Permitting and Regulatory Compliance ▪ Water Quality
PLANNING	
<ul style="list-style-type: none"> ▪ Project Planning ▪ Potable Water, Recycled Water, Waste Water, and Storm Water Master Plans ▪ Facility Planning ▪ Economic and Financial Planning 	<ul style="list-style-type: none"> ▪ Conjunctive Use Planning ▪ Sewer System Management Plans (SSMP) ▪ Rate Studies ▪ Urban Water Management Plans ▪ Water Supply Assessments
TECHNICAL SERVICES	
<ul style="list-style-type: none"> ▪ Supervisory Control and Data Acquisition (SCADA) ▪ Geographic Information Systems (GIS) 	<ul style="list-style-type: none"> ▪ Scheduling ▪ CADD (Microstation, AutoCAD)
CONSTRUCTION SUPPORT	
<ul style="list-style-type: none"> ▪ Contract Administration ▪ Inspection ▪ Construction Management ▪ Resident and Field Services 	<ul style="list-style-type: none"> ▪ Procurement ▪ Start-Up and Acceptance ▪ Project Close-Out ▪ Estimating

AKM Consulting Engineers has completed water resources assignments for the Orange County Water District, West Basin Municipal Water District, Irvine Ranch Water District, Mesa Water District, South Montebello Irrigation District, Moulton Niguel Water District, Santa Margarita Water District, Monte Vista Water District, Central Basin Municipal Water District; Alhambra, Arcadia, El Segundo, Glendora, Inglewood, Los Angeles, Manhattan Beach, Palos Verdes Estates, Redondo Beach, Whittier, Anaheim, Brea, Cypress, Fountain Valley, Garden Grove, Huntington Beach, Newport Beach, San Clemente, San Juan Capistrano, Seal Beach, Stanton, Tustin, Camarillo, Port Hueneme, Cities of Corona, Ontario, San Bernardino, and San Diego; Los Angeles County Department of Public Works, Orange County Flood Control District/Public Works, Orange County Sanitation District, Camarillo Sanitary District, Garden Grove Sanitary District, Inland Empire Utilities Agency, and the US Army Corps of Engineers.

TECHNICAL STAFF

The technical staff of AKM is comprised of recognized experts in water resources planning, design, construction, operations and management. Every assignment is managed by principals of the firm to ensure that the project receives detailed attention. All work is thoroughly reviewed by senior company officers prior to any milestone submittal or issuance of project documents.

COMPUTER APPLICATIONS

The achievement of superior engineering services is assisted by the continued implementation of advanced computer applications, modeling software, techniques and products. The office maintains in-house CADD capabilities (MicroStation and AutoCAD), and engineering design work and computations are computer based. An in-house library of standard software application packages is maintained and continually updated.

QUALIFICATIONS

AKM Consulting Engineers, by virtue of its extensive relevant experience, specialized training, local knowledge, and technical competence, can provide the City of Manhattan Beach with first rate engineering consulting services for on-call projects. All proposed team members possess experience directly related to all facets of potable water and wastewater planning, design, and construction support.

SECTION 2 – PROJECT TEAM

AKM Consulting Engineers provides an in-house multi-disciplinary staff of professionals who are recognized specialists in their areas of expertise. The staff members have superb technical training and academic backgrounds. Furthermore, they regularly attend technical seminars to keep abreast of the professional developments in their fields.

AKM's proposed Project Team members have a long and distinguished track record in the performance of quality engineering services, especially with respect to planning, design, and construction inspection/management of potable water and wastewater system improvements. Our Project Team is well qualified to undertake the work and provide superior technical and project management services. All key members are fully committed to this project when they perform the specific scope of work tasks. Key team members will not be substituted without prior written approval from the City of Manhattan Beach. Resumes with relevant experience of key project personnel are included in Section 3 as requested in the SOQ.

AKM has reviewed our backlog for the next year, and are confident that we are able to meet the requirements of the City of Manhattan Beach's requirements for On-Call Utility Services.

**Zeki Kayiran, P.E., AKM Principal
PE C29330**

Assignment: Project Supervisor / Administrator

Zeki Kayiran, P.E., will be the Project Supervisor/Administrator. He will be the responsible representative of AKM to the City of Manhattan Beach. In this capacity, Mr. Kayiran will provide project technical oversight and management direction. He will ensure that adequate and appropriate resources shall remain available to the project for the entire duration. He will participate in the overall schedule and project development process and will be available to contribute in all project-related matters. Mr. Kayiran has over 40 years of water resources engineering experience including 32 water and recycled water master plans; 26 sewer master plans; 16 master plans of drainage; 28 wells; 30 water and recycled water pump stations; 48 wastewater pump stations; 13 stormwater pump stations; 16 reservoirs; 25 pressure reducing stations; over 500,000 feet of transmission and distribution pipelines; and numerous on-call service contracts. His background has a blend of consulting engineering and academic experience, which includes part-time instruction in fluid mechanics and hydraulic design at California State University, Long Beach; and in water system planning, and well and pump station design for UC Irvine's Senior Design Project class.

**John Loague, P.E., AKM Principal
PE C50292**

Assignment: Project Manager/ Project Engineer

Mr. John Loague, P.E. has over 29 years of responsible experience in the planning, design and construction of water and recycled water pump stations (24), reservoirs (8), pressure reducing stations (23), sewage pump stations (45), sewer improvements and treatment plants, sewer master plans (12), water master plans (9), wells (22), stormwater pump stations (10), transmission and distribution facilities (over 500,000 feet), and disinfection facilities. Depending upon the project's needs, he will serve as a project manager or project engineer.

**Gary Hobson, P.E., AKM Principal Engineer
PE C29330**

Assignments: Alternate Project Manager/Project Engineer

Mr. Gary Hobson, P.E. has over 38 years of responsible experience in water resources engineering. His professional experience covers client and project management, planning, design, and construction support for a variety of public works projects in both local and federal government sectors. Specific areas of expertise include water and wastewater treatment, wells (30), water/recycled water pump stations (22), reservoirs (25), pressure reducing stations (22), disinfection facilities (18), stormwater pump stations (7), water/recycled water master plans (10), and nearly 1 million feet of transmission and distribution system piping. Mr. Hobson also participated in quality control and value engineering teams for multi-disciplinary engineering projects. Depending upon the client's needs, he will serve as alternate project manager, alternate project engineer, or quality assurance/quality control manager.

Morgan Ying, P.E., Q.S.D, AKM Principal Engineer

**Assignments: Sewer Design/
/ Storm Drain Design /Water
Quality Management Plans**

Mr. Morgan Ying, P.E., is a Senior Associate with AKM. He will be responsible for hydrologic and hydraulic studies, and design of flood control and sewer facilities. Mr Ying has over 27 years of responsible experience in the planning, design, and construction of major flood control and sewer facilities.

**Diann Pay, P.E., AKM Principal Engineer
C60298, NASCCO PACP T-1003-947****Assignments: Hydraulic Analyses, Water and
Wastewater Planning, and Condition Assessment**

Ms. Diann Pay, P.E. serves as the Company's Director of Planning. She has served as Project Engineer during the preparation of twenty-two (22) water master plans and master plan updates, eight (8) recycled water master plans/updates, and twenty five (25) sewer master plans and master plan updates. She developed calibrated models for nearly all of these projects, including water quality models for some. She has also been responsible for conducting hydraulic analyses leading to pump selections for wells and pump stations, pressure reducing station valve selections, development of operational procedures for scheduled shutdown of major sources of supply; preparing model user manuals and training agency staff in model development and use; and conducting special studies as needed by AKM clients.

**Ronald Wong, P.E., S.E., AKM Senior Engineer
PE C29847, S3896****Assignments: Structural Evaluation and Design**

Mr. Ronald Wong, P.E., S.E., is a Senior Associate with AKM Consulting Engineers. He has 34 years of experience in designing complex structures, reservoirs, wells, pump stations, and treatment plants. Mr. Wong will be responsible for structural design related to pump stations, wells, reservoirs, and other structures, and providing construction support/specialty inspection as needed.

**Jared Lee, P.E., AKM Senior Engineer
PE C71422****Assignments: Design Engineer / Mechanical Engineer**

Mr. Jared Lee has over twelve years of water resources engineering experience, including the preparation of plans, specifications and cost estimates, and providing construction support services. He has completed pump station, well, and pipeline projects for the Cities of Seal Beach, Fountain Valley, Garden Grove, Huntington Beach, Tustin, Santa Fe Springs, Arcadia, Alhambra, and West Basin Municipal Water District; and water main projects for the Cities of Cypress, Fountain Valley, Alhambra, Whittier, and Seal Beach; and West Basin Municipal Water District, Santa Margarita Water District, and South Montebello Irrigation District.

**Jon Nitta, P.E., AKM Senior Engineer
PE C696987****Assignments: Hydraulic Analyses /
Pipeline Design**

Mr. Jon Nitta, P.E. is an expert in developing calibrated models of water, recycled water, wastewater, and stormwater systems, master planning, and conducting special studies with the use of the models. He has served as Lead Engineer or Project Engineer during the preparation of ten (10) water master plans and master plan updates, four (4) recycled water master plans/updates, sixteen (16) sewer master plans and master plan updates, and four (4) stormwater master plans and master plan updates. He has been responsible for the design of pipelines for the Cities of Whittier, Alhambra, and West Basin Municipal Water District. He developed calibrated models for the Cities of Seal Beach, Port Hueneme, Manhattan Beach, and Monterey Park, and Irvine Ranch Water District, including water quality models. He has conducted hydraulic analyses leading to pump selections for wells and pump selections, developing operational procedures for scheduled shutdown of major sources of supply; and utilizing the models for selecting sampling sites for Initial Distribution System Evaluation (IDSE) in compliance with the Stage 2 Disinfectants/Disinfection Byproducts Rule. He is a NASSCO Certified Pipeline, Manhole, and Lateral assessor.

Emin Kayiran, CPII, Construction Manager**Assignment: Constructability Review**

Mr. Emin Kayiran, who has been a Construction Manager/Inspector with AKM since 2005, has a broad background in construction management, inspection, and scheduling. Mr. Kayiran's experience includes management and inspection of wells, pump stations, treatment facilities, pipelines, reservoirs, cast-in-place and precast concrete structures, protective coatings and linings, electrical and control systems, telemetry and SCADA systems, and management of hazardous materials removal. He provides constructability review and QA/QC of AKM design projects.

Glen Deiter, Construction Manager**Assignment: Constructability Review**

State Contractors License 661200, A, C-36, HAZ, 1991

Mr. Glen Deiter has over 30 years of experience in various aspects of construction, construction management, project scheduling, estimating, cost control, change order preparation, contract negotiation and inspection services on public works projects for state and local (counties, cities and special districts) agencies, and commercial/industrial projects. As a California licensed contractor, he constructed wells; potable water, wastewater, and stormwater pump stations;

water treatment plants; pipelines; street improvements; and building improvements. Mr. Deiter currently holds a California Class A and C-36 with Hazmat endorsement Contractor's License. He conducts quality control and constructability reviews of AKM projects, and provides construction management and inspection services on well, pump station, treatment plant, and pipeline projects.

Steve Patterson, Construction Manager

Assignment: Constructability Review

Mr. Steve Patterson, a Construction Manager/Inspector with AKM since 2008, has over 25 years of potable water, recycled water, wastewater, and storm water infrastructure construction, operation, maintenance, and design experience. His practical field experience, training and comprehensive utility science background with the ability to thoroughly research complex situations, propose creative solutions, manage and bring projects ahead of schedule and under budget are assets he brings to AKM's team. Mr. Patterson has significant experience managing and inspecting construction with an emphasis on potable water, and sewer projects. He has served as the Utilities Operations Manager for a municipally owned water/wastewater/recycled water utility. Mr. Patterson has thorough knowledge of, and training in occupational hazards and safety precautions and requirements as they pertain to the construction, operations and repair of public works infrastructure.

SUBCONSULTANTS

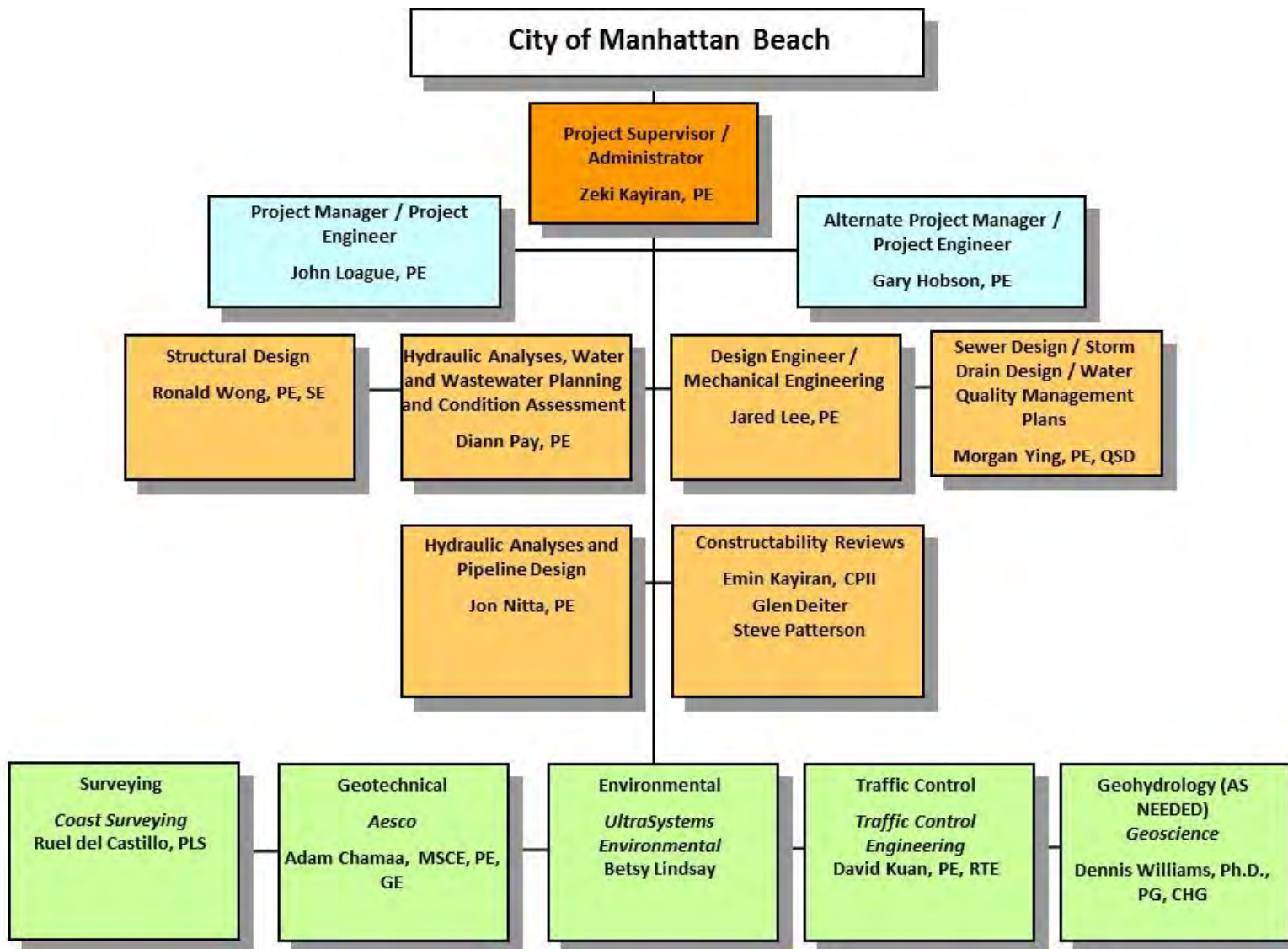
Coast Surveying will provide surveying services under the direction of **Mr. Ruel del Castillo, PLS** with more than 50 years of experience in the land surveying profession. Coast Surveying, Inc., a California Corporation, was founded in 1981. Coast specializes in surveying, mapping, aerial photogrammetry and Right-of-Way mapping. Approximately 98% of work is performed for public agencies, including: Caltrans - Districts 5, 6, 7, 8, 9, 11 and 12; METRO; NAVFAC; OCTA; RCTC; SCRRA; SCAG; TCA; MWD; U.S. Army Corp of Engineers; U.S. Navy; WBMWD; numerous cities; water districts; and the Counties of Orange and Los Angeles. Coast has built a solid reputation by consistently performing quality services, responding immediately to client requests and delivering projects on schedule and within budget. The satisfaction of clients is evidenced by the fact that 85% of work is from previous clients. Coast Surveying, Inc. is a Certified DBE/SBE/MBE firm. Coast Surveying, Inc. is a financially stable company with 12 employees of which 4 are highly qualified licensed surveyors.

AESCO will provide geotechnical services under the direction of **Mr. Russell Scharlin, MSCE, PE, PG.**, AESCO has been retained as the civil testing/inspection, and geotechnical engineering firm for local government and municipal agencies, school districts, commercial developers, and private homeowners. They have experience in a wide variety of projects involving design of pipelines, street improvement projects, geotechnical engineering, and inspection services.

Traffic Control Design will be completed by **Traffic Control Engineering** under the director of **Mr. David Kuan P.E., R.T.E.** Traffic Control Engineering is a DBE/MBE certified by the Port of Long Beach, San Diego County Water Authority, and City of Los Angeles. David Kuan, P.E., R.T.E., will oversee the preparation of traffic control plans for the tasks that require these services. He has a substantial track record in preparing traffic management plans and construction traffic control plans. Traffic Control Engineering's familiarity with local government requirements will be a great asset in assuring timely project completion. AKM has worked with Traffic Control Engineering on several successful projects.

Environmental services will be conducted by **UltraSystems Environmental** under the direction of **Ms. Betsy Lindsay**. UltraSystems Environmental Incorporated (UltraSystems) is a full-service, planning and environmental consulting firm, serving both public and private sector clients throughout Southern California. UltraSystems utilizes a broad range of experience with residential, commercial, industrial, institutional, and infrastructure-related projects to prepare legally defensible studies in full compliance with Cal-EPA toxics regulations, Public Health and Safety Code guidelines, the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA) guidelines. UltraSystems is striving to become the leading provider of environmental review, compliance, and monitoring support to the Southern California agencies and businesses through a combination of unparalleled results, commitment to quality, and professionalism.

Geohydrology will be provided as an "as needed" service by **Geoscience** under the direction of **Dr. Dennis Williams, Ph.D, PG, CHG.** Geoscience Support Services, Incorporated, was formed in 1978 by Dennis E. Williams to provide consulting services to the ground water industry. As professional ground water hydrologists and geologists, Geoscience specializes in ground water planning, development and management, ground water quality protection, and ground water related litigation support. Combining the scientific method with sound engineering judgment, Geoscience gives its clients careful consideration and understanding of their particular ground water project or problem in a thorough, methodical plan.



**Mr. Zeki Kayiran, P.E.****Project Role:** Project

Supervisor/Administrator

Professional Registration

Registered Civil Engineer, California,

1978 [C-29330]

Education

Master of Science in Civil Engineering

- California State University, Long

Beach, California

Bachelor of Science in Civil

Engineering - Robert College

Years of Experience: 40**With AKM Since:** 1990 (24 Years)

Mr. Kayiran, a Principal with AKM, provides comprehensive technical and management expertise in the planning, design, and construction management of a wide variety of engineering projects. His professional background includes a blend of consulting engineering and academic experience, including part-time instruction in the field of fluid mechanics and hydraulic design at California State University, Long Beach. He has been teaching water system planning and well/treatment facility design as part of the senior design project class at UC Irvine. Mr. Kayiran's experience includes the following:

WATER PIPELINE AND TRANSMISSION MAINS

- Eastern Wells Pipeline for the City of San Juan Capistrano (9,400 LF of 16-inch and 20-inch PVC)
- Mines Avenue Transmission Main Replacement for the South Montebello Irrigation District (2,300 LF of 12-inch DIP)
- Groundwater Development Projects, Reach 4 and Reach 1 for the City of Newport Beach (33,000 LF of 36-inch CML&C Steel)
- Zone II Domestic Water Transmission Main for the Santa Margarita Water District (3,500 LF of 24-inch CML&C Steel)
- Zone II and Zone III Transmission Mains for Santa Margarita Water District (10,400 LF of 24-inch and 2000 LF of 16-inch CML&C Steel)
- Dover Drive Transmission Main Replacement for the City of

Newport Beach (1,500 LF of 36-inch CML&C Steel)

- Relocation OC 44 for Mesa Water District and the City of Huntington Beach (5,000 LF of 42-inch CML&C Steel)
- Harbor Area Recycled Water Conveyance Pipeline for West Basin Municipal Water District/LADWP (23,000 LF of 30-inch DIP)
- Well 9 Discharge Pipe for the City of Fountain Valley (2,800 LF of 16-inch CML&C Steel)
- Central Arizona Project Pipeline for Chaparral City Water Company (26,000 feet of 24-inch DIP)

WELLS

- Drilling and Equipping of Edinger Well for the City of Tustin
- Drilling and Equipping of Well 9 for the City of Fountain Valley
- Drilling and Equipping of Lampson Avenue Well for the City of Seal Beach
- Drilling and Equipping of Well 31 for the City of Garden Grove
- Drilling and Equipping of Eastern Wells **(2)** for the City of San Juan Capistrano
- Drilling and Equipping of Well 7 for the City of San Clemente
- Drilling and Equipping of Well 58 for the City of Anaheim
- Drilling and Equipping of Well 11 for the City of Corona
- Drilling and Equipping of Well 28 for the City of Corona
- Improvements to 17th Street Well 4 for the City of Tustin
- Equipping of Pasadena Avenue Well for the City of Tustin
- Equipping of Vandenberg Well for the City of Tustin
- Re-development and Equipping of Well 3 for the City of Camarillo
- Equipping of Well 12 for the City of Santa Fe Springs
- Re-equipping of Well 15 for the City of Manhattan Beach
- Equipping of North Area Open Space Well for the City of San Juan Capistrano
- Re-equipping of Well 6 for the City of San Clemente
- Equipping of Fern Well for the City of Monterey Park
- Equipping of Palm Avenue Well for Valley County Water District

WATER BOOSTER PUMP STATIONS

- Beverly Manor Booster Pump Station for the City of Seal Beach
- Replacement of Reservoir No. 1 Booster Pump Station for the City of Fountain Valley
- Upgrades to Hidden Canyon Pump Station for the City of Anaheim
- Camino Real Booster Pump Station for the City of Arcadia
- Orange Grove Booster Pump Station for the City of Arcadia
- Ontario Booster Pump Station for the City of Corona
- Navy Booster Pump Station for the City of Seal Beach
- Schlegel Booster Pump Station for the City of San Clemente
- Santiago Canyon Estates Booster Pump Station for Trabuco Canyon Water District
- Sierra Del Oro Pump Station for the City of Corona
- Zone 2 and 4 Pump Stations for the City of Corona
- Central Arizona Project Pump Station for the Chaparral City Water Company
- Cactus -Heacock Booster Pump Station for the Eastern Municipal Water District
- Washington Pump Station for the Eastern Municipal Water District
- Value Engineering of Diamond Valley Pump Station and P-1 Pressure Control Facility for the Metropolitan Water District of Southern California

RESERVOIRS

- R-3 Reservoir for the City of Corona (2.5 MG Prestressed Concrete)
- 574 Zone Reservoir for the City of San Clemente (0.2 MG Prestressed Concrete)
- Navy Reservoir Improvement for the City of Seal Beach
- Jameson Reservoir for the City of Corona (2.5 MG Prestressed Concrete)
- Reservoir 10A for the City of Orange (2 MG Steel)
- Reservoir No. 7 for the City of Monterey Park (2 MG Steel)
- Sheephills Reservoir for the Moulton Niguel Water District (3.5 MG Steel)
- Raw Water Reservoir for Chaparral City Water Company (2.5 MG Steel)
- Raw Water Reservoir for Ramona Municipal Water District (0.5 MG Steel)
- Repairs to Beverly Manor Reservoir for the City of Seal Beach (4 MG Concrete)
- Repairs to Navy Reservoir for the City of Seal Beach (3 MG Steel)
- Repairs to Reservoir No. 4 Improvements for the City of San Clemente (0.5 MG Steel)
- Repairs to Reservoir No. 8 Improvements for the City of San Clemente (2 MG Steel)
- Repairs to Seal Beach Naval Weapons Station Reservoir, Fallbrook Annex (1 MG Concrete)

SEWER PIPELINES

- Goldenwest Trunk Sewer Replacement and Heil Avenue Interceptor Sewer for Orange County Sanitation District
- Euclid Relief Trunk Sewer for Orange County Sanitation District
- B-Trunk Sewer Forcemain Replacement for Orange County Sanitation District
- Fullerton-Brea Interceptor Sewer for Orange County Sanitation District
- Katella Interceptor Sewer for Orange County Sanitation District
- Orange-Western Trunk Sewer for Orange County Sanitation District
- Gisler - Redhill/North Trunk Sewer for the Orange County Sanitation District
- Bee Canyon Trunk Sewer for Irvine Ranch Water District
- North City Water Reclamation Plant Influent Sewer for the San Diego Metropolitan Wastewater Department
- Warner Avenue Gravity Sewer for the City of Huntington Beach
- Joyzelle Trunk Sewer for Garden Grove Sanitary District
- Garden Grove Boulevard Trunk Sewer for the City of Stanton
- Harbor Boulevard and Heil Avenue Trunk Sewer for Garden Grove Sanitary District/City of Fountain Valley
- Relocation of Joint Outfall "H" Trunk Sewer for Los Angeles County Sanitation Districts
- Joint Outfall "E" Unit 6 Trunk Sewer for Los Angeles County Sanitation Districts
- Lincoln Avenue and Cypress Avenue Sewer Improvement for the City of Cypress

SEWER PUMP STATIONS

- Sewer Lift Station No. 3 for the City of Alhambra
- Sewer Pump Station No.4, 5, 6, and 13 Improvement Program for the City of El Segundo (**4 Pump Stations**)
- Pump Station No.1 for the City of El Segundo
- Sewer Pump Station No. 2 Camarillo Sanitary District
- Sewer Pump Station No. 6 for Camarillo Sanitary District
- Pump Station No. 35 for the City of Seal Beach
- Paseo del Mar Sewage Lift Station for the City of Palos Verdes Estates
- Rocky Point Sewage Lift Station for the City of Palos Verdes Estates
- Tiffany Pump Station for Garden Grove Sanitation District
- Belgrave Pump Station for Garden Grove Sanitation District
- Adolfo Lopez Sewer Pump Station for the City of Seal Beach
- Boeing Sewer Pump Station for the City of Seal Beach
- 8th Street Sewer Pump Station for the City of Seal Beach
- Pelona Vista Sewage Pump Station for the City of Palmdale/Los Angeles County Department of Public Works
- Section 5 Sewage Pump Station for the City of Newport Beach
- Borrego Sewer Pump Station for the Irvine Ranch Water District
- Canada Sewer Pump Station for the Irvine Ranch Water District
- Sewer Pump Stations 11, 14 and 16, for the City of San Diego Water Utilities Department
- Main Street Pump Station Preliminary Design Report for the City of San Clemente
- City Wide Sewer Pump Station Upgrade Project for the City of Torrance (**9 pump stations**)
- Irvine Regional Park Sewer Pump Station for Orange County Harbors, Beaches and Parks
- O'Neil Regional Park Sewer Pump Station for Orange County Harbors, Beaches and Parks
- Carbon Canyon Dam Sewer Pump Station for Orange County Sanitation District
- Sunkist Sewer Lift Station for the City of Corona
- Smith-Rincon Sewer Lift Station for the City of Corona

STORM DRAIN PROJECTS

- Project No. 9921 Drain Relocation for ACTA/Los Angeles County Department of Public Works
- Project No. 58 Drain Relocation for ACTA/Los Angeles County Department of Public Works
- Multnomah Drain for the Los Angeles County Department of Public Works
- Hollyhills Drain Unit 5 for the Los Angeles County Department of Public Works
- Project No. 9037, Unit 4, Line D for the Los Angeles County Department of Public Works
- Alagundo Drain and In-line Detention Basin for Alameda Corridor Transportation Authority/Los Angeles County Department of Public Works
- Indian Hill Drain for the Los Angeles County Department of Public Works
- Electric Avenue Storm Drain for the City of Seal Beach
- Candleberry Avenue Storm Drain for the City of Seal Beach
- Seal Beach Boulevard Storm Drain Improvements for the City of Seal Beach
- Corsair Way Storm Drain for the City of Seal Beach
- Flomar Drain for the City of Whittier/US Army Corps of Engineers
- Gilbert Street Storm Drain for the City of Garden Grove
- 22nd Street Storm Drain for the City of Palmdale
- Oso Creek Channel for Orange County Public Works
- Santa Ana-Delhi Channel for Orange County Public Works
- Lane Channel for Orange County Public Works
- Santa Ana-Santa Fe Channel for Orange County Public Works
- Storm Damage Repair to Bolsa Chica Channel, Westminster Channel, and Greenville-Banning Channel for Orange County Public Works
- Myra Avenue In-Line Detention Basin 2 and Storm Drains for the City of Cypress
- Myra Avenue In-line Detention Basin 3 and Storm Drains for the City of Cypress
- West State Street Channel for San Bernardino County Flood Control District

**Mr. John Loague, P.E.****Project Role:** Project

Manager/Project Engineer

Professional Registration

Registered Civil Engineer, California

1993, C-50292

Education

Bachelor of Science in Chemical

Engineering- California State

University, Long Beach, California

Years of Experience: 28**With AKM Since:** 1993 (22 years)

Mr. Loague, a Principal with AKM, has a broad background in the civil engineering field encompassing the planning, design and construction management of pumping, pipeline and transmission facilities, storage, and treatment facilities, as well as sewage collection systems, and reclamation facilities. Illustrative of Mr. Loague's experience includes:

WATER PIPELINES/TRANSMISSION MAINS

- Phase 1 Reach 1, South County Pipeline for the Metropolitan Water District and Santa Margarita Water District (15,000 LF of 66-inch CML&C Steel)
- Central Intertie Project for the Moulton Niguel Water District (10,000 LF of 54-inch CML&C steel)
- Groundwater Development Projects, Reach 4 and Reach 1 for the City of Newport Beach (33,000 LF of 36-inch CML&C Steel)
- Dover Drive Transmission Main Replacement for the City of Newport Beach (1,500 LF of 36-inch CML&C Steel)
- Harbor Area Recycled Water Conveyance Pipeline for West Basin Municipal Water District/LADWP (23,000 LF of 30-inch DIP)
- Relocation of OC 44 Transmission Main for Mesa Water District and City of Huntington Beach (5000 LF of 42-inch CML&C Steel)
- Northpark Boulevard Transmission Relocation for City of San Bernardino (2,000 LF of 36-inch and 900 LF of 16-inch DIP)
- Zone I and Zone II Domestic Water Transmission Main for Santa Margarita Water District (12,500 LF of 24-inch CML&C Steel)
- Zone II and Zone III Domestic Water Transmission Main for the Santa Margarita Water District (10,400 LF of 24-inch and 2,000 LF of 16-inch CML&C Steel)
- Zone II Domestic Water and Zone C Recycled Water Transmission Mains for Santa Margarita Water District (3,500 LF of CML&C Steel; 7,200 LF of CML&C Steel)
- Central Arizona Project Pipeline for Chaparral City Water Company (26,000 LF of 24-inch DIP)
- Scripps Ranch Recycled Water Transmission Main for the City of San Diego (15,000 LF of 24-inch DIP)
- Victoria Lateral for West Basin Municipal Water District
- Mills Ave. Pipeline and Flow Control Facility for City of Pomona (2,700 LF of 16-inch and 2,000 LF of 12-inch DIP)
- Mines Avenue Transmission Main Replacement for South Montebello Irrigation District (2,300 LF of 12-inch DIP)
- Hellman Ranch Water Transmission Main Relocation for the City of Seal Beach (2,700 LF of 12-inch DIP)
- Lampson Well Water Transmission Main for the City of Seal Beach (3,500 LF of 16-inch and 12-inch DIP)
- Well 9 Transmission Main for the City of Fountain Valley (2,800 LF of 16-inch CML&C Steel)
- Greenwood Avenue Waterline Replacement for the South Montebello Irrigation District (1,700 LF of 12-inch DIP)
- Watermain Replacement Project Along Beach Blvd- CC-1238 for the City of Huntington Beach (5,000 LF of 8-inch and 12-inch PVC)
- Downtown Watermain Replacement Project CC 1361 of Huntington Beach (3,600 LF of 8-inch and 12-inch PVC)
- Watermain Replacement Project in the Downtown Area - CC-1262 for the City of Huntington Beach (8,500 LF of 8-inch and 12-inch PVC)
- 17th Street and Palm Avenue Watermain Replacement for the City of Huntington Beach (2,800 LF of 12-inch PVC)
- Alleys between 13th/14th and 14th/Dolphin Streets from Alley North of Ocean Blvd to Electrical Avenue and Between 15th/16th Streets from Alley North of Electric Avenue to Pacific Coast Highway for the City of Seal Beach
- Alley North of Ocean Avenue, Waterline Replacement from Main Street to 14th Street for the City of Seal Beach

- Watermain replacement in 3rd, 4th, 5th, and 6th Streets for the South Montebello Irrigation District
- Palatine Main Line Replacement Project for the City of Alhambra

WELLS

- Equipping of Dace Well for Golden State Water Company
- Equipping of Well 12 for the City of Santa Fe Springs
- Equipping of Edinger Well for the City of Tustin
- 17th Street Well 4 for the City of Tustin
- Equipping of Pasadena Avenue Well for the City of Tustin
- Equipping of Vandenberg Well for the City of Tustin Water Service
- Equipping of Well 31 for the City of Garden Grove
- Drilling and Equipping of Well 9 for the City of Fountain Valley
- Re-equipping of Well 6 for the City of Fountain Valley
- Drilling and Equipping of Lampson Avenue Well for the City of Seal Beach
- Demolition of Well No. 7 for the City of Seal Beach
- Equipping of Well 13E for the City of Glendora
- Re-equipping of Well No. 6 for the City of San Clemente
- Equipping of Well No. 14 for Montebello Land & Water Company
- Equipping the North Open Space Well for the Capistrano Valley Water District
- Equipping Well No. 6 for the South Montebello Irrigation District
- Equipping of Well 7 for the South Montebello Irrigation District
- Equipping of Well 8 for the South Montebello Irrigation District
- Equipping Well No. 8 for the City of Lompoc
- Re-equipping of Well 3 for the City of Camarillo

BOOSTER PUMP STATIONS

- Beverly Manor Booster Pump Station for the City of Seal Beach
- Replacement of Reservoir No. 1 Booster Pump Station for the City of Fountain Valley
- Upgrades to Lampson Reservoir Booster Pump Station for the City of Garden Grove
- Camino Real Booster Pump Station for the City of Arcadia
- Orange Grove Booster Pump Station for the City of Arcadia
- Reeves Booster Pump Station for the City of San Clemente
- Navy Booster Pump Station for the City of Seal Beach
- Simon Ranch Booster Pump Station for the City of Tustin
- Reservoir Booster Pump Station for the Montebello Land and Water Company
- Santiago Canyon Estates Booster Pump Station for Trabuco Canyon Water District
- Norco Booster Pump Station for the Department of Corrections
- Hancock Avenue Booster Pump Station for the Elsinore Valley Municipal Water District
- Central Arizona Project Pump Station for the Chaparral City Water Company
- Booster Pump Station No.2 Improvements for the City of Whittier
- Alicia Booster Pump Station for Moulton Niguel Water District
- Crown Valley Booster Pump Station for Moulton Niguel Water District
- Crown Valley Highlands Booster Pump Station for Moulton Niguel Water District

- Torrance Recycled Water Booster Pump Station for West Basin Municipal Water District
- Reeves Booster Pump Station for the City of San Clemente
- Evaluation of Escondido Raw Water Pump Station for San Diego County Water Authority

WASTEWATER PUMP STATIONS

- Lift Station C for the City of Huntington Beach
- Pump Station No. 35 for the City of Seal Beach
- Adolfo Lopez Pump Station for the City of Seal Beach
- Boeing Pump Station for the City of Seal Beach
- 8th Street Pump Station for the City of Seal Beach
- First Street Pump Station for the City of Seal Beach
- Pump Station No. 2 for the Camarillo Sanitary District
- Pump Station No. 6 for the Camarillo Sanitary District
- Pump Station No.3 for the City of Alhambra
- Paseo Del Mar Sewage Lift Station for the City of Palos Verdes Estates
- Rocky Point Sewage Lift Station for the City of Palos Verdes Estates
- Pump Station No.1 Improvements for the City of El Segundo
- Sewer Pump Station No.4, 5, 6, and 13 Improvements for the City of El Segundo (**4 stations**)
- Tiffany Sewer Pump Station for the Garden Grove Sanitary District
- Belgrave Sewer Pump Station for the Garden Grove Sanitary District
- Irvine Regional Park Sewage Collection System and Lift Station for the Orange County Harbors, Beaches and Parks
- O'Neill Regional Park Sewage Collection System and Lift Station for the Orange County Harbors, Beaches and Parks
- Canada Sewage Lift Station for the Irvine Ranch Water District
- Borrego Sewage Lift Station for the Irvine Ranch Water District
- Pelona Vista Sewage Pump Station for the City of Palmdale/Los Angeles County Department of Public Works
- City-Wide Sewer Pump Station Upgrade Project for the City of Torrance (**9 Stations**)
- Section 5 Sewage Pump Station for the City of Newport Beach
- Bay Island Sewer Pump Station for the City of Newport Beach
- Lido Isle Sewage Pump Station for the City of Newport Beach
- Improvements to Whispering Lakes Pump Station for the City of Ontario
- Expansion of El Toro Road, Plano, and Heritage Sewage Lift Stations for Trabuco Canyon Water District (**3 Stations**)
- Inspection and Contract Administration for four (4) of Trabuco Canyon Water District's Dove Canyon Sewage Lift Station

**Mr. Gary Hobson, P.E.**

Project Role: Alternate Project Manager/Alternate Project Engineer

Professional Registration

Registered Civil Engineer, California
1986/C40779

Education

B.S., Secondary Education, Indiana University Purdue University at Indianapolis

Post Graduate Studies, Civil Engineering, Indiana University Purdue University at Indianapolis

Years of Experience: 38

With AKM Since: 2003 (13 years)

Mr. Hobson's professional experience covers client and project management, planning, design, and construction support services for a variety of public works projects in both local and federal government sectors. Specific areas of expertise include water, wastewater, and water reuse systems. Mr. Hobson also participated in quality control and value engineering teams for multi-disciplinary engineering projects. He has served as the contract On-Call Water Services District Engineer for the City of Corona Water and Power. Mr. Hobson's experience includes the following projects:

WATER PIPELINE AND TRANSMISSION MAINS

- Eastern Wells Collection Pipeline for the City of San Juan Capistrano (8,400 LF of 16-inch and 20-inch well collection pipeline)
- 12" Waterline Under the San Luis Rey River for the City of Oceanside (12-inch FBE steel)
- Water Importation Pipeline, Reach 3 for South Coast Water District (30,300 LF of 27-inch CML&C steel)
- Water Importation Pipeline, Reach 4 for South Coast Water District (5,500 LF of 21-inch ductile iron)
- Wire Mountain Transmission Mains for the City of Oceanside (24,800 LF 24-inch and 30-inch CML&C steel)

Cucamonga County Water District (14,300 LF 16-inch CML&C steel, 6,200 LF of 16-inch and 1,650 LF of 21-inch CML&C steel)

- El Camino Real and Fire Mountain Water Transmission Main for the City of Oceanside (10,000 LF of 30-inch ductile iron)
- Morro Hills Transmission Main for the City of Oceanside (2,200 LF of 24-inch ductile iron)
- Rimpau Avenue Water Transmission Main for the City of Corona (3,500 LF of 24-inch CML&C steel)
- Bonita Pipeline for the City of San Diego Water Utilities Department (23,500 LF of 24-inch and 48-inch ductile iron)
- Sunnymead Feeder Pipeline for the Eastern Municipal Water District (26,000 LF of 54-inch CML&C steel)
- Waterline Under I-5 Freeway for the City of Carlsbad (16-inch HDPE)
- Loretta Street Water Main for the City of Oceanside (2,500 LF of 12-inch epoxy lined and coated steel)

WELLS

- Drilling and Equipping of Well 58 for the City of Anaheim
- Drilling and Equipping of Well 5A for the City of San Juan Capistrano
- Drilling and Equipping of South Cooks Well for the City of San Juan Capistrano
- Proposition 50 Wells (2) for the City of Corona
- Hollywood Well 2A for the City of San Juan Capistrano
- Mission Street Well for the City of San Juan Capistrano
- Drilling and Equipping of Well 31 for the City of Corona
- Temescal Desalter Wells 22, 23, 24, 25, and 26 for the City of Corona
- Eastern Wells and Pipeline for the City of San Juan Capistrano
- Joy Avenue Well for the Elsinore Valley Municipal Water District
- Machado Street Well for Elsinore Valley Municipal Water District
- Equipping of the Fern Well for the City of Monterey Park

- Beneficial Re-Use of Groundwater from the I-105 Freeway for Caltrans and the City of Downey
- Well No. 7 Alternative Power Source Evaluation for the City of Fillmore
- Well No. 26 for the City of Colton
- Wells 20 and 21 for the City of Corona
- Well Nos. 4 and 5 for the City of Torrance
- Development and Equipping of Well No. 8 for the City of Torrance
- Border Avenue Aquifer Storage and Recovery Well No. 7 and Production Facilities for the City of Torrance
- Aquifer Storage and Recovery Well No. 11A for the City of Manhattan Beach
- Well No. 2A for the City of San Fernando
- Well No. 7 for the City of San Fernando
- Fort Irwin Water Well Field Investigation Inventory and Recommendations for Repairs and Upgrade for the Army Corps of Engineers, L.A. District
- Langford Wells Wellhead Facilities for the Army Corps of Engineers, Los Angeles District
- Joanbridge East Well for the Valley County Water District

WATER BOOSTER PUMP STATIONS

- Hidden Canyon Pump Station for the City of Anaheim
- Ontario Booster Pump Stations for the City of Corona
- Schlegel Booster Pump Station for the City of San Clemente
- Block 35 Booster Pump Station for the City of Manhattan Beach
- Peck Avenue Booster Pump Station for the City of Manhattan Beach
- Larssen Booster Pump Station for the City of Manhattan Beach
- Pump Station 3C for Cucamonga County Water District
- Reeves Booster Pump Station for the City of San Clemente
- Central Arizona Project Pump Station for the Chaparral City Water Company
- 13th Street Booster Pump Station for the City of Imperial
- Zone 2 and Zone 3 Booster Pump Stations for the City of Roseville
- Cactus-Heacock Pump Station for the Eastern Municipal Water District
- Washington Pump Station for the Eastern Municipal Water District

RESERVOIRS

- R-3 Reservoir for the City of Corona (2.5 MG Prestressed Concrete)
- 574 Zone Reservoir for the City of San Clemente
- ADV 1.6 MG Reservoir, steel tank exterior coating repair
- 2 MG above ground steel reservoirs for the City of Imperial
- Jameson Reservoir for the City of Corona (2.5 MG Prestressed Concrete)
- 4 MG Pre-stressed Concrete Water Storage Tank at the City's Water Treatment Plant for the City of Roseville
- 10 MG Pre-stressed Concrete Water Storage Tank and Dual-Purpose Pump Station for the City of Roseville
- Repair of Structural Damage to Bayview and Alvarado Reservoirs for the City of San Diego Water Utilities Department
- Wire Mountain Reservoirs (2) for the City of Oceanside
- Repair and Repainting of the Dominic Reservoir for the City of Colton
- Recycled Water Reservoirs for the City of Corona
- Honey Springs Water Storage Reservoir for the Otay Municipal Water District

- Relining of Bonsall and North Reservoirs for the Rainbow Municipal Water District
- 1 MG Freshwater Storage Tank for the U.S. Navy, NAS North Island
- Structural Analysis and Crack Repair for 4 MG fully buried prestressed concrete finished water storage tank at the Sierra del Oro Water Treatment Plant for the City of Corona
- University of California, San Diego, Peer Review - Civil and Structural design of a 3 MG thermal energy storage (TES) above ground steel tank

WASTEWATER PIPELINES

- Temescal Desalter Brine Wasteline Rehabilitation for the City of Corona
- Apple Valley Assessment Districts IA through IC (120,000 feet of 8-inch through 18-inch VCP)
- Transbay Bay Sewer Forcemain for the City of Coronado
- Foxes Landing Sewer Forcemain Rehabilitation for the City of Carlsbad
- West Point Loma Interceptor for the City of San Diego Water Utilities Department
- Mission Bay Sewer Forcemain for the City of San Diego Water Utilities Department
- Fullerton-Brea Interceptor Sewer for the County Sanitation Districts
- Euclid Avenue Relief Sewer for the Orange County Sanitation District
- Euclid Avenue Trunk Sewer Manhole Reconstruction for the Orange County Sanitation District
- Santa Ana River Interceptor Sewer Manhole Protection for the Orange County Sanitation District
- South Main Street Sewer Rehabilitation for the City of Corona
- Chiquita Land Outfall Sewer for the Santa Margarita Water District
- West Point Loma Interceptor of the City of San Diego
- On-Site Industrial Waste Pretreatment and Flow Equalization Facilities for Yoplait USA General Mills

WASTEWATER PUMP STATIONS

- Sewer Pump Stations 11, 14, and 16 for the City of San Diego Water Utilities Department
- Sunkist Sewer Lift Station for the City of Corona
- Smith-Rincon Sewer Lift Station for the City of Corona
- Upgrades to Sewer Pump Station 64 for the City of San Diego Water Utilities Department
- Rancho Monserate Sewer Pump Station and Plant B Improvements for Rainbow Municipal Water District
- Marina Way Sewer Pump Station, Forcemain, and Gravity Sewer for the City of Redondo Beach
- Carbon Canyon Dam Sewage Lift Station for the Orange County Sanitation District
- Five (5) Duplex Sewage Pump Stations for the US Navy
- Palamesa Pump Station for Rainbow Municipal Water District
- Laguna Canyon Village Sewage Lift Station for Irvine Ranch Water District
- Palamesa Pump Station for Rainbow Municipal Water District

**Ms. Diann Pay, P.E.**

Project Role: Hydraulic Analyses,
Water and Wastewater Planning
and Condition Assessment

Professional Registration

Registered Civil Engineer, California,
C60298 (2002)
NASCCO PACP Certified [T-1003-
947]

Education

Bachelor of Science in Civil
Engineering, University of
California, Los Angeles
Masters of Science in Environmental
Water Resources, University of
California, Berkeley

Years of Experience: 18

With AKM Since: 1997 (18 years)

Ms. Pay is the Director of Planning for AKM Consulting Engineers. In this capacity she specializes in planning and design of water, recycled/non-domestic water, and wastewater systems. Ms. Pay's previous experience encompasses a wide range of water resource projects:

WATER MASTER PLANS

- Water Master Plan for the City of Camarillo
- Water Master Plan for the City of Norwalk
- Potable Water Model for Irvine Ranch Water District
- Water Master Plan for the City of Monterey Park
- Water Master Plan Update for the City of Ontario
- Water Master Plan and Update for the City of Seal Beach (2)
- Water Master Plan for the City of Port Hueneme
- Water Master Plan for the City of Manhattan Beach
- Water Master Plan for the City of Whittier
- Water Master Plan Update for the City of Arcadia (2)
- Water Master Plan Update for the City of San Clemente
- Water Master Plan for the City of Corona
- Water Master Plan for the City of El Segundo
- Water Master Plan Update for the City of Glendora
- Water Master Plan for the City of Inglewood
- Water Master Plan for the City of San Juan Capistrano (2)
- Water Quality Protection Plan for the Central Basin Municipal Water District/City of Whittier

PUMP STATIONS

- Schlegel Pump Station for the City of San Clemente
- Camino Real Pump Station for the City of Arcadia
- Orange Grove Pump Station for the City of Arcadia
- Beverly Manor Pump Station for the City of Seal Beach
- Navy Booster Pump Station for the City of Seal Beach

WELLS

- Lampson Avenue Well for the City of Seal Beach
- Well 31 for the City of Garden Grove
- Well 6 for the City of San Clemente
- Edinger Well for the City of Tustin

WASTEWATER MASTER PLANS

- Waste Discharge Requirements Compliance for the Garden Grove Sanitary District
- Old Model Colony and New Model Colony Sewer Master Plan Update for the City of Ontario
- System Evaluation and Capacity Assurance Plan, Rehabilitation and Replacement Program, Wastewater System Operation and Maintenance Program for the City of Redondo Beach
- Sewer Master Plan for the City of Manhattan Beach
- Sewer Master Plan and Waste Discharge Requirements Compliance for the City of Newport Beach
- Sewer System Rehabilitation Plan for the City of Alhambra
- Waste Discharge Requirements Compliance for the City of Brea (2)
- Sewer System Management Plan for the Camarillo Sanitary District
- Sewer System Management Plan for the City of Norwalk
- Sewer Master Plan for the City of Stanton
- Sewer Master Plan for the City of Cypress (2)
- Sewer Master Plan for the City of Alhambra
- Sewer System Management Plan for the City of Inglewood
- Sewer Master Plan for the City of Fountain Valley (2)



Mr. Morgan Ying, P.E., Q.S.D.

Project Role: Sewer Design/Storm Drain Design/ Water Quality Management Plans

Professional Registration

Registered Civil Engineer, California, 1984, C038983

Qualified SWPPP Developer 22686

Education

Master of Science in Civil Engineering - California State University, Long Beach, California

Bachelor of Engineering in Hydraulic Engineering - Tamkang University, Taiwan

Years of Experience: 32

With AKM Since: 1996 (19 years)

Mr. Ying has over thirty years of extensive engineering experience on stormwater and wastewater projects including studies, design, and providing construction support services. Mr. Ying has been responsible for successful completion of feasibility studies and sewer design for numerous cities, and the Sanitation Districts of Orange County, Los Angeles County, Inland Empire Utilities Agency, and the Garden Grove Sanitary District.

FLOOD CONTROL PROJECTS

- Aspen/Graham/Walker Storm Drain PW Project No. 86 for the City of Cypress
- Haster Retarding Basin and Stormwater Pump Station for the Orange County Public Works Department
- Myra Avenue Stormwater Pump Station No. 2, In-line Detention Basin and Storm Drains for the City of Cypress
- Myra Avenue Stormwater Pump Station No. 3, In-line Detention Basin and Storm Drains for the City of Cypress
- Deficiency Study for the County of Orange Flood Control District
- Electric Avenue Storm Drain for the City of Seal Beach
- Candleberry Storm Drain for the City of Seal Beach
- Various On-Call Service Projects for Orange County Public Works
- Flomar Drain for the City of Whittier/US Army Corps of Engineers
- Corsair Way Storm Drain for the City of Seal Beach
- Seal Beach Boulevard Storm Drain for the City of Seal Beach
- Storm Damage Repair to Westminster Channel for Orange County Flood Control District
- Storm Damage Repair to Greenville-Banning Channel for Orange County Flood Control District
- Storm Damage Repair to Bolsa Chica Channel for Orange County Flood Control District
- West State Street Channel for San Bernardino County Flood Control District
- Project No. 9921 Drain Relocation for ACTA/Los Angeles County Department of Public Works
- Project No. 58 Drain Relocation for ACTA/Los Angeles County Department of Public Works
- Project No. 9037, Unit 4, Line D for the Los Angeles County Department of Public Works
- Alagundo Drain and In-line Detention Basin for Alameda Corridor Transportation Authority/Los Angeles County Department of Public Works
- Lane Channel for Orange County Public Works
- Santa Ana-Santa Fe Channel for Orange County Public Works
- Review of Hydrologic and Hydraulic Studies for the Old Ranch Golf Course and Retarding Basin for the City of Seal Beach
- Hydraulic Study of Dominguez Channel from Los Angeles Harbor to Main Street in Carson for Alameda Corridor Transportation Authority
- Hydrologic, Hydraulic, and Scour Studies for Compton Creek Railroad Bridge Replacement for the Alameda Corridor Transportation Authority/US Army Corps of Engineers
- Anaverde Detention Basin and Sports Complex for the City of Palmdale
- Eastern Transportation Corridor Runoff Management Plan for the Transportation Corridor Agency of Orange County
- Peters Canyon and Marshburn Channels for the Transportation Corridor Agencies of Orange County
- Bolsa Chica Channel Supplemental Project Report for the Orange County Public Works

SEWER PROJECTS

- Spot Repair and Lining of the Wastewater Collection System for the City of Redondo Beach
- Lincoln Avenue and Cypress Avenue Sewer Improvement from Moody Street to Walker Street for the City of Cypress
- Myra Avenue Sewer Improvement from Bloomfield Street to Moody Street for the City of Cypress
- Seven (7) Various Sewer Improvements for the City of Cypress (spot repair, lining, replacement)
- Ten (10) Various Sewer Improvements for the City of Cypress (spot repair, lining, replacement)
- Fourteen (14) Sewer Improvement Projects for the City of Cypress (spot repair, lining, replacement)
- Sewer Improvements on Walker Street at Ball Road for the City of Cypress
- Heil Avenue and Harbor Boulevard Sewer Improvement for the City of Fountain Valley and the Garden Grove Sanitary District
- Garden Grove Boulevard Sewer from Hoover Street to east of Beach Boulevard for the City of Stanton
- Candleberry Avenue Sewer Improvement for the City of Seal Beach
- Cardinal Circle Sewer for the Garden Grove Sanitary District
- Nelson Street at Stanford Avenue Sewer Diversion for the Garden Grove Sanitary District
- Joyzelle Trunk Sewer for the Garden Grove Sanitary District
- Brookhurst Triangle Relief Sewer for the Garden Grove Sanitary District
- Coast Trunk Sewer for the Garden Grove Sanitary District
- Gisler - Redhill/North Trunk Sewer for the Orange County Sanitation District
- Magnolia Sewer Pump Station Diversion to Montclair Interceptor for the City of Ontario
- Main Street Trunk Sewer for the City of Alhambra
- Commonwealth and Chapel Sewer for the City of Alhambra
- Balzac, Ramona Road, and Winthrop Sewer Improvements for the City of Alhambra
- Myra Avenue Sewer Improvements from Denni Street to Bloomfield Avenue (lining and replacement)
- Myra Avenue Sewer Improvements from Moody Street to Denni Street (lining and replacement)
- First Year Sewer CIP Projects for the City of Seal Beach (spot repair, lining, replacement)
- First Year Sewer CIP Projects for the City of Alhambra (spot repair, lining, sewer and manhole replacement)
- Six Sewer Improvement Projects at Various Locations in the City of Garden Grove for the Garden Grove Sanitary District (lining, spot repair, replacement)
- Relocation of Joint Outfall "H" Trunk Sewer for County Sanitation Districts of Los Angeles County
- Joint Outfall "E" Unit 6 Trunk Sewer for County Sanitation Districts of Los Angeles County
- Seal Beach Boulevard Sewer for the City of Seal Beach

**Mr. Jared Lee, P.E.****Project Role:** Design Engineer**Professional Registration**Registered Civil Engineer, California,
2007 C71422**Education**Bachelor of Engineering in
Mechanical Engineering, University
of California Los Angeles**Years of Experience:** 12**With AKM Since:** 2002 (12+ years)

Mr. Lee is an Associate Engineer with AKM Consulting Engineers. His previous experience encompasses a range of water resources projects and assignments related to detailed design of pipeline, well, and pump station facilities. Illustrative of Mr. Lee's experience includes:

WATER PIPELINES

- Mines Avenue Transmission Main Replacement for the South Montebello Irrigation District (2,300 LF of 12-inch DIP)
- Harbor Area Recycled Water Conveyance Pipeline for West Basin Municipal Water District/LADWP (23,000 LF of 30-inch DIP)
- Lampson Well Water Transmission Main for the City of Seal Beach (3,500 LF of 16-inch and 12-inch DIP)
- Well 9 Transmission Main for the City of Fountain Valley (2,800 LF of 16-inch CML&C Steel)
- Northpark Boulevard Transmission Relocation for City of San Bernardino (2,000 LF of 36-inch and 900 LF of 16-inch DIP)
- Zone I and Zone II Domestic Water Transmission Main for Santa Margarita Water District (12,500 LF of 24-inch CML&C Steel)
- Zone II and Zone III Domestic Water Transmission Main for Santa Margarita Water District (10,400 LF of 24-inch and 2,000 LF of 16-inch CML&C Steel)

WATER BOOSTER STATIONS

- Upgrades to Lampson Reservoir Booster Pump Station for the City of Garden Grove
- Beverly Manor Booster Pump Station for the City of Seal Beach
- Rehabilitation of Reservoir No. 1 Booster Pump Station for the City of Fountain Valley
- Camino Real Booster Pump Station for the City of Arcadia
- Orange Grove Booster Pump Station for the City of Arcadia
- Navy Booster Pump Station for the City of Seal Beach
- Reeves Booster Pump Station for the City of San Clemente

WELLS

- Equipping of Well 12 for the City of Santa Fe Springs
- Equipping of Lampson Avenue Well for the City of Seal Beach
- Equipping of Well 31 for the City of Garden Grove
- Equipping of Pasadena Avenue Well for the City of Tustin
- Equipping of Edinger Avenue Well for the City of Tustin
- Equipping of Well 9 for the City of Fountain Valley
- Equipping of Well 8 for the South Montebello Irrigation District

SEWER LINING AND REPLACEMENT PROJECTS

- Alley North of Ocean Avenue, Water and Sewer Replacement from Main Str. to 14th Str. for the City of Seal Beach
- 8-inch Gravity Sewer Project for the Orange County Fire Authority
- Lampson Avenue Gravity Sewer for the City of Seal Beach
- Rocky Point and Paseo Del Mar Forcemains for the City of Palos Verdes Estates

SEWER PUMP STATIONS

- Sewer Lift Station C for the City of Huntington Beach
- 8th Street Sewage Pump Station for the City of Seal Beach
- Belgrave Pump Station Replacement Project for the Garden Grove Sanitary District
- Pump Station No.2 for the Camarillo Sanitary District
- Pump Station No.6 for Camarillo Sanitary District
- Sewer Lift Station No. 3 for the City of Alhambra
- Rocky Point Sewer Lift Station for City of Palos Verdes Estates
- Paseo Del Mar Sewer Lift Station for the City of Palos Verdes Estates
- Pump Station No.1 Upgrades and Forcemain for the City of El Segundo



Mr. Ronald Wong, P.E., S.E.

Project Role: Structural Engineer

Professional Registration

Registered Civil Engineer, California,
 1978 C29847

Registered Structural Engineer,
 California 1994 S3896

Education

Master of Science Civil Engineering,
 California State University Long
 Beach

Bachelor of Science Civil
 Engineering, California State
 University Fullerton

Years of Experience: 36

With AKM Since: 2003 (12 years)

Mr. Wong is a structural engineering specialist with over 36 years of experience in civil and structural engineering. Responsibilities include design and analysis of various types of structures and buildings for Water Districts, counties, cities, and the Military. Projects include the structural design of reinforced concrete Metro Rail Stations and Tunnels for the Los Angeles County Metropolitan Transportation Authority (MTA), and engineering design of the Blueline Station platform structures, also for the MTA. Projects include:

PIPELINES

- Santa Margarita Water District Zone 2 Domestic Water Transmission Main and Zone C Recycled Water Transmission Main (7,200 LF of 12-inc and 16-inch, 3,500 LF of 24-inch)
- Santa Margarita Water District Zone 2 and Zone 3 Domestic Water Transmission Main (12,500 LF of 24-inch and 16-inch)
- City of Huntington Beach Watermain Replacement Program
- Euclid Relief Trunk Sewer for the Orange County Sanitation District
- Zone II Watermain in Antonio Parkway for the Santa Margarita Water District Chiquita Land Outfall for Santa Margarita Water District (4,000 LF of 30-inch CML&C steel)

WELLS

- Well 12 for the City of Santa Fe Springs
- Well 9 for the City of Fountain Valley

- Well 6 for the City of Fountain Valley
- Well 31 for the City of Garden Grove
- South Cooks Well for the City of San Juan Capistrano
- Well 5A for the City of San Juan Capistrano
- Pasadena Avenue Well for the City of Tustin
- Edinger Well for the City of Tustin
- Well 8 for South Montebello Irrigation District
- Lampson Avenue Well for the City of Seal Beach

BOOSTER PUMP STATIONS

- Beverly Manor Booster Pump Station and Well for the City of Seal Beach
- Navy Booster Pump Station for the City of Seal Beach
- Hidden Canyon Pump Station for the City of Anaheim
- Orange Grove Booster Pump Station for the City of Arcadia
- Camino Real Booster Pump Station for the City of Arcadia
- Reservoir No.1 Booster Pump Station for the City of Fountain Valley
- Schlegel Booster Pump Station for the City of San Clemente
- Reeves Booster Pump Station for the City of San Clemente
- Torrance Recycled Water Booster Pump Station for West Basin Municipal Water District
- Ontario Booster Pump Station for the City of Corona

RESERVOIRS

- C-3 Reservoir for the City of Corona
- Jameson Reservoir for the City of Corona
- 574 Zone Reservoir for the City of San Clemente

WASTEWATER PUMP STATIONS

- Tiffany Sewer Pump Station for the Garden Grove Sanitary District
- Belgrave Sewer Pump Station for the Garden Grove Sanitary District
- Adolfo Lopez Sewer Pump Station for the City of Seal Beach
- Paseo Del Mar Sewer Pump Station for the City of Palos Verdes Estates
- Rocky Point Sewer Pump Station for the City of Palos Verdes Estates
- Canada Sewage Lift Station for the Irvine Ranch Water District
- Sewer Lift Station No. 3 for the City of Alhambra
- Sewer Lift Station C for the City of Huntington Beach
- Eighth Street Sewer Pump Station for the City of Seal Beach
- Pump Station No.4 for the City of El Segundo
- Sewer Pump Station No.1 for the City of El Segundo

STORM DRAIN PROJECTS

- Myra Avenue In-Line Detention Basin and Storm Drain Improvements for the City of Cypress
- Myra Avenue 3 In-Line Detention Basin and Storm Drain Improvements for the City of Cypress
- Walker Street Storm Drain for the City of Cypress
- Oso Creek Channel (LO3) for Orange County Public Works
- Electric Avenue Storm Drain for the City of Seal Beach
- Candleberry Storm Drain for the City of Seal Beach
- Corsair Way Storm Drain for the City of Seal Beach
- Flomar Storm Drain for the City of Whittier
- Structural Plan Check Services for Orange County Public Works, Seal Beach, and Anaheim
- Hansen Inflatable Rubber Dam at Tujunga Wash for the Los Angeles County Department of Public Works

**Mr. Jon Nitta P.E.**

Project Role: Hydraulic Analyses
and Pipeline Design

Professional Registration

Registered Civil Engineer, California
2006 C69987

Education

Bachelor of Science Civil
Engineering, University of California
Los Angeles

Years of Experience: 13

With AKM Since: 2002 (13 years)

Mr. Nitta is a Senior Engineer with AKM Consulting Engineers. In this capacity, he has been responsible for several potable water, wastewater, and stormwater master planning assignments, special studies with the use of the calibrated models he has developed, and preparation of rehabilitation, replacement and new pipeline projects. He is a certified pipeline and manhole assessor (certified in 2007) by the NASSCO Pipeline Assessment and Certification Program. His related experience includes:

STORMWATER MASTER PLANNING AND STORM DRAIN DESIGN

- Deficiency Study for Orange County Flood Control District Regional Facilities
 - Etiwanda Area Master Plan of Drainage Update for the City of Rancho Cucamonga
 - Master Plan of Drainage for the City of Seal Beach
 - Master Plan of Drainage Update for the City of Cypress
 - Master Plan of Drainage for the City of Inglewood
 - Stormwater Pump Station No.1 Preliminary Design Report for the City of Cypress
 - Myra Stormwater Pump Station No.'s 2 and 3 Preliminary Design Report for the City of Cypress
 - Candleberry Storm Drain for the City of Seal Beach
- Flomar Drain for the City of Whittier/USACE
 - Corsair Way Storm Drain for the City of Seal Beach
 - Aspen/Graham/Walker Storm Drain for the City of Cypress

WATER MASTER PLANNING AND WATER PIPELINE DESIGN

- Potable Water Model for Irvine Ranch Water District
- Water Master Plan and Update for the City of Seal Beach
- Water Distribution System Master Plan for the City of Port Hueneme
- Water Master Plan for the City of Manhattan Beach
- Water Master Plan Update for the City of San Clemente
- Recycled Water Master Plan Update for the City of San Juan Capistrano
- Water Master Plan for the City of El Segundo
- Water Master Plan Update for the City of Glendora
- Water Master Plan for the City of Inglewood
- Initial Distribution System Evaluation for the City of San Clemente
- Special Study of a Planned Outage for the City of San Clemente
- West Basin Harbor Area Municipal Water District Harbor Area Recycled Water Conveyance Pipeline

SEWER MASTER PLANNING AND PIPELINES

- Sewer System Planning for the Garden Grove Sanitary District
- System Evaluation and Capacity Assurance Plan, Rehabilitation and Replacement Program, Wastewater System Operation and Maintenance Program for the City of Redondo Beach
- Camarillo Sanitary District Sewer System Management Plan
- Condition Assessment of the City of Brea Sewer System
- Sewer Master Plan for the City of Cypress
- Sewer Master Plan for the City of Fountain Valley
- City of Los Angeles Sewershed Planning Reports
- City of Los Angeles Sewer Pipe Inventory Corrections
- City of Seal Beach Sewer System Condition Assessment
- Sewer Pump Station Phasing Study of the City of Ontario
- Lincoln Avenue Sewer for the City of Cypress
- Condition Assessment and Replacement/Spot Repair/Relining Program for the City of Redondo Beach

**Mr. Emin Kayiran, CPII**

Project Role: Constructability
Review

Professional Registration
CPII 2011

Education

*B.S. in Business Administration;
Finance and Entrepreneurship,
University of Arizona*

*Civil Engineering Studies, Civil
Engineering/ Construction
Management, CSU Long Beach*

Years of Experience: 10

With AKM Since: 2005 (10 years)

Mr. Kayiran, an AKM Construction Manager/Inspector, has a broad background in construction scheduling, management, and inspection. His background includes management and inspection of the construction of pipelines, pump stations, treatment facilities, reservoirs, precast and cast-in-place concrete structures, protective coating and linings, electrical control systems, instrumentation, cathodic protection; SCADA integration, the management of hazardous materials removal, dewatering, shoring systems, ground settlement monitoring, and street improvements. Mr. Kayiran's related project experience includes:

PIPELINES

- 16-inch Transmission Main for Well No. 9 for the City of Fountain Valley
- Tract 16929 16-Inch Steel Cement Mortar Lined and Coated Watermain for the City of Fountain Valley
- Golden State Water Company Inverted Waterline Siphon and Sewer Repair for City of Cypress
- Storm Drain Improvements at Valley View Street for the City of Cypress
- Myra Avenue Reinforced Concrete Box Storm Drain for the City of Cypress
- Sewer Improvements at Fred Drive for the City of Cypress
- Wastewater Treatment Plant and Recycled Water Distribution Pipeline for the City of Corona

WELLS

- Equipping of the Pasadena Avenue Well for the City of Tustin
- Well No. 31 and 28, Nitrate Monitoring System and Well No. 28 Modifications for the City of Garden Grove
- Equipping of Well 9 for the City of Fountain Valley

WATER/RECYCLED WATER PUMP STATIONS

- Navy Booster Station for the City of Seal Beach
- Lampson Reservoir Booster Station Improvements for the City of Garden Grove
- Three Recycled Water Pump Stations at Water Reclamation Plant No.1 for the City of Corona

WASTEWATER/STORMWATER PUMP STATIONS

- Wastewater Treatment Plant and Recycled Water Distribution Pipeline Inspection for the City of Corona
- Myra Pump Station No. 2 for the City of Cypress
- West End Pump Station for the City of Seal Beach
- Myra Pump Station No. 3 for the City of Cypress
- Sewage Pump Station No. 35 Phase 1 & 2 for City of Seal Beach
- Tiffany Pump Station for the Garden Grove Sanitation District
- First Street Sewage Pump Station for the City of Seal Beach
- Partridge Lift Station and Thunderbird Sewer Project for the Garden Grove Sanitary District

**Mr. Glen Deiter**

Project Role: Constructability
Review

Professional Registration

State Contractor License 661200 A
C-36 HAZ

Years of Experience: 36

With AKM Since: 2008 (7 years)

Mr. Deiter is a Construction and Project Manager with AKM Consulting Engineers. He has over 30 years of experience in various aspects of construction, construction management, project scheduling, estimating, cost control, change order preparation, contract negotiation and inspection services on public projects for state and local (counties, cities and special districts) agencies, and commercial/industrial clients. His experience includes water pump stations and wells; water treatment plants, water transmission mains, water tanks, storm water pump stations, emergency fire pump stations, sewer pump stations, sewage treatment systems, sewer lines and outfalls, fueling facilities, central plant construction and maintenance, generator installations, demolition, grading and excavating, welding and pipe fabrication, fiberglass fabrication, plumbing, concrete construction and masonry buildings. Past construction, and construction management/inspection experience includes the following:

PIPELINE AND TRANSMISSION MAINS

- Sanitary Sewer System Rehabilitation Project for the City of El Segundo
- Sewer Rehabilitation at Various Locations Project for the City of Cypress
- 16-inch Transmission Main for Well No. 9 for the City of Fountain Valley
- Sewer Improvements at Fred Drive for the City of Cypress
- Maple Avenue Street and Storm Drain Improvements Project for the City of El Segundo

WELS

- Equipping of Well No. 9 for the City of Fountain Valley
- Equipping of Well 31 for the City of Garden Grove
- Design and Inspection of Well 29 Repairs for the City of Garden Grove
- Equipping of Well for the California Domestic Water Company
- Equipping of Well 12 for the City of Fountain Valley
- Wellhead Treatment Facility for Well No. 13 for the City of Norco
- Pump Station Piping at Well No. 5C for the Cucamonga Valley Water District
- Construction and Equipping of Well No. 36 for the Eastern Municipal Water District
- Construction and Equipping of Well 7 and Improvements to the Iron and Manganese Treatment Plant for the City of San Clemente

BOOSTER PUMP STATIONS

- Reservoir 1 Booster Pump Station for the City of Fountain Valley
- Booster Pump Station F-10 for the Fontana Water Company
- Zone 4 Pump Station for the City of Corona
- Booster and Fire Pump Station for the Crippled Children's Society
- Belgrave Booster Pump Station for the Santa Ana River Water Company
- Pump Station for the Cucamonga Valley Water District
- Booster Pump Station B-24 for San Gabriel Valley Water Company
- Booster Pump Station F-44 for Fontana Water Company
- Booster Pump Station Upgrade at Rolling Meadows for the Western Municipal Water District
- Water Booster Pump Station for the Elsinore Water District
- Horsethief Booster Pump Station for the Elsinore Water District
- Ridge Route Booster Pump Station for the Newhall County Water District
- Mabey Canyon Emergency Fire Pump Station for the City of Corona

WASTEWATER PUMP STATIONS

- Partridge Lift Station and Thunderbird Sewer Project for the Garden Grove Sanitary District
- Paseo Del Mar Sewer Pump Station for the City of Palos Verdes Estates
- Rocky Point Sewer Pump Station for the City of Palos Verdes Estates
- Elimination of Sewer Pump Station 7 and Improvements to Sewer Pump Station 1 for the City of El Segundo
- Sewer Pump Station for Riverside Rancho Caballero
- Sierra Del Oro Sewer Pump Station for the City of Corona
- Wastewater Treatment Facility Joplin Youth Center for the County of Orange
- Royer Nesbit Plant Stand-by Generator for the Cucamonga County Water District
- Evaluation of 8 Sewer Pump Stations for the City of Manhattan Beach as part of the Sewer Master Plan
- Evaluation of 4 Sewer Pump Stations for the City of Norwalk as part of the Sewer System Management Plan



Mr. Steve Patterson

Project Role: Constructability Review

Years of Experience: 30

With AKM Since: 2008 (7 years)

Certifications

AWWA Cross Connection Control Specialist

NPDES Storm Water Quality Training for Construction Site Activities

California Department of Public Health Water Treatment Operator II

California Department of Public Health Water Distribution Operator III

Orange County Health Department Backflow Device Tester

Cla-Val, Engineering, Maintenance and Design

California Rural Water Distribution System Maintenance and Design

OSHA HAZWOPER

NIMS 700

CJPIA: Management Academy

Haestad Methods: Water System Design and Hydraulic Modeling

First Aide & CPR

Mr. Patterson is a Construction Manager with AKM Consulting Engineers, and has over 20 years experience in the Water Utilities field, during which time water distribution system design, construction, operations, maintenance, and repair, of water and wastewater infrastructure have been the emphasis of his career. He has numerous certifications, training and knowledge pertaining to the safe and reliable construction, operation and maintenance of water and wastewater infrastructure.

Mr. Patterson served for 15 years with a municipally owned water and wastewater utilities department as an Operations Supervisor, responsible for the supervision and operations of a comprehensive repair, inspection and monitoring program. (50,000 customers, 18,000 service connections, 1.5MGD Ground Water Treatment plant, 2 ground water wells, 200 miles of pipe from 6" to 30", 33 pressure zones, 16 water storage facilities, 15 pump stations, 88 pressure/flow regulating stations, and upwards of 20 subordinate employees). Mr. Patterson has participated in the design, construction, inspection, implementation and management of numerous operational, rehabilitation, and capital improvement projects. Examples of these projects are as follows:

- Schlegel Booster Pump Station for the City of San Clemente
- Agua Pump Station for the City of San Clemente
- Palizada Pump Station for the City of San Clemente
- Reeves Booster Pump Station for the City of San Clemente
- 16 inch CML&C Well 9 Discharge Pipeline for the City of Fountain Valley
- 24 inch CML&C Water Transmission Pipeline for the Western Municipal Water District
- Relocation of Pipelines 3 and 4 for the San Diego County Water Authority
- Joint Regional Water Supply System, 27 inch CML&C Water Transmission Pipeline for the City of San Clemente
- City of San Clemente, Tract Improvements, (water, sewer, storm drain) The Reserves
- La Pata Regulating Station for the City of San Clemente
- Plaza Pacifica, water improvements for the City of San Clemente
- Blanco Pressure Regulating Station for the City of San Clemente
- Costero Risco Pressure Regulating Station for the City of San

Clemente

- Miguel Pressure Regulating Station for the City of San Clemente
- Vera Cruz Regulating Station City of San Clemente
- Zapata Pressure Regulating Station for the City of San Clemente
- Bahia Pressure Regulating Station for the City of San Clemente
- Hermosa Pressure Regulating Station for the City of San Clemente
- Cresta Del Sol Pressure Regulating Station for the City of San Clemente
- Colima Reservoirs repair and re-coating inspection for Orchard Dale Water District
- Glen Ivy Reservoir coating inspection for the City of Corona
- Hayden Reservoir coating inspection for the City of Corona
- Green River Reservoir coating inspection for the City of Corona
- Avenida Del Vista Reservoir coating inspection for the City of Corona
- SDO Backwash Reservoir coating inspection for the City of Corona
- Partridge pump station for Garden Grove Sanitary District
- Rocky Point Pump Station inspection for the City of Palos Verdes Estates
- Vista Del Mar Pump Station inspection for the City of Palos Verdes Estates
- Midwick Pipeline inspection for the City of Alhambra

COAST SURVEYING, INC.**Mr. Ruel del Castillo, PLS****Coast Surveying****Project Role:** Surveying**Professional Registration**

Certified Federal Surveyor

CFedS #1088 (All States Listed)

PLS #4212 / California

PLS #11844 / Arizona

PLS #4713 / Nevada

PLS #3668 / Idaho

PLS #7249 / New Mexico

PLS #22480 / Washington

PLS #25939 / Colorado

PLS # 4730903 / Utah

SCRRRA/UPRR/ACE Roadway Worker
Certification**Education**

Certificate in Public Service

Administration, Santa Ana College

Major Coursework in Business

Administration and Land Surveying,

Santa Ana College

Years of Experience: 1965 (50+)

Mr. del Castillo has over 50 years of experience in managing both field and office operations for all phases of surveying and mapping services. He has managed 30 "On-Call" contracts directly for the support of many federal, state, and local agencies. These contracts include the Counties of Los Angeles and Orange, the U.S. Forest Service, various U.S. Army Corps of Engineer Districts, the U.S. Navy – Southwest Division, and the Los Angeles County Metropolitan Water District (MWD).

He has a "hands-on" working knowledge of various land surveying services, including Right-of-Way and boundary surveys and analysis, GPS surveys, topographic surveys, utility location surveys, large-scale aerial, and geodetic control and monitoring quantities. While working directly for the County of Orange, Mr. del Castillo was responsible for all boundary surveys, first order / second order vertical and horizontal control surveys, photogrammetric mapping, control surveys and centerline surveys.

- **SCRRRA on Orange County Service Expansion (60 Miles) & Grade Crossings** thru J.L. Patterson & Assoc., as Survey Manager. Work performed included establishing control monuments every 5 miles, and photo control targets, aerial mapping, DTM and digital orthographic photography covering a 600-foot wide swath along the entire project length. Detailed topographic surveys were made under all over crossing structures and areas of proposed RR yards and maintenance facilities. Precise H & V location data along the track was obtained and horizontal alignment determined in areas of concern. On 53 grade crossings, performed work included construction control, topographic surveys, title reports and legal descriptions. Right-of-Way/Boundary surveys were also performed. All work completed on-time and on-budget.

Metro, Major Projects as Survey Manager on:

- **Airport Metro Connector** through Connect LAX through Connect LAX (PB and STV Joint Venture). The project is 3,500 acres of very complex and busy LAX. Work consisted of performing design surveys, aerial mapping, and Right-of-Way mapping. \$374K in fees. Project is on-going.
- **Downtown Los Angeles Streetcar Restoration** through HDR, Inc. The project is 3.8 miles long in the very dense and complex area of Downtown LA. Due to the hundreds of high rise buildings, Coast worked out an innovative flight plan to produce an extremely excellent aerial mapping product. Work consisted of performing control network, design surveys, aerial mapping, and Right-of-Way mapping. \$105K in fees. Project is on-going.
- **Interstate 710 North Segment Utility Study, LA County** through HDR, Inc. The project is 8 miles long. Work consisted of performing design surveys, aerial mapping, and Right-of-Way mapping. \$160K in fees. Project is on-going.



**Mr. Adam Chamaa, MSCE, PE, GE
AESCO**

Project Role: *Geotechnical Investigation*

Professional Registration

California No. C53992 (Civil)

California No. C2784 (Geotechnical)

Nevada No. 022245 (Civil)

Education

*Master of Science in Civil Engineering,
Highway Design, Louisiana Technical
University*

*Bachelor of Science in Civil
Engineering, Louisiana Technical
University*

Years of Experience: 1990 (25+)

Registered civil and geotechnical engineer with over 25 years of experience as geotechnical quality control/quality assurance (QC/QA) manager. Responsible for engineering for new construction, foundation, testing of concrete foundations and roadway surfaces during and after installation; design of de-watering systems; assessment of soil-related environmental contamination. Provided geotechnical design recommendations for new construction for municipal, governmental and commercial projects throughout California.

- Geotechnical and foundation studies for retaining walls, widening of 14 bridges and over 40 new soundwalls for Interstate Highway 10, 134 Freeway, 210 Freeway, 405 Freeway and 170 Freeway in Los Angeles and Orange Counties for Caltrans and MTA.
- QC/QA manager for the Quality Control/Quality Assurance and construction inspection and testing for the replacement of the Gerald Desmond Bridge in the Port of Long Beach. The new bridge will be a cable-stayed structure with a total length of approximately 2,000 feet, with a main span opening across the Port of Long Beach's back channel of approximately 1,000 feet, tower to tower and approximately 500-foot backspans between the towers and the approach structures at the each end of the bridge.
- QC/QA Manager for materials testing and inspection during the widening of the 91 Freeway through Orange and Riverside Counties. The widening project includes the construction of new lanes on the east and westbound sides, new retaining walls, bridges, slope stability of cuts,

rock exploration, etc. The testing and inspection services included a review of the concrete mix designs, concrete testing and inspection, concrete batch plant inspection, pile inspection and logging, rebar inspection, aggregate testing, welding inspection, subgrade testing and inspection, base material evaluation and testing, compaction testing and inspection, and asphaltic concrete testing.

- Prepared the QC/QA manual and supervised materials testing and inspection during construction of a new railroad grade separation for the Alameda Corridor, Temple Avenue 4th Track Improvements in Pomona. The project included railroad bridges, retaining walls, depressed roadways, utility relocations, roadway bridges, channel walls and drainage ditches.
- QC/QA manager for the inspection and mix design alternatives and recommendations for the Portland Cement Concrete (PCC) and Lean Concrete Base for the widening and overall improvement of the 22 Freeway for Orange County Transit Authority (OCTA) and Caltrans. Worked with the design team and the contractor to qualify construction materials such as aggregate, cement, mix designs, etc.
- Supervised the geotechnical investigation for a gas to energy facility at the Calabasas landfill in the County of Los Angeles. The facilities included the installation of gas turbines mounted on concrete slabs, a combustion turbine generator, a compressor pre-treatment system, chilled water systems, polishing systems, compressed air systems, a step-up transformer, switch gears, auxiliary transformers, a main building and control room, trenching and piping, retaining walls, and miscellaneous structures. New access roads were also constructed. The investigation included drilling eleven borings to a maximum depth of 50 feet. The soils were found to have a moderate hydrocollapse potential and recommendations for mitigation included mat foundations. Slope stability analysis was performed for the existing slopes. Parameters for shoring were also provided. Asphaltic concrete and concrete pavement recommendations were provided as well as recommendations for subgrade preparation.
- Supervised and reviewed the geotechnical recommendations for foundation design for the proposed Calico Solar Plant Access Bridge in San Bernardino County bridge structure and retaining walls for the BNSF railroad. Preliminary geotechnical recommendations including pile load design data for caissons, driven piles, tip-bearing piles, and friction piles, as well as lateral loads were provided. A review of existing geotechnical and seismic data was conducted for projects in the vicinity.

Mr. David Kuan, PE, RTE
Traffic Control Engineering**Project Role:** Traffic Control**Professional Registration**

RTE1429

PE 57387

Education*Master of Science in Civil Engineering,
University of California Berkeley**Bachelor of Arts in Civil Engineering,
University of California Irvine***Years of Experience:** 1984 (31+)

Mr. Kuan is President of the firm Traffic Control Engineering, Inc. which was organized in 1989. Prior to organizing his own consulting firm, he served the City of Orange as the City Transportation Engineer from 1984 to 1989. During his tenure with the City, he conducted a wide variety of traffic and transportation projects, both at local and regional levels. He was directly in charge of developing the City's General Plan Circulation Element as well as a new circulation master plan for a 7100 acre planning area. He later gained new responsibility of serving the City's Transportation Planning Committee, responsible for a broad range of traffic and transportation projects. Mr. Kuan was also the City of Orange's Transportation Demand Management Coordinator, responsible for formulating and implementing traffic reduction measures for the City and major employers in the City. Mr. Kuan has worked on numerous state and federal grants and funding programs, including OTS, HES, OCUTT, FETSIM, AHFP, and FAU. While with the City of Orange, Mr. Kuan had a close working relationship with Caltrans and other governmental transportation agencies including OCTA, Transportation Corridor Agency,

etc.. He represented the City working with Caltrans in developing I-5 widening/interchange alternatives, Has also served on the Rt. 55 Car-Pool Lane Technical Advisory Committee. Mr. Kuan's experience and familiarity with various governmental agencies is a valuable asset in providing expedient project approval process.

Prior to 1984, Mr. Kuan was engaged by the firm of PRC Voorhees. During the years he was with that firm, he was responsible for numerous traffic/transportation projects including impact analysis, access studies, parking studies, traffic signal coordination, circulation master plan and general plan throughout Southern California.

Mr. David Kuan holds a Masters Degree in Transportation Engineering from the University of California at Berkeley, is a member of the WATCH committee, served as a Chairperson of Orange County Traffic Engineering Council (OCTEC), a member of the Institute of Transportation Engineers (ITE), and is also registered as a Professional Engineer (Traffic and Civil) in the State of California.

David Kuan has founded this company since 1989 and has provided traffic control design for various public agencies, builders, contractors and special districts for the past 27 years.



Ms. Betsy Lindsay

UltraSystems

Project Role: *Environmental*

Professional Registration

American Planning Association,

Former Director of Professional

Development; Urban Land Institute

Association of Environmental

Professionals; National Association

of Women Business Owners

National Association for Female

Executives; OCTA Small Business

Roundtable; Commercial Real Estate

Women

Education

Graduate Program, Public Policy and

Administration, California State

University, Long Beach, 1992; Graduate

Program, Business Administration,

Pepperdine University, Irvine, 1989-91

M.U.R.P., Master of Urban and

Regional Planning, California State

Polytechnic University, Pomona,

1989; B.A., Geography, California

State University, Long Beach, 1978

Years of Experience: 1985 (Over

30)

Ms. Lindsay is the founder and chief executive of UltraSystems Environmental. A building industry veteran, she has 30 years of experience in environmental planning and permitting, redevelopment, fiscal impact analysis, economic development, and facility planning. Her background includes work on more than 45 construction-related projects. At UltraSystems, her day-to-day responsibilities include business and project management, contract administration, resource allocation, and quality control. She is responsible for overall project management, the preparation and processing of CEQA/NEPA documents, and associated entitlement obligations for large-scale public and private infrastructure projects.

As-Needed Environmental Documentation and Regulatory Permit Contract, Los Angeles County, CA - Ms. Lindsay is serving as Principal-in-Charge for two on-going contracts with the County of Los Angeles. She assists with the oversight of all environmental documentation preparation and entitlement processing, as well as technical services. UltraSystems is currently under contract by Los Angeles County to provide "as-needed" environmental services for various projects throughout the County for County-related project. Specific task orders are issued by the County, and all services are performed in compliance with policies, procedures, and standards of Public Works. Since 1994, UltraSystems has managed over 200+ projects for the County.

Technical Studies, Hay Ranch Water Extraction and Delivery System Project Environmental Assessment, Inyo County, CA - Ms. Lindsay served as the Principal-in-Charge and Contractual Administrator for the project. She assisted the designated Project Manager with technical QA/QC review and the coordination of the project team and schedule. The Hay Ranch project was proposed for approximately 15 miles northeast of Ridgecrest, CA, in an unincorporated area of Inyo County. Detailed technical studies for biological and cultural resources were conducted as part of the environmental documentation. Hydrological studies were conducted to verify that the wells would produce sufficient

fluids over the expected life of the project, and to demonstrate that the waters were from the same hydrologic basin.

Environmental Impact Report (EIR), Baldwin Park Operable Unit Water Delivery Plan, Baldwin Park, CA -

Ms. Lindsay served as Principal-in-Charge for this project involving the treatment of contaminated groundwater. The UltraSystems team evaluated six alternatives to construct water treatment plants and extraction wells, installing new pipelines to transport raw water to treatment plants and treated water to distribution pipelines, and to construct new facilities used to replace extracted water with recharge water.

NEPA and CEQA Documentation, Los Angeles Regional Interoperable Communications System (LA-RICS), Los Angeles County, CA - Ms. Lindsay was the UltraSystems' Principal-in-Charge of this major program, overseeing technical studies and preparation of NEPA and CEQA documentation toward the construction of LA-RICS, an \$800-million emergency communications system due to be operational in 2016. LA-RICS will provide a highly coordinated emergency communications system to all first-responders to natural and man-made disasters throughout Los Angeles County. The company's technical team of more than 20 professionals assessed the potential environmental impacts from the construction of approximately 260 proposed communications towers in urban and rural areas. UltraSystems' studies include: aesthetics and visual resources, land use, socioeconomics, human health and safety, air quality/greenhouse gas, noise, infrastructure (services and utilities/site access); historic and cultural resources, geology and soils, and biological resources. Ms. Lindsay was instrumental in working with outreach to key public agencies and regulatory agencies that were involved with this project.

On-Call Environmental Services and Permitting, County of Orange, Orange County, CA - UltraSystems is under contract to the County of Orange, Public Facilities and Resources Department (PRFD) and provides services that relate to supplemental environmental and engineering services. These services allow the County to meet workload demands and keep County-related projects on schedule.



**Mr. Dennis Willias, Ph.D., PG, CHG
Geoscience**

Project Role: *Geohydrology (AS
NEEDED)*

Professional Registration
*California Professional Geologist
(No. 461); Certified California
Hydrogeologist (No. 139); Certified
Ground Water Hydrologist
(American Institute of Hydrology)
(No. 355)*

Education
*B.S., Geology. University of Redlands
M.S., Ground Water Hydrology. New
Mexico Institute of Mining and
Technology
Ph. D., Hydrology. New Mexico
Institute of Mining and Technology
Years of Experience: 1976 (37+)*

Dr. Dennis E. Williams, founder and president of the Southern California based firm GEOSCIENCE Support Services, Inc. has over 35 years of experience in ground water hydrology. During that time he has directed geohydrologic investigations domestically and worldwide which includes the design and supervision of construction of over 800 deep large-scale municipal and irrigation water supply wells. Dr. Williams also pioneered the use of slant wells for desalination feedwater supply. He has been a consultant to the United Nations and several foreign governments and is currently a part-time research professor at the University of Southern California's Civil and Environmental Engineering Department where he has taught graduate level courses in geohydrology and ground water modeling since 1980. Dr. Williams is currently directing research on ground water and wells at USC's geohydrologic laboratory which houses the largest sand-tank model in the world.

GEOSCIENCE Support Services, Inc., Claremont, California - January 1978 to Present. Founder and President of GEOSCIENCE Support Services Inc., a California Corporation specializing in geohydrologic studies leading to development and management of ground water resources. GEOSCIENCE's client list includes most of the major Water Districts and agencies in the Southern California area, as well as clients in South America, Europe, and the Middle and Far East). Dr. Williams has also served as an expert witness on numerous legal issues (including arbitration, mediation, and court trials) for both domestic and international clients.

UNIVERSITY OF SOUTHERN CALIFORNIA, Civil and Environmental Engineering Department, Los Angeles, California - August 2001 to

Present. Part-Time Research Professor. Currently teaching graduate-level class in geohydrology and directing research at USC's geohydrology laboratory related to well design and rehabilitation.

UNIVERSITY OF SOUTHERN CALIFORNIA, Los Angeles, California; Civil and Environmental Engineering and Earth Sciences Departments 1980 to August 2001. Part-time Instructor. Taught graduate-level classes in geohydrology and ground water modeling.

UNITED NATIONS DEVELOPMENT PROGRAMME, India - November 1979 to November 1980 - Consultant to the United Nations (UNDP). Expert member of a UNDP team sent to Madras, India to develop a conjunctive use water supply plan designed to meet the needs of the City of Madras until the year 1990 (population: 8 million).

UNITED NATIONS DEVELOPMENT PROGRAMME, India - September 1977 to October 1978. Consultant to the United Nations Development Programme (UNDP). Retained as a ground water modeling expert on a team of UNDP experts conducting a feasibility study on the Ghaggar River Basin (Northwest India). Project responsibilities included evaluation of raw data and direction of local Indian Government personnel in the gathering, reduction and organization of data necessary to construct a digital computer ground water model of the Ghaggar River Basin.

CONSULTANT TO THE GOVERNMENT OF IRAN, Iran - March 1976 to March 1978. Special advisor to the Ministry of Energy, Government of Iran on hydrological problems involving water resources evaluation and development. Directed teams of Iranian government personnel in the conduct of feasibility investigations of various basins for purposes of total water resources development. Also provided guidance in development of a computer database for the collection, organization, storage and retrieval of hydrologic data.

AGRO-WATER CONSULTING ENGINEERS, Tehran, Iran - July 1973 to November 1978. Chief Hydrologist/General Manager. In charge of managing the activities of a consulting engineering firm specializing in planning, design and supervision of construction of large-scale irrigation project development. Specific duties included technical and administrative duties for feasibility, final design and supervision of construction and management for irrigation development projects in Iran. Set up a complete mini-computer center for engineering and management computer programs. Directly supervised 30 civil engineers and various other technical personnel as required on various irrigation projects (geologists, hydrologists, soil mechanics experts, surveyors, agronomists and planners).

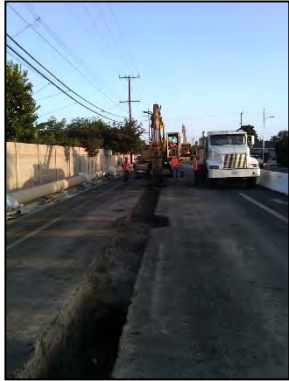
SECTION 4 - RELATED EXPERIENCE

AKM Consulting Engineers has a long and distinguished track record of providing quality engineering services, especially with respect to planning and design of storm drain, water, and wastewater systems. Specific examples of AKM's related experience are listed below. These projects are representative of the types of work that AKM staff members have completed and are similar in nature to those projects proposed by the City. Please note, all projects listed were completed within budget and schedule.

WATER PIPELINE PROJECTS

Transmission Main for Well No. 9 (2008-2010)
 City of Fountain Valley
 Contact: Mr. Mike Green, Utilities Superintendent (714) 593-4607
 AKM Staff: Z. Kayiran (PM), J. Loague (PE), J. Lee (DE), E. Kayiran (CM), S. Patterson (Inspector)

AKM was responsible for providing design and construction management services for a 16-inch cement mortar-lined and coated welded steel pipe (2,800 LF), from the City's new Well No. 9 facility to a connection with the existing distribution system in Warner Avenue near the 405 Freeway north-bound on-ramp. The work included a crossing of the Ocean View Channel, permitting through OCFCD and Caltrans, repaving, and pavement rehabilitation.



Well 9 Discharge Pipe

Mines Avenue Waterline Replacement (2013-2013)
 South Montebello Irrigation District
 Contact: Mr. Alberto Corrales, General Manager (323) 721-4735
 AKM Staff: Z. Kayiran (PM), J. Loague (PE), G. Hobson (QA/QC), G. Deiter (Constructability Review)

AKM prepared construction plans, specifications and estimates for 2,300 feet of 12" ductile iron pipeline on Mines Avenue between Greenwood Avenue and Maple Avenue in the City of Montebello. The project replaced an existing 10-inch pipe along this alignment. The project alignment included numerous utilities, including a parallel 14' (W) x 10" (H) Los Angeles County box culvert storm drain, and several Los Angeles County Sanitation District sewers. The project included nine connections to existing facilities at Maple Avenue, Taylor Avenue, Davis Avenue, and Greenwood Avenue.



Pipeline Construction under I-5

Eastern Wells and Pipeline (2010-2011)
 City of San Juan Capistrano
 Contact: Mr. Glenn Garrett, Utility Programs Supervisor (949) 234-4415
 AKM Staff: Z. Kayiran (PIC), G. Hobson (PM), R. Wong (SE)

AKM prepared a preliminary design report and final design, and provided construction support services for the Eastern Wells and Pipeline Project consisting of two wells and 9,400 LF of 16-inch and 20-inch water transmission pipeline, including open trenching under the I-5 overcrossing, and tunnel installation under the Metrolink tracks. AKM provided construction support.



Warner Avenue Gravity Sewer

SEWER PIPELINE PROJECTS

Warner Avenue Gravity Sewer and Lift Station "C" (2012-2014)
 City of Huntington Beach
 Contact: Mr. Andrew Ferrigno, Senior Civil Engineer (714) 536-5291
 AKM Staff: Z. Kayiran (PM), J. Loague (PE), J. Lee (DE), R. Wong (SE), G. Deiter (Constructability Review)

AKM was responsible for preparing plans, specifications, and estimates for construction of a 1200 gpm lift station, 800 feet of 12-inch force main with a bridge crossing, 3,000 feet of 15-inch gravity sewer line along with manholes and sewer connections; demolition of three existing lift stations, and demolition of an abandoned lift station.

Lincoln Avenue and Cypress Street Sewer Rehabilitation (2011-2012)
 City of Cypress
 Contact: Mr. Doug Dancs, Director of Public Works/City Engineer (714) 229-6744
 AKM Staff: Z. Kayiran (PM), J. Loague (QA/QC), M. Ying (PE), D. Pay (Condition Assessment)

AKM was responsible for preparation of plans, specifications, and estimates; and providing construction support services for 2,400 feet of 8-inch to 21-inch diameter gravity sewer in Lincoln Avenue, and lining of 620 feet of sewers in Cypress Street and an alley.

Alley North to Ocean Avenue, Waterline, and Sewer Replacement from Main Street to 14th Street (2011-2011)

City of Seal Beach

Contact: Mr. Sean Crumby, Director of Public Works (562) 431-2527 x1318

AKM Staff: Z. Kayiran (PIC), J. Loague (PE), R. Wong (SE)

AKM was responsible for the preparation of plans, specifications, and estimates for water and sewer replacement in an existing alley. The work included 1,200 LF of 8-inch sewer replacement and 1,500 LF of 8-inch water main replacement.



Alley North of Ocean

WATER PUMP STATIONS

Reservoir 1 Booster Pump Station and Replacement (2012-2013)

City of Fountain Valley

Contact: Mr. Mark Lewis, Director of Public Works (714) 593-4435

AKM Staff: Z. Kayiran (PM), J. Loague (PE), J. Lee (DE), R. Wong (SE), G. Deiter (QA/QC)

AKM was responsible for preparing plans, specifications, and estimates for the replacement of an existing aged and inefficient booster pump station pumping into a closed system, with a new pump station with four 1900 gpm pumps to provide greater operational flexibility for the system with multiple wells and a second booster pump station pumping into the system.



Reservoir No. 1 Pump Station

Hidden Canyon Booster Pump Station (2011-2012)

City of Anaheim

Contact: Mr. David Shen, Water Engineering and Design Manager (714) 765-4421

AKM Staff: Z. Kayiran (PM), G. Hobson (PE), R. Wong (SE)

AKM was responsible for preparation of Preliminary Design Report, site, landscaping, and mechanical design of Hidden Canyon Pump Station expansion including design of new vertical turbine pumps and.

Equipping of Well No. 31 and Upgrades to Lampson Reservoir Booster Pump Station (2011-2012)

City of Garden Grove

Contact: Mr. Robert Bermudez (714) 741-5349

AKM Staff: Z. Kayiran (PM), J. Loague (PE), R. Wong (SE), J. Lee (DE)

AKM was responsible for preparation of a preliminary design report, and final design for equipping of a well with 500 HP, 3500 gpm capacity, variable frequency drive operated pump capable of pumping into the adjacent ground level reservoir for nitrate blending, and into the closed system; improvements to the adjacent booster pump station consisting of replacement of two constant speed pumps to operation with variable frequency drives in order to provide proper operational flexibility, and the nitrate monitoring system.



Equipping of Well 31 and Lampson Reservoir Booster Pump Station Upgrades

Beverly Manor Booster Pump Station (2014-2015)

City of Seal Beach

Contact: Mr. Sean Crumby, Director of Public Works (562) 431-2527 x1318

AKM Staff: Z. Kayiran (PIC), J. Loague (PM/PE), J. Lee (DE), R. Wong (SE)

AKM was responsible for the preparation of plans, specifications, and estimates for the City's Beverly Manor Reservoir/Booster Pump Station Complex Upgrades. The work included replacement of two 75 hp, 1,400 gpm booster pumps, one 150 hp 2,000 gpm well pump, and three natural gas engine drivers with new pumps and electric motors of comparable size.



Beverly Manor

WASTEWATER PUMP STATIONS

Warner Avenue Gravity Sewer and Lift Station "C" (2013-2014)

City of Huntington Beach

Contact: Mr. Andrew Ferrigno, Senior Civil Engineer (714) 536-5291

AKM Staff: Z. Kayiran (PIC), J. Loague (PM/PE), J. Lee (DE), R. Wong (SE), G. Deiter (Constructability Review)

AKM was responsible for preparing a preliminary design report, plans, specifications, and estimates for the construction of 3,100 LF of 15-inch VCP sewer, 800 LF of 12-inch ductile iron force main, and the construction of a 1,200 gpm submersible pump station.



Warner Avenue Gravity Sewer and Lift Station "C"

Sewer Lift Station No. 3 (2012-2013)

City of Alhambra

Contact: Mr. Dennis Ahlen, General Manager of Utilities (626) 570-3274

AKM Staff: Z. Kayiran (PM), J. Loague (PE), J. Lee (DE), G. Deiter (Constructability Review), G. Hobson (QA/QC), R. Wong (SE)

AKM was responsible for the design of a new submersible duplex sewer lift station which will replace an existing 90-year old wet well-dry well lift station partially located under the I-10 Freeway lanes and the westbound Ramona Road on-ramp. The work consisted of utility relocations, 500 LF of 8-inch gravity sewer, 50 LF of 6-inch ductile iron force main, and a submersible pump station with duplex slide-rail pumps, and emergency generator, and new electrical, controls, and SCADA.



Sewer Lift Station No. 3

Pump Station No. 2 (2013-2014)

Camarillo Sanitary District

Contact: Ms. Lucia McGovern, Deputy Director/Environmental Engineer (805) 388-5334

AKM Staff: Z. Kayiran (PM), J. Loague (PE), R. Wong (SE), D. Pay (Hydraulic Analysis), G. Deiter (Constructability Review)

AKM was responsible for preparation of plans and specifications, including pump pre-purchase specification, and providing engineering services during construction for the upgrade replacing the existing non-clog pumps with screw centrifugal pumps to eliminate the recurring ragging issues at the facility. The work included extensive flow and discharge pressure monitoring and review of SCADA data to quantify the influent flow variation during wet and dry weather periods for proper pump selection; new switchgear and variable frequency drives; a new bypass pumping connection, and magnetic flow meter.



Camarillo Pump Station No. 2

Sewer Pump Station No. 1 and 7 (2011-2012)

City of El Segundo

Contact: Mr. Lifan Xu (310) 524-2300

AKM Staff: Z. Kayiran (PIC), J. Loague (PM), G. Deiter (PE), R. Wong (SE)

The purpose of this project was to divert the flows from Pump Station No.7 to Pump Station No.1, improve the pumping and operational/emergency storage capacity at Pump Station No.1, install a diesel powered standby pump, construct a new force main, and remove Pump Station No.7 from service. The project required significant modifications to the gravity sewer system to divert the flows from Pump Station No. 7, specifically the new work included:

- Construction of a new reinforced concrete **40,000 gallon operational/emergency storage wet well**
- Replacement of the two (2) existing pumps with new 1000 gpm screw centrifugal pumps
- Replacement of 8" and 10" discharge piping and valves in the dry well
- New ventilation system
- Installation of an above-grade, self-priming, diesel sewage pump system
- 850 LF of 10-inch D.I. forcemain
- Park grading and restoration
- New pump control panel, SCADA panel, and manual transfer switch
- Miscellaneous sewer modifications at 3 locations

WELLS

Well 12 (2012-2013)

City of Santa Fe Springs

Contact: Mr. Frank Beach, Utilities Services Manager (562) 868-0511

AKM Staff: Z. Kayiran (PIC), J. Loague (PM), J. Lee (DE), G. Deiter (Constructability Review), S. Patterson (Construction Management)

AKM Consulting Engineers designed and provided construction management services for the Equipping of Well 12, which replaced Well No. 2, removed from operation due to high arsenic levels.

The new well is equipped with a 300 HP, 2,000 gpm capacity 18 pulse VFD operated pump. The facility includes a 1,300 S.F. block building with an intrusion detection security system; pump to waste system including 1,200 L.F. of 24-inch RCP to the local drainage system; sand



Well 12

separator; 16-inch discharge piping connecting to the City’s distribution system; and site improvements consisting of a perimeter block wall, yard paving, motorized entry gate, and lighting. Disinfection is accomplished with a bulk sodium hypochlorite chemical feed system with duplex, skid mounted packaged pumping system, 500 gallon bulk storage tank, and chlorine residual analyzer/controller, aqua-ammonia pumping system, storage tank, scrubber and analyzer. All controls are PLC based, utilizing a state-of-the-art touch screen panel for indicating signals and operating equipment. The site is also connected to the City’s SCADA system via a spread spectrum radio links, to allow for remote monitoring of the site.

**Destruction of Wells 27 and 28, and Drilling and Equipping of Well No. 58 (2012-2013)
 City of Anaheim (2013-2014)**

Contact: Ms. Lisa O’Connell, Associate Engineer (714) 765-4225

AKM Staff: Z. Kayiran (PIC), G. Hobson (PE)

AKM Consulting Engineers prepared plans, specifications and estimates, and provided construction support services for drilling, equipping and site improvements of Well No. 58, and destruction of Wells 27 and 28. AKM reviewed the sieve analyses from the Well 58 pilot hole and approved the gravel pack and well screen selection. The new well pump was selected based upon the results of the step-drawdown and long term aquifer tests, as well as hydraulic analysis of the system. Well 58 is a high capacity (3,000 gpm) potable water well serving both the 400 and the 555 pressure zones. Wells 27 and 28 were inactive wells and were destroyed per State and local regulations as part of this project. These two wells had to be abandoned and sites evacuated before July 2012. The AKM Project Team prepared a separate bid package for fast-track destruction of the wells to meet the required time table.



City of Anaheim Well 27

Equipping of Well 31 and Lampson Reservoir Pump Station Improvements (2011-2012)

City of Garden Grove

Contact: Mr. Robert Bermudez, Water Production Supervisor (714) 741-5395

AKM Staff: Z. Kayiran (PM), J. Loague (PE), R. Wong (SE), J. Lee (DE)

Garden Grove drilled Well 31 into the deep aquifer at its Lampson Reservoir Site. The well provides up to 4000 gpm of high quality water, which not only increased the City’s sources of supply, but also provided the following: :

1. It replaced the use of existing cable tool drilled Well 23, which was advancing in age and beginning to experience reductions in capacity.
2. It allows the City to utilize the full capacity of Well 28 in the nitrate blending operation, and still meet the regulated MCL limit for nitrate concentrations.
3. The extra capacity provided by the new well allows the City to divert water to its West Pressure Zone. The diversion improved operations and reservoir turnover in the West Pressure Zone. It also eliminated the need to replace existing Well 16, which supplies the West Pressure Zone.
4. The well has the capability of pumping into the on-site reservoirs (discharge pressure of 10 psi), or directly into the closed distribution system at a discharge pressure of 60 psi. This allows the City to supply the East Pressure Zone, if the Lampson Booster Station or reservoirs are out of service.

AKM prepared construction plans, specifications, and estimates, and provided bidding and construction inspection/management services for the project.



Equipping of Well No. 31

Well 9

City of Fountain Valley (2010-2011)

Contact: Mr. Mike Green, Special Project Manager (714) 593-4607

AKM Staff: Z. Kayiran (PIC), J. Loague (PM), R. Wong (SE), G. Deiter (CM), E. Kayiran (CM), S. Patterson (CM)

AKM Consulting Engineers prepared plans, specifications, and estimates for the drilling and equipping of the well. The 3,500 gpm domestic water well is located in a residential neighborhood adjacent to Nieblas Park. The well consists of a 20-inch diameter stainless steel louvered casing and is 1000 feet deep. A 500 HP, 4-stage well pump rated at 3,500 gpm at 400 feet TDH is used to pump the water through a new 2,800 LF, 16-inch CML&C steel watermain designed as part

of the project in Gardenia Avenue and Bushard Street, to a connection with the City's existing distribution system in Warner Avenue. A 100 lb/day on-site sodium hypochlorite generation system (OSHGS) is used for disinfection. The OSHGS consists of a brine tank, storage tank, skid-mount booster pumps, and solution pumps. A fluoridation system is used to add fluoride to the City's water system. The fluoride system consists of two 55 gallon storage tanks -- one for mixing and one for storage. Solution pumps are used to feed the 4% fluoride solution into the discharge pipe. The electrical components of the well building include a 1,000 amp switchboard, including a 500 hp variable frequency drive with a solid state bypass starter. The well equipment is enclosed in a 1585 square foot building, which includes sound panels on the walls of the pump room. The well building is located southeast of the park, primarily to keep its distance from children playing in the park. The exterior of the building was designed to blend in with the surrounding residential homes. The site is graded to collect all drainage on-site into two drain boxes. The drain boxes have catch basin inserts, which prevent debris and sediment from flowing into the downstream drainage system.



Fountain Valley Well No. 9

RESERVOIRS

R-3 (Zone 2) Reservoir (2012-2013)

City of Corona

Contact: Mr. Jonathan Daly, General Manager (951) 736-2477

AKM Staff: Z. Kayiran (PM), G. Hobson (PE), R. Wong (SE)

R-3 Reservoir is a 2.5-MG partially buried pre-stressed and post-tensioned DYK type potable water reservoir, which replaced an existing gunite lined reservoir with redwood frame and corrugated metal roof. The project included demolition of the existing reservoir, nitrate blending facility, and the inlet/outlet lines; site grading and construction of a 2.5 million gallon (135 ft diameter, 24-ft water height) tank; one 12-inch inlet line with an altitude valve from the Zone 2 system, and one 12-inch inlet from the new nitrate blending facility; a 16-inch diameter reservoir outlet line; and an 18-inch overflow line.



R-3 (Zone 2) Reservoir Rendering

Beverly Manor Reservoir Repair (2015-2015)

City of Seal Beach

Contact: Mr. Sean Crumby, Director of Public Works (562) 431-2527 x1318

AKM Staff: Z. Kayiran (PIC), G. Hobson (PM)

AKM Consulting Engineering prepared plans, specifications, and estimates for the Beverly Manor Reservoir Repair for the City of Seal Beach. AKM provided bidding support services and is currently assisting the City of Seal Beach with engineering services during the construction of repairs to the 4 million gallon ground level reservoir. The project included replacement of the corrugated metal roof with an aluminum dome roof and installation of water quality management system which will maintain the desired quality of the reservoir.

Recycled Water Expansion (2012-2013)

City of San Clemente

Contact: Mr. David Rebensdorf, Assistant City Engineer (949) 361-6130

AKM Staff: Z. Kayiran (PIC), J. Loague (QA/QC), G. Hobson (PM)

AKM prepared the City’s Water and Recycled Water Master Plans, which recommended a CIP to increase recycled water use from 1.5 mgd to 4.4 mgd. The project included two recycled water pump stations, 45,000 feet of transmission and distribution system piping (20”-6”), one pressure regulating station, and a 0.2 mg potable water forebay reservoir.

The reservoir replaced the existing 2 mg Reservoir 11, which was converted from potable to recycled water service. The project included associated yard piping, details for connecting to the existing domestic water booster station, and existing yard piping modifications.



FLOOD CONTROL / DRAINAGE PROJECTS

Aspen/Graham/Walker Street Storm Drain PW Project No. 86 (2012-2014)

City of Cypress

Contact: Mr. Doug Dancs, Community Development Director (714) 229-6744

AKM Staff: Z. Kayiran (PM), M. Ying (PE), G. Hobson (QA/QC), E. Kayiran (Constructability Review)

AKM was responsible for a hydrology study covering a drainage boundary of 110 acres, and hydraulic analyses for sizing a drainage system to convey the 25-year high confidence storm runoff. The recommended system includes 857 feet of 6’ x 4’ RCB, 120 feet of 5’ x 4.5’ RCB, 246 feet of 5’ x 3.5’ RCB, 1,320 feet of 72-inch RCP, 294 feet of 48-inch RCP, 385 feet of 42-inch RCP, 209 feet of 36-inch RCP, 198 feet of 30-inch RCP, and 480 feet of 24-inch RCP. Because of shallow outlet facilities, two local sumps in the upstream drainage system, shallow ground cover were very stringent restrictions to the design.

Electric Avenue Storm Drain (2009-2011)

City of Seal Beach

Contact: Mr. Sean Crumby, Director of Public Works (562) 431-2527 x1318

AKM Staff: Z. Kayiran (PIC), M. Ying (PE), R. Wong (SE)

The Electric Avenue drainage boundary covers 106 acres of residential area. Since the drainage boundary is subdivided by a long stretch of a community park, a dual drainage system with several laterals was constructed in different phases starting as early as 1940’s. The major drainage system, a 54-inch RCP, conveys the runoff to the Orange County Flood Control District’s Seal Beach Pump Station (Facility C00PS1), which was constructed in 1971. The existing storm drain system deficiencies caused flooding problems in the Old Town community.



Electric Avenue Storm Drain

AKM designed a new parallel drainage system consisting of 1,141 feet of 66-inch RCP to convey the 25-year peak storm runoff to the pump station. Additional lateral systems to the main line including 200 feet of 36-inch RCP, 55 feet of 30-inch RCP, 545 feet of 24-inch RCP, and 620 feet of 18-inch RCP were constructed.

Flomar Storm Drain (2008-2010)

City of Whittier

Contact: Mr. Leon Yehuda, Deputy Director of Public Works (Retired) (949) 654-7811

AKM Staff: Z. Kayiran (PM), M. Ying (PE), R. Wong (SE)

The Flomar Drain tributary area covers 68 acres and was served by a reinforced concrete box with a capacity of 30 cfs. The entire tributary area is in a sump condition and the tributary peak 50-year flow is 130 cfs. The existing drainage system had grossly inadequate capacity and caused significant ponding, property damage, and impaired access to properties on Flomar Drive. Also, lack of storm drains, flat grades, and pavement lifted by tree roots all contributed to ponding of urban runoff and created vector problems for the residents.



Flomar Storm Drain

AKM conducted hydrologic studies, and hydraulic analyses with the use of the WSPG program. The results of these analyses led to the design of a new drainage system that provided protection from the 50-year storm peak flow for the tributary watershed. The recommended system included reinforced concrete box sections to accommodate the presence of shallow downstream outlet drains. The alignment had to be located between two private residence, which required removal of one garage and construction of a new garage away from the new storm drain. AKM prepared final plans, specifications, and estimates for the project consisting of 1,575 feet of facilities varying in size from 6'W x 3.5'H reinforced concrete box at the downstream end of the project to 24-inch reinforced concrete pipe at the upstream end. AKM provided construction support services for the project, which was administered by the US Army Corps of Engineers.

Haster Retarding Basin and Stormwater Pump Station (2003-2015)
Orange County Public Works/Flood Control District
Contact: Mr. Vincent Gin (714) 647-3907); Jim Volz, Senior Civil Engineer (714) 647-3904
AKM Staff: Z. Kayiran (PM), J. Loague (PE), M. Ying (Hydrologic Studies and Hydraulic Analysis), G. Hobson (QA/QC), R. Wong (SE), G. Deiter (Constructability Review)

AKM was responsible for hydrologic and hydraulic studies, formulation and evaluation of alternatives, of a Preliminary Design Report, Basis of Design Report, final design, and engineering services during construction for a 250 acre-foot flow-through retarding basin and a 460 cfs capacity pump station to provide expected value 100-year protection to a 2,000 acre watershed, triple box inlet storm drain, and modifications to the outlet channel to increase its capacity by 15%.

Myra Avenue In-Line Detention Basin and Storm Water Pump Station No. 2 (2008-2013)
City of Cypress

Contact: Mr. Doug Dancs, Community Development Director (714) 229-6744
AKM Staff: Z. Kayiran (PM), J. Loague (PE Pump Station), M. Ying (PE Detention Basin/Storm Drains), J. Nitta (DE), J. Lee (DE), R. Wong (SE), G. Hobson (QA/QC), E. Kayiran (CM)

AKM was responsible for preparation of a preliminary design report which developed and evaluated alternative projects to eliminate the condition and capacity deficiencies; final design; and complete construction inspection and management services for the project consisting of 1,351 feet of reinforced concrete box in-line detention basin and tributary storm drains; improvements to the existing pump station wet well, a superstructure to house the new pumps and electrical equipment; two 33 cfs axial flow pumps, a natural gas emergency generator, and SCADA control system.



Haster Retarding Basin and Stormwater Pump Station



Myra Avenue In-Line Detention Basin and Stormwater Pump Station No. 2

AESCO (GEOTECHNICAL)

Roadway Improvement - Yorktown and Ward, Slater Avenue, Graham Avenue, Heil Avenue, Magnolia Street, Garfield Avenue, Gothard Street, Etc.

City of Huntington Beach

Contact: Mr. Andrew Ferrigno, Senior Civil Engineer (714) 536-5291

Aesco performed a site survey of several roadway to evaluate the condition of existing pavement structural sections. Borings were performed and logged and laboratory testing was conducted to determine condition of the subgrade. Construction recommendations were provided for ten and twenty year life for new pavement structural sections and/or overlaying of the existing pavement.

Warner Avenue Gravity Sewer Lift Station C

City of Huntington Beach

AESCCO performed a geotechnical and environmental Phase II investigation for a new lift station facility. The project consisted off the replacement of thee existing Lift Stations B and CC and the Sunset Beach Sanitary Lift Station with a new Lift Station C. The submersible lift station incorporated a 144 foot by 266 foot by 22 foot deep wet well. The bottom of the well foundation was approximately 26 to 27 feet below existing grade. The new lift station also included an 8-foot deep valve vault which was 15 feet by 10 feet in plan dimension, a 60 kW outdoor generator, and electrical panels. A limited Phase I environmental investigation was conducted at the site prior to performing the borings to identify the locations of possible contamination. Groundwater monitoring g wells were installed and environmental testing was conducted on the groundwater and soil. Pump tests were also performed. Permits were obtained from the County of Orange prior to installation of the monitoring wells. Liquefaction analysis was performed. Recommendations were provided for shoring during construction, dewatering, sewer line installation using trenching methods, bedding

materials, mat foundation including bearing pressures, lateral earth pressures, and wall backfill.

**Highway 330-Caltrans
Big Bear/Caltrans**

Aesco was responsible for performing a geotechnical investigation for replacement of culverts that were washed away on Highway 330. Aesco logged and classified soil borings and performed laboratory testing. Recommendations were made for repair of the culverts and the existing roadway which included jack and bore and grouting or open trench excavations.

**Storm Drain Modifications
OCTA**

Aesco performed materials testing and inspection for the modifications to the existing storm drain at the Anaheim Bus Base located at 1717 E. Via Butron. Aesco performed testing and inspection of the storm drain backfill and reinforced concrete. Aesco also performed maximum density testing at the laboratory. All reports were digitally sent to OCTA daily.

COAST SURVEYING (SURVEYING)

**I-405 Widening Project
Caltrans HQ Structures**

Contact: Y. Nien Wang, PE (714) 460-1650

Coast Surveying, Inc. was hired by HNTB, under their contract with Caltrans Headquarters Structures (District 43), to perform survey and right of way services related to engineering design for freeway and bridge widenings, and retaining walls on I-405. Work consisted of locating various bridge details such as columns, piers, abutments, approach slabs, edge of deck, and underlying roadways and utilities. Also located edge of shoulder, edge of pavement, barrier walls, slopes, flood control channel, retaining walls, on ramps and off ramps, laid out proposed retaining walls.



**Willimington Avenue/I-405 Interchange
City of Carson**

Contact: Carlos Cadena, PE, Caltrans District 7 (949) 263-9322

Coast Surveying, Inc. was hired by Parsons Transportation Group, under their contract with the City of Carson, to perform survey and right of way services related to final engineering design of a new NB on-ramp, redesign of SB on-ramp and SB on-ramp, widening of Wilmington Avenue north and south of the freeway, at Wilmington Avenue/223rd Street/Dominguez channel intersection, and other related improvements. Work consisted of survey and right of way research, horizontal and vertical control – tying into Caltrans control using GPS and digital levels, photo control, aerial mapping per Caltrans standards, recovering existing centerline monumentation, tying into centerline monuments, right of way delineation, design surveys on I-405 on both shoulders, design surveys on SB on & off ramps, and design surveys on Wilmington Avenue



**Clinton Keith Road/SR-215 Interchange
City of Murrieta**

Contact: Roger Cunliffe-Owen, PE, City of Murrieta (951) 461-6001

Coast Surveying, Inc. was hired by AECOM, under their contract with the City of Murrieta, to perform survey and right of way services related to final engineering design of a new replacement bridge structure, on & off ramp realignment, and roadway approaches for interchange of realigned Clinton Keith Road and SR-215 Freeway. Work consisted of Caltrans Encroachment Permit, survey and right of way research, horizontal and vertical control – tying into Caltrans control using GPS and digital levels, recovering existing centerline offset monumentation on SR-215, coordinating with a local developer’s surveyor who prepared the aerial mapping for this project, tying into centerline and boundary monuments representing the existing land net, computed land net property lines and existing R/W lines, design surveys on SR-215 on both



shoulders and median, design surveys on all four ramps and gore areas, and design surveys on Clinton Keith Road. Deliveries in MicroStation. Work also consists of preparing legal descriptions and sketches for fee, slope easement, and TCE property acquisition by the City of Murrieta, which will then be transferred to Caltrans. Also preparing Caltrans Right of Way mapping for the new interchange.

TRAFFIC CONTROL ENGINEERING (TRAFFIC CONTROL)

Sewer CCTV Inspection and Repair/Rehabilitation City of Redondo Beach

Contact: Geraldine Trivedi, Associate Civil Engineer (310) 318-0661

Traffic Control Engineering prepared traffic control plans for CCTV inspection including inspection along Pacific Coast Highway. This project required Caltrans permitting.

Lift Station No. 3

City of Alhambra

Contact: Dennis Ahlen (626) 570-3274

Traffic Control Engineering prepared traffic control plans for construction of sewers and lift station No. 3. The project was in Caltrans right-of-way, and TCE obtained Caltrans permits and review of Caltrans plan.

Harbor Area Recycled Water Conveyance Pipeline

West Basin Municipal Water District

Contact: Don Zylstra (310) 660-6212

Traffic Control Engineering prepared traffic control plans for construction of 23,000 LF of 30-inch pipeline in the City of Carson. The project included crossing of the 405 freeway and Caltrans right-of-ways.

ULTRASYSTEMS ENVIRONMENTAL (ENVIRONMENTAL)

On-Call Environmental Services and Permitting

County of Orange

Contact: Rory Paster (714) 647-3912

UltraSystems is under contract to the County of Orange, Public Facilities and Resources Department (PRFD) and provides services that relate to supplemental environmental and engineering services. These allows the County to meet workload demands and keep County-related projects on schedule. Ms. Lindsay serves as the Contractual Manager, ensuring that projects are scheduled accordingly with in-house staff.

As-Needed Environmental Documentation and Regulatory Permit Contract

Los Angeles County

Contact: Ed Dingman (626) 458-3933

Ms. Lindsay is serving as Principal-in-Charge for two on-going contracts with the County of Los Angeles. She assists with the oversight of all environmental documentation preparation and entitlement processing, as well as technical services. UltraSystems is currently under contract by Los Angeles County to provide "as-needed" environmental services for various projects throughout the County for County-related project. Specific task orders are issued by the County, and all services are performed in compliance with policies, procedures, and standards of Public Works. Since 1994, UltraSystems has managed over 200+ projects for the County.

GEOSCIENCE (GEOHYDROLOGY)

Evaluation of the West Coast Basin Injection Well Performance

West Basin Municipal Water District

Contact: Phil Laurie (310) 660-6238

During the last ten years, the Los Angeles County Department of Public Works (LACDPW) has injected between 7,700 and 21,000 acre-feet of fresh water annually into the West Coast Basin Barrier Project (WCBBP) in an ongoing effort to prevent sea water intrusion from deteriorating ground water supplies in the West Coast Basin. These injected waters have consisted of 44% to 63% State Project and Colorado River water purchased from the Metropolitan Water District (MWD) and 27% to 66% recycled water purchased from the West Basin Municipal Water District (WBMWD). Recently, the WBMWD performed approximately \$20 million in improvements to their West Basin Water Recycling Facility (WBWRF) to increase capacity in anticipation of additional demand for recycled water at the WCBBP resulting from changes in the NPDES permit and the potential to go to 100% recycled water for future injection. To further assure that the increased capacity of the WBWRF could be accommodated at the WCBBP and to gain insight into the wide range of annual injection volumes, the WBMWD employed GEOSCIENCE to conduct a study of barrier operations and

infrastructure. Specifically, the purpose of the study was to examine periods of reduced injection volumes at the WCBBP during the last 10 years, identify reasons for the reduced volumes where possible, and make recommendations on potential ways to maximize barrier efficiency and capacity.

Corrosion Field Tests of Steels Used for Well Casing and Screen – Well No. 18

City of Ontario

Contact: Scott Burton (909) 395-2682

At the request of the City of Ontario, a corrosion field test was performed to determine the most appropriate steel type for well casing and screen to be used during subsequent City well installations. Multiple sets of metal coupons for five steel types were installed within City Well No. 18 and were exposed to ground water for periods of approximately 3 weeks, 3 months, and 1 year. The coupons were then retrieved, photographed and accurately weighed to evaluate rates of metal loss due to corrosion. Depth-specific samples of ground water and the well casing were collected from Well No. 18 and analyzed for corrosion potential and evidence of encrustation and microbiologically-influenced corrosion (i.e., iron related bacteria, slime forming bacteria, and sulfate reducing bacteria).

Metal loss rates generated from the study were used to make the following determinations:

- Most corrosion resistant well casing and screen materials,
- Estimated impact of corrosion on casing collapse strength,
- Estimated well life expectancy, and
- Cost comparisons of various construction materials taking into account estimated well life, and rehabilitation and replacement schedules.

The results of this study indicated that stainless steel, particularly 316L stainless steel, offers the greatest corrosion resistance. As such, the City of Ontario now constructs all municipal water wells with 304L stainless steel materials.

Geoscience has participated on many projects in the past with AKM Consulting Engineers including:

Well 9 – City of Fountain Valley

Well 12 – City of Santa Fe Springs

Edinger Well – City of Tustin

Pasadena Avenue Well – City of Tustin

SECTION 5 - OVERVIEW AND APPROACH

AKM Consulting Engineers was established in 1990 for the purpose of providing high quality professional services to public agencies in water, wastewater, recycled water, and stormwater infrastructure planning, design, and construction management/inspection services. We have had on-call service contracts with the following agencies:

- City of Alhambra
- City of Anaheim
- City of Corona
- City of Camarillo
- City of Cypress
- City of El Segundo
- City of Huntington Beach
- City of Los Angeles
- City of Ontario
- City of Seal Beach
- Orange County Public Works
- Los Angeles County Department of Public Works
- Garden Grove Sanitary District
- Moulton Niguel Water District
- West Basin Municipal Water District
- South Montebello Irrigation District

Having worked for public agencies nearly exclusively since our inception, AKM has an in-depth understanding of their needs, and level of performance required when providing on-call services. We also understand the schedule, budget, and management requirements of public agencies, particularly in the types of utility projects under consideration. Most of these are projects will either replace an existing facility, or implement repairs/upgrades to existing facilities. Maintaining adequate service to the customers with the least impact on their daily routines during the implementation of these projects is an extremely important part of the work.

Through the preparation of the City's Water and Wastewater Master Plans, we are intimately familiar with the purpose and scope of work of each water and wastewater project included in the City's Capital Improvement Program. We also prepared the Water and Sewer Master Plans of the City of El Segundo, and the Sewer Master Plan of the City of Redondo Beach. We have completed many projects for both agencies, and have established an excellent working relationships with their staff. Examples include improvements to City of El Segundo's sewer pump stations. We completed the design of improvements to Pump Stations 4, 5, 6, and 13, and provided construction support services for their implementation. The Pump Station 4 project included a 40,000 gallon emergency storage structure, and a standby generator to operate the facility during commercial power outages. We also completed the design of improvements to Pump Station 1, which includes and emergency storage structure, a diesel engine operated standby pump, as well as a new force main.

Examples of our recent water well experience includes, the design and construction support services for Vandenberg Well, and the design and complete construction management/inspection services for Pasadena Avenue Well for the City of Tustin. We completed the design of Edinger Well, the Tustin Avenue Well, which is within the City of Santa Ana boundaries. We completed the drilling, equipping, and construction management of 10 wells for the City of Corona.

The City of Manhattan Beach's utility design services will include:

Wastewater Projects

- Rehabilitation of gravity sewer mains including spot repairs, relining, and replacement projects
- Replacement of one pump station and its force main
- Upgrades to four pump stations, including emergency storage and new force mains

Water Projects

- Pipe replacement and fire hydrant installation

Block 35 Ground-level Reservoir replacement
Well collection line from Well 11A to Block 35 Reservoir
Block 35 Booster Pump Station Discharge Pipe replacement
Painting of Block 35 Elevated Reservoir
Re-drilling and equipping of Well 15
Sodium Hypochlorite systems at Wells 11A and 15
Peck Ground-level Reservoir replacement
Peck Reservoir Booster Pump Station Variable Frequency Drives
Herrin/Marine Pipe installation

Stormwater Projects

Stormwater quality improvement catch basin inserts
Storm drain spot repairs and sections

The City of Manhattan Beach has developed a very detailed general scope of work, which is applicable to each of the capital improvement projects. We acknowledge the City's scope of work in its entirety. In the following, we will provide our understanding and approach to some of the projects.

1. Re-drilling and Re-equipping of Well 15 and Well Collection Pipeline

Well 15, is located at the south west corner of Manhattan Beach Boulevard and Vail Avenue in the City of Redondo Beach. It was constructed in 1978 with a capacity of 1,600 gpm to replace Wells 13 and 14 due to seawater intrusion and poor water quality. In 2009, its' capacity had dropped to below 500 gpm. The City implemented a well development and re-equipping project, which re-established its original capacity. The 2010 Water Master Plan recommended drilling and equipping a new well, possibly at the site of old Well 13 near the Block 35 facility, to increase local groundwater pumping capacity to above the average day demand (3,940 gpm in 2010). However, since this site had high chloride levels due to past seawater intrusion, the Master Plan recommended that the water quality be tested prior to full well construction, and consider treatment.

The City decided to re-drill and equip Well 15 instead with a desired capacity of 2,200 gpm, in order to ascertain that there would not be the potential water quality problems requiring expensive treatment. The combined capacity of the two wells will exceed the average day demand that was determined in 2010, which could be somewhat lower now due to the water conservation efforts resulting from Senate Bill 7x7. We currently do not know if the City will drill a new well at the existing site, or secure a new site for a new well. Either alternative could be implemented, and will have their specific issues to be addressed. Coordination and permitting with the City of Redondo Beach will be needed. A community relations effort may also be needed depending upon the location of the new well.

Well 15 discharges into a 12-inch diameter ductile iron pipe in Manhattan Beach Boulevard, which extends west to Aviation Boulevard, south to 8th Street, where it reduces to 10-inch, and further extends west to Block 35 Reservoir site. Well 11A, which is located at the south west corner of Green Lane and Manhattan Beach Boulevard, discharges into the 12-inch Well 15 discharge pipe. Because the well collection line is too small for the combined capacities of the two wells, they cannot be operated concurrently. To overcome this problem, the 2010 Master Plan recommended an 18-inch diameter well collection line from Well 11A to Block 35 Reservoir. This line will also connect to the 16-inch line that was constructed to supply well water to Peck Reservoir with adequate isolation valves so that the City will have the flexibility of conveying water to either or both reservoirs.

We anticipate preparing a preliminary design study including the new Well 15, Well 11A, and the Well Collection Pipeline. We will evaluate the system under all operational possibilities, including variations in groundwater levels, and possibility of pumping to the elevated reservoir. We will optimize the pipe size, and determine, in consultation with the City if the operation should include variable speed pumping, along with solid state bypass contactors.

It is essential that we develop complete insight into the client's desires and operational preferences prior to initiating each project, and document it. This allows us to develop a roadmap for the project; minimizes misunderstandings, project changes, and inefficiencies in undertaking the work. This will include the preferred materials, valves, SCADA, control panels, PLC, pumps, and other equipment. We will then document the work in a preliminary design report (PDR) prior to final design. We will collect all available information, including all existing utilities along the potential paths of the well collection pipeline (WCP); traffic control requirements from Redondo Beach and Manhattan Beach; architectural requirements for any above ground structures, working hour restrictions; and master plans of each agency that has jurisdiction; historical static and pumping groundwater levels at the two well sites as well as at nearby wells; and the efficiency test results at Well 15 and 11A.

We will perform the initial pipeline alignment studies utilizing the existing street improvement and utility plans with field verification through walking each potential alignment. Based upon this information, we will develop alternative alignments west and south of the Aviation Boulevard/Manhattan Beach Boulevard intersection to the Block 35 Reservoir Site. We will identify where it may be beneficial to use trenchless technology to eliminate construction in busy intersections.

With the use of the City's calibrated hydraulic model, we will establish project specific models for analyzing the system first with the best information available. If the new well will be drilled at the existing site, we will utilize the information from the existing drilling log to develop initial assumptions. We will select initial alternative pumps for Well 15, and analyze the system with each well discharging to Block 35 Ground Level Reservoir only, to Block 35 Elevated Tank only, to Peck Reservoir only; both wells pumping to Block 35 Ground Level Reservoir only, to Peck Reservoir only, and to both reservoirs. We will review the work with the City as it is developed to exchange information, and receive input and direction. We will evaluate alternative pipe sizes, including capital improvement cost and operational cost to aid in selecting the proper pipe size.

We will prepare preliminary WCP alignment plans and profiles, showing all known utilities on both views. We will endeavor to locate the WCP where it will be easy to construct them and maintain them. We will discuss the need to pothole any of the utilities that may interfere with the pipeline at this stage. We will prepare street cross sections illustrating the location of the WCP as well as the parallel utilities.

We will then conduct an evaluation of the site of the new well, whether it is at the existing site, or at a new site. Assuming it is at the existing site, we will develop alternative layouts that will allow placing mud tanks and the drilling rig, sound panels, as well as access for future maintenance of the well. This will require demolition of several on-site facilities, including possibly the existing structure housing the standby generator. We will have an initial meeting with the City to document their desires and ideas prior to initiating this work. The layout will show the well location, well housing; location and size of the switchgear, automatic transfer switch, motor control center and the well control panel (we will verify the adequacy of the existing electric service size, and coordinate the work with SCE); discharge piping including flow meters and valves, and sodium hypochlorite injection points connecting to the existing 12-inch pipe; discharge to waste facilities; and connection to the storm drain system.

We will review the drilling methods; casing and screen materials such as stainless steel (316 and 304), high strength-low alloy (HSLA or Corten), as well as diameters with the City. With the desired pump capacity of 2200 gpm, the bowls will be in the 14-inch to 15-inch diameter range. We would recommend a minimum pump housing diameter of 22 inches. The well screens will be selected based upon the results

of subsequent e-log and gamma log results and sieve analyses of materials from the water bearing strata, but could be the same size as the pump housing.

We will address any comments by the City, and develop a preferred layout. We will meet with the City of Redondo Beach to obtain their requirements regarding the work. It is always desirable to continue the well drilling (pilot hole and subsequent reaming) continuously to minimize the possibility of losing the hole. Although sound panels will be required, the nearby residents will likely be disturbed by such continuous operation, and it may not be allowed by the City of Redondo Beach. Based upon the information developed and the requirements of the City of Redondo Beach, we will prepare a PDR and submit it to the City. We will address all comments and finalize the PDR.

Following the approval of the PDR, we will initiate detailed aerial and ground survey work for the pipeline alignment and well site. We will also initiate geotechnical work as necessary for the well site and the pipeline, if deemed necessary. If potholing had not been performed earlier, we will complete it to ascertain the alignment and profile during the final design work.

Final Plans, Specification, and Estimates

We will then prepare plans and specifications for drilling and development of the well. We point out that currently, it is very difficult to find drillers willing to bid on public agency work due to an extreme demand by the Central Valley farmers. We will schedule this work following discussions with several respectable well drillers. The plans will show the location of the new well, and existing facilities to be protected in place and those that will be removed and disposed of.

The specifications will include

- City front end documents
- Supplemental General Provisions
- Project Site Maintenance including safety, dust and noise control,
- Construction Methods and Controls, including permits and licenses; NPDES requirements; removals and excavations; connections to existing facilities; testing, disinfection and flushing;
- WPP and best management practices
- Existing Well Destruction
- Pilot Hole Drilling, Downhole Testing, and Reaming, including conductor casing, geophysical surveys, isolated aquifer zone testing, caliper survey
- Well Casing and Accessory Tubes, including casing materials, screen materials, gravel makeup tube, camera tube, sounding tube, and vent tube, alignment testing, gravel pack, annular seal, well development (mechanical, chemical, and pumping), step drawdown and long term aquifer testing, depth specific water quality testing, final well water quality testing, spinner survey, video survey, interim disinfection and well capping.
- Appendix 1 – Compliance with NPDES Permit
- Appendix 2 – California Title 22 Sample Analysis

We will select the gravel pack and the well screen based upon the results of the sieve analyses, review them with the City, and ask the contractor to order them immediately in order to minimize the idle time. Please note that we will have had discussions with Roscoe Moss, the likely supplier of the casing materials to inform them of the upcoming schedule.

We will ascertain that through the gravel pack and screen selection, and well development, this will be a sand free well.

While the well is being developed, we will initiate the design of the well equipping. We will update the analyses conducted earlier with the data from step drawdown and long term aquifer testing to finalize pump selection for the well. We will prepare plans and specifications for bidding of the equipping work.

Depending upon the phasing, the City may pre-purchase long lead time equipment and provide them to the construction contractor for use on the project to reduce the overall schedule. We have implemented this method on several recent projects very successfully, including Well 3 for the City of Camarillo, Recycled Water Pump Station for the City of Camarillo, Sewer Pump Stations No.2 and 6 for Camarillo Sanitary District, Belgrave Sewer Pump Station for Garden Grove Sanitary District, and Myra Stormwater Pump Stations No.2 and No.3. If the City decides to pursue this method, we will prepare purchase specifications for elected equipment (possibly the pump, motor, standby generator and ATS, switchgear and MCC).

The well design will be in complete compliance with the State of California Well Standards, and AWWA Standards. Depending upon the City's preferences, and the City of Redondo Beach requirements, we anticipate developing the following sheets:

1. Title Sheet
2. Site Map
3. Grading Plan
4. Demolition Plan
5. Demolition sections and details
6. Perimeter Wall Plan, Sections, and Details
7. Yard Piping Plan
8. Discharge to Waste Pipe and Settling Basin
9. Backflow Preventer, Hose Bibb, and Emergency Eye Wash Details
10. Sliding Gate Plan, Elevation, Keypad and Operator Mounting Details
11. Well Building Floor Plan
12. Roof Plan and Details
13. Building Elevations
14. Door and Louver Schedules
15. Structural Notes
16. Foundation Plan and Trench Drain Details
17. Roof Framing Plan
18. Roof Framing Details
19. Building Sections
20. Structural Details
21. Typical Reinforcing Details
22. Settling Basin Plan, Section and Details
23. Mechanical Plan
24. Mechanical Sections
25. Chlorination Plan and Details
26. Ventilation Plan, Sections and Details
27. Wellhead Details and Sections
28. Generator Sections and Details
29. Pump Setting, Discharge Head Mounting, and As-Built Well Section
30. Pressure Switch and Transmitter, Chlorine Residual Analyzer, and Pre-Lube System Details
31. Water Tap, Chlorine Injection, Pressure Gage, Water Supply, Sand Sampler, and Chlorination Details
32. Pipe Support Details, Anchor Bolt, and Miscellaneous Details
33. Irrigation System Plan and Details
34. Electrical Notes
35. Single Line Diagram, Switchboard and Motor Control Center Elevations
36. Electrical Site Plan
37. Electrical Service Details

38. Conduit Plan
39. Lighting Plan
40. Lighting Details
41. Well Pump VFD Control Diagram I
42. Well Pump VFD Control Diagram II, VFD Cabinet Elevation
43. Chlorine Room Control Panel Layout and Control Diagram
44. Exhaust Fan Control Diagrams and Control Panel Layout
45. Well Control Panel Elevation, Power Diagram, and Analog I/O
46. Well Control Panel Digital I/O
47. Well Process and Instrumentation Diagram
48. Chlorination System Process and Instrumentation Diagram

We will implement our QA/QC reviews, including constructability review by our construction managers/inspectors as the project is developed. We will make the required submittals to the City and address all comments. We will also process the work through the City of Redondo Beach, including the Building Department.

We will advance the preliminary design plans for the Well Collection Pipeline to 60%, 90%, and 100% stages following the completion of detailed survey work. We will prepare the plans at a 1"=20" horizontal scale in order to adequately illustrate the necessary details.

We will develop details for each connection to the existing facilities, as well as details for any special construction such as jack and bore casings and pipe installations, trench bedding, backfill and street sections. If required, we will prepare construction traffic control plans for review by the agencies. Normally, this is prepared by the Construction contractor to reflect its means and methods, including shoring and dewatering, if necessary.

We will submit the WCP plans to the utilities and agencies for their review and concurrence at 90% completion stage, and incorporate all comments into the plans. We will completely document all correspondence regarding utility coordination.

We will prepare specifications, including the front end documents and technical specifications, and submit them to the City at the 60%, 90%, and 100% completion stages.

With each submittal, we will prepare an estimate of construction cost, utilizing the most recent bid data, as well as vendor quotes for equipment and materials.

We anticipate this project will require a mitigated negative declaration. We will prepare the documents necessary to process it through the City of Redondo Beach and submit it for review and comments to Manhattan Beach prior to submittal to the City of Redondo Beach.

2. Sewer Pump Station

Poinsettia Lift Station was constructed in 1949, and retrofitted in 1995. While the firm pump station capacity is greater than the expected peak wet weather flow, the wet well is very small, which results in frequent pump starts. Additionally, there is no emergency storage in case of a mechanical failure at the station. It has a 4-inch cast iron force main, which was also constructed in 1949. It has well exceeded its useful life. The Wastewater Master Plan recommended that this facility be replaced with a new pump station, including a minimum of 2,550 gallons (340 cubic feet) of emergency storage.

At the start of the project, we will meet with the City staff to develop insight into their desires for equipment, operation, and maintenance of the facility, including the pump types.

The primary issue with this project is the selection of a site for the new pump station. The existing facility is a wet well/dry well station. These facilities occupy significant footprint. An alternative could be a slide

rail submersible pump station, which does not require entry into the wet well. The emergency storage can be provided in a footprint of 6x10 with a storage depth of 5.7 feet, or 10x10 with a storage depth of 3.4 feet. Such a structure, including the wet well can be constructed of T-lock lined pre-cast reinforced concrete, which will minimize the construction duration, and impact to the neighborhood.

As part of this work, we will verify the influent flow and its pattern. We will then investigate alternative locations for the new facility, and discuss them with the City.

We will prepare a preliminary design report that will evaluate each site with the City's desired pump station alternative (wet well/dry well or submersible)

For each alternative we will develop a plan and section of the station, the gravity sewer conveying the wastewater flows to the new station, bypass pumping facilities, and the new forcemain. We will address shoring issues involved in each alternative, particularly since the new station will likely be close to existing structures. We will also develop a phasing plan for implementation of each alternative, including sewage bypass requirements, if any. We will also evaluate rehabilitating the existing forcemain and incorporating it into a redundant facility for the new pump station. We will develop cost estimates for each alternative and include it in a preliminary design report, including impact to traffic, emergency vehicles, and access to properties, businesses, and the school. We will evaluate the footprint requirements for the emergency generator, and determine if the existing facility can be used to house a new generator. We will also evaluate the best location for the switchboard, MCC, and the control panel.

We will address the City's comments, and prepare a final PDR. If desired by the City, we prepare exhibits and participate in community meetings to obtain acceptance from the residents and businesses.

We will utilize the approved PDR in developing the final plans, specifications, and estimates for the replacement facility.

We anticipate the following plan sheets:

1. Title Sheet
2. General Notes and Site Map
3. Pump Station Site Plan
4. Pump Station Piping Plan
5. Influent Sewer Plan and Profile
6. Force Main Plan and Profile
7. Structural Notes
8. Wet Well and Storage Facility Foundation Plan
9. Wet Well Top Floor Plan
10. Structural Sections
11. Structural Details I
12. Structural Details II
13. Mechanical Plan
14. Mechanical Section
15. Odor Control System
16. Mechanical Details I
17. Mechanical Details II, including bypass pumping
18. Electrical Symbols and Abbreviations
19. Single Line Diagram, MCC Elevation, and Panel Schedule
20. Electrical and Telemetry Site Plan
21. Conduit Plan and Schedule
22. Motor Control Diagram
23. Control Panel layouts

24. PLC Programming Diagram
25. Pump Station Digital and Analog I/O
26. Pump Station Digital Outputs and Alarm Inputs
27. Grounding System and Electrical Details
28. Process and Instrumentation Diagram
29. Geotechnical Boring Logs

We will prepare contract documents, including City provided front end documents, bid sheet, and technical specifications.

We will submit the plans, specifications, and cost estimates at the 60%, 90%, and 100% completion stages for review and comments by the City. We will address all comments and prepare the bid-ready documents.

We will base the construction cost estimates on recent similar projects, as well as vendor costs.

PROJECT MANAGEMENT

In undertaking its assignments, AKM employs an "Integrated Project Management" approach to deliver successful projects. The goal of the Integrated Project Management is to provide a technically superior product on schedule and within budget. Integrated Project Management commences with project identification, establishes a work program, and executes the project while providing continuous project quality improvements. In this approach, the project management and internal quality control are very important elements.

During project identification, the intent and purpose of the project are determined with extensive interaction with the **client**. Thereupon, a work plan is established and a resource loaded work breakdown structure and schedule are prepared. The schedule and work breakdown structure are integrated with the special needs of the project and the client.

The project is executed by the technical staff selected for each project based upon their experience and expertise. Quality Control function is carried out by a senior staff member not involved in the day to day execution of the project to provide independent checking of the project and address constructability and bidability issues.

The project is regularly reviewed by the Project Manager who reviews the work weekly for technical content, and monitors progress against the established work breakdown structure and schedule. Any technical difficulties, schedule slips or previously unforeseen conditions are immediately recognized, quantified and addressed. The status is reported to the client in regular project status reports. As a result, interactive, responsive and proactive project management is utilized.

Our Integrated Project Management is illustrated by the following process:

Project Identification

- Listen to Client/User
- Ascertain Project Needs
- Identify Problem/Constraints
- Review Schedule
- Review Budget
- Site Review
- Data Review
- Determine Expectations
- Determine Approval Process and Permitting Agencies
- Establish Scope of Technical Service

Work Program

- Establish Preliminary Work Plan and Schedule
- Establish Work Breakdown Structure (WBS)
- Resource Determination
- Review and Adjust the Work Plan and Schedule
- Establish Project Milestones

Technical Execution

- Project Execution
- Concept and Criteria Review by AKM Principal Engineer not directly involved with any day to day project details.
- Discipline check (Civil, Mechanical, Electrical, and Instrumentation)
- Internal Quality Control Review by QA/QC Team

Project Management

- Progress Reporting: Resource Balance & Tangible Evidence
- Comparison of Progress Reporting with WBS and Resource Loaded Schedule
- Resolution of Discrepancies
- Identification of Source(s)
- Identification of Impact(s)
- Development of Mitigation(s)
- Continuous Coordination
- QA/QC Completion

QUALITY CONTROL

A key element in the successful completion of a water, wastewater, or storm drain project is the implementation of a quality assurance/quality control program. Success is achieved through the efforts of qualified professionals effectively employing their skills and following a deliberate program of quality assurance to monitor and verify that the quality control plan is followed. For this project, AKM will utilize a project quality control plan that includes the following items:

- ✓ Review of project deliverables, regulatory agency requirements, and definition of procedures and required standards at project inception, and prior to milestone submittals.
- ✓ Description of specific quality control procedures to be followed in specific activities, including the level and frequency of review required.
- ✓ Identification of elements of the project requiring special quality control attention or emphasis.
- ✓ Identification of technical experts required for review and consultation.
- ✓ Estimate of resources required for quality control functions.
- ✓ Written documentation of project reviews to the QA/QC Files.

To effectively manage the entire team's work and ensure that all activities are coordinated, AKM will prepare and issue a project procedures protocol to all team personnel. The project procedures will cover communications, documentation, project files and other project specific procedures.

- ✓ Work Plan - AKM will develop a detailed work plan identifying all tasks, activities, reports and other documents to be produced, the required work-hours and the start and completion dates for each.
- ✓ Budget - Based on the work plan, a detailed budget will be developed covering labor and other expenses for each task group or work breakdown component. The budget will be time-phased to provide the base for financial control.
- ✓ Schedule - The schedule will be a time-phased critical path network showing the interdependencies between various activities and designating project performance milestones.

Sub-consultants – AKM's QA/QC plan will be furnished to each subconsultant. Sub-consultants will be required to conduct internal reviews consistent with the plan's requirements, and submit all required documentation to AKM. AKM will not accept submittals from its sub-consultants without this QA/QC review documentation. Further, all subconsultant submittals are reviewed by AKM's lead engineer and QA/QC officer for content, technical accuracy and consistency with the overall project concept.

SECTION 6 – COMPENSATION/PAYMENT SCHEDULE

AKM's proposed project staff hour is being submitted under separate envelope as requested in the RFP. Subconsultants rate schedules have also been included for your reference.

APPENDIX 2 – NON-COLLUSION AFFIDAVIT

The undersigned declares states and certifies that:

1. This Proposal is not made in the interest of, or on behalf of any undisclosed person, partnership, company, association, organization or corporation.
2. This Proposal is genuine and not collusive or sham.
3. I have not directly or indirectly induced or solicited any other Proposer to put in a false or sham proposal and I have not directly or indirectly colluded, conspired, connived, or agreed with any other Proposer or anyone else to put in sham proposal or to refrain from submitting to this RFP.
4. I have not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price or to fix any overhead, profit or cost element of the proposal price or to secure any advantage against the City of Manhattan Beach or of anyone interested in the proposed contract.
5. All statements contained in the Proposal and related documents are true.
6. I have not directly or indirectly submitted the proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay any fee to any person, corporation, partnership, company, association, organization, RFP depository, or to any member or agent thereof to effectuate a collusive or sham proposal.
7. I have not entered into any arrangement or agreement with any City of Manhattan Beach public officer in connection with this proposal.
8. I understand collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards.



Signature of Authorized Representative

Zeki Kayiran

Principal/President


Name of Authorized Representative

Title of Authorized Representative

APPENDIX 3 – CONSULTANT’S ACKNOWLEDGEMENT OF COMPLIANCE WITH INSURANCE REQUIREMENTS FOR AGREEMENT FOR PROFESSIONAL/CONSULTANT SERVICES

Consultant agrees, acknowledges and is fully aware of the insurance requirements as specified in the Request for Proposal and accepts all conditions and requirements as contained therein.

Consultant: AKM Consulting Engineers Name (Please Print or Type)

By:  Consultant's Signature

Date: 3-16-2015

This executed form must be submitted with Scope of Work proposal.

APPENDIX 4 - CERTIFICATION OF PROPOSAL

The undersigned hereby submits its proposal and agrees to be bound by the terms and conditions of this Request for Proposal (RFP) NO. 1030-15.

- 1) Proposer declares and warrants that no elected or appointed official, officer or employee of the City has been or shall be compensated, directly or indirectly, in connection with this proposal or any work connected with this proposal. Should any agreement be approved in connection with this Request for Proposal, Proposer declares and warrants that no elected or appointed official, officer or employee of the City, during the term of his/her service with the City shall have any direct interest in that agreement, or obtain any present, anticipated or future material benefit arising therefrom.
- 2) By submitting the response to this request, Proposer agrees, if selected to furnish services to the City in accordance with this RFP.
- 3) Proposer has carefully reviewed its proposal and understands and agrees that the City is not responsible for any errors or omissions on the part of the Proposer and that the Proposer is responsible for them.
- 4) It is understood and agreed that the City reserves the right to accept or reject any or all proposals and to waive any informality or irregularity in any proposal received by the City.
- 5) The proposal response includes all of the commentary, figures and data required by the Request for Proposal
- 6) The proposal shall be valid for 90 days from the date of submittal.

Name of Proposer: AKM Consulting Engineers

By:  (Authorized

Signature) Type Name: Zeki Kayiran

Title: Principal/President

Date: 3-16-2015

APPENDIX 6.2 - EXHIBIT 10-I NOTICE TO PROPOSERS DBE INFORMATION

The Agency has established a DBE goal for this Contract of _____⁴ %

OR

The Agency has not established a goal for this Contract. However, proposers are encouraged to obtain DBE participation for this contract.

TERMS AS USED IN THIS DOCUMENT

- The term “Disadvantaged Business Enterprise” or “DBE” means a for-profit small business concern owned and controlled by a socially and economically disadvantaged person(s) as defined in Title 49, Code of Federal Regulations (CFR), Part 26.5.
- The term “Agreement” also means “Contract.”
- Agency also means the local entity entering into this contract with the Contractor or Consultant.
- The term “Small Business” or “SB” is as defined in 49 CFR 26.65.

AUTHORITY AND RESPONSIBILITY

- A. DBEs and other small businesses are strongly encouraged to participate in the performance of Contracts financed in whole or in part with federal funds (See 49 CFR 26, “Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs”). The Consultant must ensure that DBEs and other small businesses have the opportunity to participate in the performance of the work that is the subject of this solicitation and should take all necessary and reasonable steps for this assurance. The proposer must not discriminate on the basis of race, color, national origin, or sex in the award and performance of subcontracts.
- B. Proposers are encouraged to use services offered by financial institutions owned and controlled by DBEs.

SUBMISSION OF DBE INFORMATION

If there is a DBE goal on the contract, Exhibit 10-O1 *Consultant Proposal DBE Commitment* must be included in the Request for Proposal. In order for a proposer to be considered responsible and responsive, the proposer must make good faith efforts to meet the goal established for the contract. If the goal is not met, the proposer must document adequate good faith efforts. All DBE participation will be counted towards the contract goal; therefore, all DBE participation shall be collected and reported.

Exhibit 10-O2 *Consultant Contract DBE Information* must be included with the Request for Proposal. Even if no DBE participation will be reported, the successful proposer must execute and return the form.

DBE PARTICIPATION GENERAL INFORMATION

It is the proposer’s responsibility to be fully informed regarding the requirements of 49 CFR, Part 26, and the Department’s DBE program developed pursuant to the regulations. Particular attention is directed to the following:

- A. A DBE must be a small business firm defined pursuant to 13 CFR 121 and be certified through the California Unified Certification Program (CUCP).

- B. A certified DBE may participate as a prime consultant, sub consultant, joint venture partner, as a vendor of material or supplies, or as a trucking company.
- C. A DBE proposer not proposing as a joint venture with a non-DBE, will be required to document one or a combination of the following:
 - 1. The proposer is a DBE and will meet the goal by performing work with its own forces.
 - 2. The proposer will meet the goal through work performed by DBE sub consultants, suppliers or trucking companies.
 - 3. The proposer, prior to proposing, made adequate good faith efforts to meet the goal.
- D. A DBE joint venture partner must be responsible for specific contract items of work or clearly defined portions thereof. Responsibility means actually performing, managing, and supervising the work with its own forces. The DBE joint venture partner must share in the capital contribution, control, management, risks and profits of the joint venture commensurate with its ownership interest.
- E. A DBE must perform a commercially useful function pursuant to 49 CFR 26.55, that is, a DBE firm must be responsible for the execution of a distinct element of the work and must carry out its responsibility by actually performing, managing and supervising the work.
- F. The proposer shall list only one sub consultant for each portion of work as defined in their proposal and all DBE sub consultants should be listed in the bid/cost proposal list of sub consultants.
- G. A prime consultant who is a certified DBE is eligible to claim all of the work in the Contract toward the DBE participation except that portion of the work to be performed by non-DBE sub consultants.

RESOURCES

- A. The CUCP database includes the certified DBEs from all certifying agencies participating in the CUCP. If you believe a firm is certified that cannot be located on the database, please contact the Caltrans Office of Certification toll free number 1-866-810-6346 for assistance.
- B. Access the CUCP database from the Department of Transportation, Office of Business and Economic Opportunity Web site at: <http://www.dot.ca.gov/hq/bep/>.
 - 1. Click on the link in the left menu titled *Disadvantaged Business Enterprise*;
 - 2. Click on Search for a DBE Firm link;
 - 3. Click on *Access to the DBE Query Form* located on the first line in the center of the page.

Searches can be performed by one or more criteria. Follow instructions on the screen.

Materials or supplies purchased from DBEs count towards the DBE goal under the following conditions:

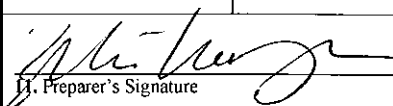
- A. If the materials or supplies are obtained from a DBE manufacturer, count 100 percent of the cost of the materials or supplies. A DBE manufacturer is a firm that operates or maintains a factory, or establishment that produces on the premises the materials, supplies, articles, or equipment required under the Contract and of the general character described by the specifications.
- B. If the materials or supplies purchased from a DBE regular dealer, count 60 percent of the cost of the materials or supplies. A DBE regular dealer is a firm that owns, operates or maintains a store, warehouse, or other establishment in which the materials, supplies, articles or equipment of the general character described by the specifications and required under the Contract are bought, kept in stock, and regularly sold or leased to the public in the usual course of business. To be a DBE regular dealer, the firm must be an established, regular business that engages, as its principal business and under its own name, in the purchase and sale or lease of the products in question. A person may be a DBE regular dealer in such bulk items as petroleum products, steel, cement, gravel, stone or asphalt without owning, operating or maintaining a place of business provided in this section.
- C. If the person both owns and operates distribution equipment for the products, any supplementing of regular dealers' own distribution equipment shall be, by a long-term lease agreement and not an ad hoc or Agreement-by-Agreement basis. Packagers, brokers, manufacturers' representatives, or other persons who arrange or expedite transactions are not DBE regular dealers within the meaning of this section.

- D. Materials or supplies purchased from a DBE, which is neither a manufacturer nor a regular dealer, will be limited to the entire amount of fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on the job site, provided the fees are reasonable and not excessive as compared with fees charged for similar services.

DBE SOQ FORM
EXHIBIT 10-01

APPENDIX 8 - EXHIBIT 10-01 CONSULTANT PROPOSAL DBE COMMITMENT

(Inclusive of all DBEs listed at bid proposal. Refer to instructions on the reverse side of this form)

Consultant to Complete this Section			
1. Local Agency Name: <u>City of Manhattan Beach</u>			
2. Project Location: <u>Manhattan Beach</u>			
3. Project Description: <u>On-Call Utility Consultant Services</u>			
4. Consultant Name: <u>AKM Consulting Engineers</u>			
5. Contract DBE Goal %: <u>4</u>			
DBE Commitment Information			
6. Description of Services to be Provided	7. DBE Firm Contact Information	8. DBE Cert. Number	9. DBE %
Surveying	Coast Surveying	CUCP2128	As required per project
Geotechnical	AESCO	CUCP35370	As required per project
Traffic Control	Traffic Control Engineering	CUCP 4850	As required per project
Local Agency to Complete this Section		10. Total % Claimed	4% Minimum %
16. Local Agency Contract Number: _____			
17. Federal-aid Project Number: _____			
18. Proposed Contract Execution Date: _____			
Local Agency certifies that all DBE certifications are valid and the information on this form is complete and accurate:		 11. Preparer's Signature	
19. Local Agency Representative Name (Print) _____		12. Preparer's Name (Print) <u>Zeki Kayiran</u>	
20. Local Agency Representative Signature _____		13. Preparer's Title <u>Principal/President</u>	
21. Date _____		14. Date <u>3-16-2015</u> <u>949-753-7333</u>	
22. Local Agency Representative Title _____		15. (Area Code) Tel. No. _____	
23. (Area Code) Tel. No. _____			

Distribution: (1) Original – Consultant submits to local agency with proposal (2) Copy – Local Agency files

INSTRUCTIONS - CONSULTANT PROPOSAL DBE COMMITMENT

Consultant Section

The Consultant shall:

1. **Local Agency Name** – Enter the name of the local or regional agency that is funding the contract.
2. **Project Location** - Enter the project location as it appears on the project advertisement.
3. **Project Description** - Enter the project description as it appears on the project advertisement (Bridge Rehab, Seismic Rehab, Overlay, Widening, etc.).
4. **Consultant Name** - Enter the consultant's firm name.
5. **Contract DBE Goal %** - Enter the contract DBE goal percentage, as it was reported on the Exhibit 10-1 *Notice to Proposers DBE Information* form. See LAPM Chapter 10.
6. **Description of Services to be Provided** - Enter item of work description of services to be provided. Indicate all work to be performed by DBEs including work performed by the prime consultant's own forces, if the prime is a DBE. If 100% of the item is not to be performed or furnished by the DBE, describe the exact portion to be performed or furnished by the DBE. See LAPM Chapter 9 to determine how to count the participation of DBE firms.
7. **DBE Firm Contact Information** - Enter the name and telephone number of all DBE subcontracted consultants. Also, enter the prime consultant's name and telephone number, if the prime is a DBE.
8. **DBE Cert. Number** - Enter the DBEs Certification Identification Number. All DBEs must be certified on the date bids are opened. (DBE subcontracted consultants should notify the prime consultant in writing with the date of the decertification if their status should change during the course of the contract.)
9. **DBE %** - Percent participation of work to be performed or service provided by a DBE. Include the prime consultant if the prime is a DBE. See LAPM Chapter 9 for how to count full/partial participation.
10. **Total % Claimed** – Enter the total DBE participation claimed. If the Total % Claimed is less than item "6. Contract DBE Goal", an adequately documented Good Faith Effort (GFE) is required (see Exhibit 15-H *DBE Information - Good Faith Efforts* of the LAPM).
11. **Preparer's Signature** – The person completing this section of the form for the consultant's firm must sign their name.
12. **Preparer's Name (Print)** – Clearly enter the name of the person signing this section of the form for the consultant.
13. **Preparer's Title** - Enter the position/title of the person signing this section of the form for the consultant.
14. **Date** - Enter the date this section of the form is signed by the preparer.
15. **(Area Code) Tel. No.** - Enter the area code and telephone number of the person signing this section of the form for the consultant.

Local Agency Section:

The Local Agency representative shall:

16. **Local Agency Contract Number** - Enter the Local Agency Contract Number.
17. **Federal-Aid Project Number** - Enter the Federal-Aid Project Number.
18. **Contract Execution Date** - Enter date the contract was executed and Notice to Proceed issued. See LAPM Chapter 10, page 23.
19. **Local Agency Representative Name (Print)** - Clearly enter the name of the person completing this section.
20. **Local Agency Representative Signature** - The person completing this section of the form for the Local Agency must sign their name to certify that the information in this and the Consultant Section of this form is complete and accurate.
21. **Date** - Enter the date the Local Agency Representative signs the form.
22. **Local Agency Representative Title** - Enter the position/title of the person signing this section of the form.
23. **(Area Code) Tel. No.** - Enter the area code and telephone number of the Local Agency representative signing this section of the form.

DBE SOQ FORM

EXHIBIT 10-K

APPENDIX 7 - EXHIBIT 10-K CONSULTANT CERTIFICATION OF CONTRACT COSTS AND FINANCIAL

MANAGEMENT SYSTEM

(Note: If requesting to utilize the Safe Harbor Indirect Cost Rate submit Attachment 1 of DLA-OB 13-07 - Safe Harbor Indirect Cost Rate for Consultant Contracts found at http://www.dot.ca.gov/hq/LocalPrograms/DLA_OB/DLA_OB.htm in lieu of this form.)

Certification of Final Indirect Costs:

Consultant Firm Name: AKM Consulting Engineers

Indirect Cost Rate: 23.87% * for fiscal period 12/31/2014 (mm/dd/yyyy to mm/dd/yyyy)

*Fiscal period covered for Indirect Cost Rate developed (not the contract period).

Local Government: _____

Contract Number: _____ Project Number: _____

I, the undersigned, certify that I have reviewed the proposal to establish final indirect cost rates for the fiscal period as specified above and to the best of my knowledge and belief:

1. All costs included in this proposal to establish final Indirect Cost Rates are allowable in accordance with the cost principles of the Federal Acquisition Regulations (FAR) of Title 48, Code of Federal Regulations (CFR), Part 31.
2. This proposal does not include any costs which are expressly unallowable under the cost principles of the FAR of 48 CFR, Part 31.

All known material transactions or events that have occurred affecting the firm's ownership, organization, and Indirect Cost Rates have been disclosed as of the date of proposal preparation noted above.

Certification of Financial Management System:

I, the undersigned, certify to the best of my knowledge and belief that our Financial Management System meets the standards for financial reporting, accounting records, internal and budget control as set forth in the FAR of Title 49, CFR, Part 18.20 to the extent applicable to Consultant.

Certification of Dollar Amount for all A&E Contracts:

I, the undersigned, certify that the approximate dollar amount of all A&E contracts awarded by Caltrans or a California local agency to this firm within the last three (3) calendar years for all State DOT and Local Agencies is \$_____ and the number of states in which the firm does business is ____¹_____.

Certification of Direct Costs:

I, the undersigned, certify to the best of my knowledge and belief that all direct costs identified on the cost proposal(s) in this contract are reasonable, allowable and allocable to the contract in accordance with the cost principles of the FAR of Title 48, CFR, Part 31. Allowable direct costs to a Government contract shall be:

1. Compliant with Generally Accepted Accounting Principles (GAAP) and standards promulgated by the Cost Accounting Standards Board (when applicable).
2. Compliant with the terms of the contract and is incurred specifically for the contract.
3. Not prohibited by 23 CFR, Chapter 1, Part 172 – Administration of Engineering and Design Related Service Contracts to the extent requirements are applicable to Consultant.

All costs must be applied consistently and fairly to all contracts. All documentation of compliance must be retained in the project files.

Subconsultants (if applicable)

Proposed Contract Amount (or amount not to exceed if on-call contract): \$ _____

Prime Consultants (if applicable)

Proposed **Total** Contract Amount (or amount not to exceed if on-call contract): \$ _____

Prime, list all subconsultants and proposed subcontract dollar amounts (attach additional page if necessary):

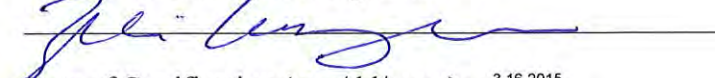
AESCO (Geotechnical)	\$ _____
Coast Surveying (Surveying)	\$ _____
Traffic Control Engineering (Traffic Control)	\$ _____
UltraSystems Environmental (Environmental)	\$ _____
Geoscience (AS-NEEDED; Geohydrology)	\$ _____

Consultant Certifying (Print Name and Title):

Name: Zeki Kayiran

Title: Principal/President

Consultant Certification Signature **:


Date of Certification (mm/dd/yyyy): 3-16-2015

Consultant Contact Information:

Email: zkayiran@akmce.com

Phone number: 949-753-7333

**** An individual executive or financial officer of the consultant's organization at a level no lower than a Vice President or Chief Financial Officer, or equivalent, who has authority to represent the financial information utilized to establish the Indirect Cost Rate proposal submitted in conjunction with the contract.**

Note: Per 23 U.S.C. 112(b)(2)(B), Subconsultants must comply with the FAR Cost Principles contained in 48 CFR, Part 31. 23 CFR Part 172.3 Definitions state: Consultant means the individual or firm providing engineering and design related services as a party to the contract. Therefore, subconsultants as parties of a contract must complete a certification and send originals to A&I and keep copies in Local Agency Project Files.

Distribution: 1) Original to Caltrans Audits and Investigations
2) Retained in Local Agency Project Files

DBE SOQ FORM
EXHIBIT 10-Q

APPENDIX 9 - EXHIBIT 10-Q DISCLOSURE OF LOBBYING ACTIVITIES

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

<p>1. Type of Federal Action:</p> <p><input checked="" type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance</p>	<p>2. Status of Federal Action:</p> <p><input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award</p>	<p>3. Report Type:</p> <p><input checked="" type="checkbox"/> a. initial <input type="checkbox"/> b. material change</p> <p>For Material Change Only: year _____ quarter _____ date of last report _____</p>
<p>4. Name and Address of Reporting Entity</p> <p><input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known</p> <p>Congressional District, if known _____</p>	<p>5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</p> <p>Congressional District, if known _____</p>	
<p>6. Federal Department/Agency:</p> <p>City of Manhattan Beach</p>	<p>7. Federal Program Name/Description:</p> <p>CFDA Number, if applicable _____</p>	
<p>8. Federal Action Number, if known:</p>	<p>9. Award Amount, if known:</p>	
<p>10. Name and Address of Lobby Entity (If individual, last name, first name, MI)</p>	<p>11. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI)</p>	
<p>(attach Continuation Sheet(s) if necessary)</p>		
<p>12. Amount of Payment (check all that apply)</p> <p>\$ _____ <input type="checkbox"/> actual <input type="checkbox"/> planned</p>	<p>14. Type of Payment (check all that apply)</p> <p><input type="checkbox"/> a. retainer <input type="checkbox"/> b. one-time fee <input type="checkbox"/> c. commission <input type="checkbox"/> d. contingent fee <input type="checkbox"/> e. deferred <input type="checkbox"/> f. other, specify _____</p>	
<p>13. Form of Payment (check all that apply):</p> <p><input type="checkbox"/> a. cash <input type="checkbox"/> b. in-kind; specify: nature _____ Value _____</p>		
<p>15. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 11: On-Call Utility Design Services AKM Consulting Engineers (PRIME)</p> <p>(attach Continuation Sheet(s) if necessary)</p>		
<p>16. Continuation Sheet(s) attached: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>		
<p>17. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</p>		
		<p>Signature: <u><i>Zeki Kayiran</i></u></p> <p>Print Name: <u>Zeki Kayiran</u></p> <p>Title: <u>Principal/President</u></p> <p>Telephone No.: <u>949-753-7333</u> Date: <u>3-16-2015</u></p>
<p>Authorized for Local Reproduction</p> <p>Standard Form - LLL</p>		
<p>Federal Use Only:</p>		

INSTRUCTIONS FOR COMPLETING EXHIBIT 10-Q DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime federal recipient at the initiation or receipt of covered federal action or a material change to previous filing pursuant to title 31 U.S.C. Section 1352. The filing of a form is required for such payment or agreement to make payment to lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress an officer or employee of Congress or an employee of a Member of Congress in connection with a covered federal action. Attach a continuation sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered federal action for which lobbying activity is or has been secured to influence, the outcome of a covered federal action.
2. Identify the status of the covered federal action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered federal action.
4. Enter the full name, address, city, state, and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the first tier. Subawards include but are not limited to: subcontracts, subgrants, and contract awards under grants.
5. If the organization filing the report in Item 4 checks "Subawardee" then enter the full name, address, city, state, and zip code of the prime federal recipient. Include Congressional District, if known.
6. Enter the name of the federal agency making the award or loan commitment. Include at least one organization level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the federal program name or description for the covered federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.
8. Enter the most appropriate federal identifying number available for the federal action identification in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract grant. or loan award number, the application/proposal control number assigned by the federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered federal action where there has been an award or loan commitment by the Federal agency, enter the federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.
10. Enter the full name, address, city, state, and zip code of the lobbying entity engaged by the reporting entity identified in Item 4 to influence the covered federal action.
11. Enter the full names of the individual(s) performing services and include full address if different from 10 (a). Enter Last Name, First Name and Middle Initial (MI).
12. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (Item 4) to the lobbying entity (Item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
13. Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
14. Check all boxes that apply. If other, specify nature.
15. Provide a specific and detailed description of the services that the lobbyist has performed or will be expected to perform and the date(s) of any services rendered. Include all preparatory and related activity not just time spent in actual contact with federal officials. Identify the federal officer(s) or employee(s) contacted or the officer(s) employee(s) or Member(s) of Congress that were contacted.
16. Check whether or not a continuation sheet(s) is attached.
17. The certifying official shall sign and date the form, and print his/her name title and telephone number.

Public reporting burden for this collection of information is estimated to average 30-minutes per response, including time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503. SF-LLL-Instructions Rev. 06-04

APPENDIX 9.1 - EXHIBIT 15-H DBE INFORMATION —GOOD FAITH EFFORTS

DBE Information - Good Faith Efforts

Federal-aid Project No. Manhattan Beach On-Call Utility Design Services Bid Opening Date 2-20-2015

The _____ (City/County of) _____ established a Disadvantaged Business Enterprise (DBE) goal of 4 % for this project. The information provided herein shows that a good faith effort was made.

Lowest, second lowest and third lowest bidders shall submit the following information to document adequate good faith efforts. Bidders should submit the following information even if the “Local Agency Bidder DBE Commitment” form indicates that the bidder has met the DBE goal. This will protect the bidder’s eligibility for award of the contract if the administering agency determines that the bidder failed to meet the goal for various reasons, e.g., a DBE firm was not certified at bid opening, or the bidder made a mathematical error.

Submittal of only the “Local Agency Bidder DBE Commitment” form may not provide sufficient documentation to demonstrate that adequate good faith efforts were made.

The following items are listed in the Section entitled “Submission of DBE Commitment” of the Special Provisions:

- A. The names and dates of each publication in which a request for DBE participation for this project was placed by the bidder (please attach copies of advertisements or proofs of publication):

Publications	Dates of Advertisement
Compliance News Monthly Trade Journal	3-6-15
Compliance News Daily Focus Journal	3-6-15

- B. The names and dates of written notices sent to certified DBEs soliciting bids for this project and the dates and methods used for following up initial solicitations to determine with certainty whether the DBEs were interested (please attach copies of solicitations, telephone records, fax confirmations, etc.):

Names of DBEs Solicited	Date of Initial Solicitation	Follow Up Methods and Dates
Aesco (Geotechnical Services)	3-6-15	Email 3-11-15

Geo-Environmental (Environmental)	3-6-15	Email 3-11-15
Environmental Cost Management (Env.)	3-6-15	Email 3-11-15
Bonterra (Env)	3-6-15	No follow-up due to the merge of the company with Psomas, a competitor of AKM
Coast Surveying (Survey)	3-6-15	Email 3-11-15
Diaz Yourman (Geotechnical)	3-6-15	Email 3-11-15
CLR Analytic (Traffic Control)	3-6-15	Email and Phone call 3-11-15

C. The items of work which the bidder made available to DBE firms including, where appropriate, any breaking down of the contract work items (including those items normally performed by the bidder with its own forces) into economically feasible units to facilitate DBE participation. It is the bidder's responsibility to demonstrate that sufficient work to facilitate DBE participation was made available to DBE firms.

Items of Work	Bidder Normally Performs Item (Y/N)	Breakdown of Items	Amount (\$)	Percentage Of Contract
Geotechnical Services	No	Geotechnical Investigation		
Environmental	No	Environmental (CEQA/NEPA)		
Surveying	No	Surveying/Aerial		
Traffic Control	No	Traffic Control		

D. The names, addresses and phone numbers of rejected DBE firms, the reasons for the bidder's rejection of the DBEs, the firms selected for that work (please attach copies of quotes from the firms involved), and the price difference for each DBE if the selected firm is not a DBE:

Names, addresses and phone numbers of rejected DBEs and the reasons for the bidder's rejection of the DBEs:

Bonterra - 2 Executive Citicle Suite 175, Irvine, CA 92614 (949) 444-9199 (Company is now owned by a major competitor)

Geo-Environmental - 2691 Richter Avenue Suite 127, Irvine, CA 92606 (949) 263-8334 (Declined invitation)

Environmental Cost Management - 3525 Hyland Avenue Suite 200, Costa Mesa, CA 92626 (No response)

Diaz Yourman - 1616 East 17th Street, Santa Ana, CA 92705 (714) 245-2920 (Declined Invitation)

Asset Laboratories - 11060 Artesia Blvd., Suite C, Cerritos, CA 90703 (562) 219-7435 (Approached AKM, not chosen for environmental services because they do not provide CEQA/NEPA only testing services)

CLR Analytics - 4000 Barranca Parkway Suite 250, Irvine, CA 92604 (After phone discussions, failed to provide documents requested)

Names, addresses and phone numbers of firms selected for the work above:

Aesco - 17782 Georgetown Lane, Huntington beach, CA 92647 (714) 375-3830 (Geotechnical)

Coast Surveying - 15031 Parkway Loop Suite B, Tustin, CA 92780 (714) 918-6266 (Surveying)

Traffic Control Engineering - 2687 Saturn Street, Brea, CA 92821 (714) 447-6077 (Traffic Control)

E. Efforts made to assist interested DBEs in obtaining bonding, lines of credit or insurance, and any technical assistance or information related to the plans, specifications and requirements for the work which was provided to DBEs:

Posted in advertisement that AKM will help subs obtain bonding, lines of credit/insurance, information regarding the projects

Will provide as requested by subs

F. Efforts made to assist interested DBEs in obtaining necessary equipment, supplies, materials or related assistance or services, excluding supplies and equipment the DBE subcontractor purchases or leases from the prime contractor or its affiliate:

Posted in advertisement that AKM will help subs obtain equipment, supplies, materials, etc...

Will provide as requested by subs

G. The names of agencies, organizations or groups contacted to provide assistance in contacting, recruiting and using DBE firms (please attach copies of requests to agencies and any responses received, i.e., lists, Internet page download, etc.):

Name of Agency/Organization	Method/Date of Contact	Results
Compliance News	3-6-15	7

H. Any additional data to support a demonstration of good faith efforts (use additional sheets if necessary):

NOTE: USE ADDITIONAL SHEETS OF PAPER IF NECESSARY.

ADVERTISEMENT

From: Compliance News Publishing Company

<http://www.compliancencenews.com>

info@compliancencenews.com

Tel: 562-439-2788 Fax: 562-439-1398

11 S. Termino, Suite 214, Long Beach, CA 90803

TO: AKM Consulting Engineers

553 Wald

Irvine, CA, 92618

Phone: (949) 753-7333

Fax: (949) 753-7320

RECEIPT for Ad: 54172

Published on 03/06/2015

For Project:

City of Manhattan Beach

Total Amount PAID: \$75.00

Compliance News Monthly Trade Journal
Publication Affidavit-Declaration of Publication -- State of California

<p>AKM Consulting Engineers is seeking certified and qualified DBE subs and/or suppliers to provide Environmental Services, Surveying, Geotechnical, and Traffic Control for City of Manhattan Beach in Manhattan Beach,CA</p> <p>AKM Consulting Engineers is requesting qualifications from certified DBE firms interested in providing geotechnical, surveying, environmental, and traffic control services for On-Call Utility Design Services for the City of Manhattan Beach. Interested firms may respond by submitting your letter of interest, certifications, firm profile, resumes (with number of years at current firm and number of years experience), and relevant project experience with references to AKM Consulting Engineers, ATTN: Katie Neubauer at kneubauer@akmce.com. Interested parties must respond by March 11, 2015. Upon request, AKM will assist in providing information regarding the consultant's procurement of bonds, lines of credit, equipment, and/or insurance. This RFP shall not obligate AKM to either contract with, or reimburse costs to, respond hereto.</p>	<p>Contact: Katie Neubauer 553 Wald Irvine,CA,92618 Phone:(949) 753-7333 Fax:(949) 753-7320 Email:kneubauer@akmce.com</p> <p>Bid Due on:03/16/2015 at 03:00 PM Solicitation Number: RFP #1030-15</p>
---	---

The AKM Consulting Engineers Good Faith Effort ad has been published in both the Compliance News Internet and Hard-Copy publications.
Located Online at: http://www.compliancenews.com/classified_monthly

The undersigned declares:

I am over the age of 18 years and a citizen of the United States. I am the principal publisher of the Compliance News Monthly Trade Journal in the City of Long Beach, County of Los Angeles, and the State of California. The notice, a true copy of which is attached was published on Fri Mar 06 20:47:01 +0000 2015

I declare under penalty of perjury that the foregoing is true and correct. Executed at Long Beach, California

Henry Sprague III

Copyright 2005 Compliance News DVBE #0018455 All Rights Reserved

Compliance News Daily Focus Journal

Publication Affidavit-Declaration of Publication -- State of California

<p>AKM Consulting Engineers is seeking certified and qualified DBE subs and/or suppliers to provide Environmental Services, Surveying, Geotechnical, and Traffic Control for City of Manhattan Beach in Manhattan Beach,CA</p> <p>AKM Consulting Engineers is requesting qualifications from certified DBE firms interested in providing geotechnical, surveying, environmental, and traffic control services for On-Call Utility Design Services for the City of Manhattan Beach. Interested firms may respond by submitting your letter of interest, certifications, firm profile, resumes (with number of years at current firm and number of years experience), and relevant project experience with references to AKM Consulting Engineers, ATTN: Katie Neubauer at kneubauer@akmce.com. Interested parties must respond by March 11, 2015. Upon request, AKM will assist in providing information regarding the consultant's procurement of bonds, lines of credit, equipment, and/or insurance. This RFP shall not obligate AKM to either contract with, or reimburse costs to, respond hereto.</p>	<p>Contact: Katie Neubauer 553 Wald Irvine,CA,92618 Phone:(949) 753-7333 Fax:(949) 753-7320 Email:kneubauer@akmce.com</p> <p>Bid Due on:03/16/2015 at 03:00 PM Solicitation Number: RFP #1030-15</p>
---	---

The AKM Consulting Engineers Good Faith Effort ad has been published in both the Compliance News Internet and Hard-Copy publications.

Located Online at: http://www.compliancencenews.com/classified_daily

The undersigned declares:

I am over the age of 18 years and a citizen of the United States. I am the principal publisher of the Compliance News Monthly Trade Journal in the City of Long Beach, County of Los Angeles, and the State of California. The notice, a true copy of which is attached was published on Fri Mar 06 20:47:01 +0000 2015

I declare under penalty of perjury that the foregoing is true and correct. Executed at Long Beach, California

Henry Sprague III

Copyright 2005 Compliance News DVBE #0018455 All Rights Reserved

AKM Consulting Engineers LOG

Good Faith Effort for Bid Solicitation RFP #1030-15
Project: City of Manhattan Beach

Important Instructions

NOTE: If your bid-package includes form STD-840, you MUST write "See attached Log sections A, B, & C" on STD-840 and include STD-840 with your GFE documents.

- 1.) Read and complete Section A.
- 2.) We have completed Section B for you.
- 3.) Complete Section C by making follow-up phone calls to the firms listed below.
->For DVBE firms, call at least 3 firms. ->For DBE, MBE, & WBE firms, call all of them.

As of June 1, 2010 Caltrans now requires primes that do not meet their UDBE & DBE goal to do the following:

1.
 - A. Go to the CalTrans project calendar webpage at <http://dap1.dot.ca.gov/hq/esc/oe/calendar> and log-in using your bid package registration and password.
 - B. Hit on the project number your bidding.
 - C. Hit "See Opt-in records".
 - D. Print this page. You must now contact these Opt-in DBE's as part of your search for participation.
2. Now hit your browser back-button and hit "Primes: Advertise for help" Be sure your listed in the CalTrans "Primes Seeking Assistance".

As of Sept. 2010, Caltrans suggests the following further steps to support Good Faith Effort (GFE).

1. Attend networking opportunity events at mandatory Caltrans pre-bids & district meetings. Include with your GFE, information that you attended the meeting along with the event brochure.
2. As you reach the bid opening date, ask yourself how likely you are to meeting the goal. If its apparent you may not, then do another GFE. This should be done 5 days of bid opening.

A. Awarding Department Contact Instructions

Many California Good-Faith Efforts may require the bidding contractor to CALL the awarding department or owner and talk with their Good-Faith representative. SEE YOUR CONTRACT DOCUMENTS FOR THIS TELEPHONE NO. Call it and record the result below.

Awarding Department Contact Action

AKM Consulting Engineers contacted the awarding department issuing this contract at (tel number) _____ at (time) _____ on (date) _____ and discussed Good-Faith Effort with (Awarding Department Contact) _____.
Remarks:(left message, etc.) _____
Phone call was made by (Prime Rep's do _signature) _____.

B. Federal, State, & Local Agencies Contacted

On 03/06/15, AKM Consulting Engineers contacted:

1. Federal Agency: Central Contractor Registration (CCR) / PRO-Net at <http://www.bpn.gov/CCRSearch/Search.aspx> at 08:47PM on 03/06/2015
2. State Agency: Office of Small Business & DVBE Certification (OSDC) <http://www.pd.dgs.ca.gov/smbus> at 08:47PM on 03/06/2015
3. California Unified Certification Program (CUCP) at <http://www.dot.ca.gov/ucp/GetLicenseForm.do> at 08:47PM on 03/06/2015
4. Local referral organization: DBE/DVBE Resource Center (www.dvbe.net) at 08:47PM on 03/06/2015

See Next Page for Firms

C. Summary of Firms Sent Bid Invitations

7 total firms were sent invitations.

Company Name: Aesco, Inc

Address: 17782 Georgetown Lane
Huntington Beach, CA, 92647

Phone: (714) 375-3830, **Fax:** (714) 375-3831

Work Categories:

Drug Testing, Geotechnical, Environmental Engineering, Material Testing And Inspectin Services 411138 -
Geophysical And Geotechnical Instruments 771018 - Environmental Auditing, 541380, Testing Laboratories,
Laboratory Testing And Analysis 411138 - Geophy

Phone Solicitation Information

Date/s-Time/s Solicited by Phone: _____

Person Contacted and Commments for Solicitation: RFP #1030-15 City of Manhattan Beach

Follow up email to Russ Scharlin on 3/11

Interested via email 3/12

Company Name: Geo Environmental, Inc.

Address: 2691 Richter Avenue, Suite 127
Irvine, CA, 92606

Phone: (949) 263-8334, **Fax:** (949) 263-8338

Work Categories:

Engineering, Geotechnical And Environmental Engineering Services 811015 - Civil Engineering,
Geophysicist, 541330, Engineering - Geotechnical, Consultant, Engineering, Engineering - Seismic

Phone Solicitation Information

Date/s-Time/s Solicited by Phone: _____

Person Contacted and Commments for Solicitation: RFP #1030-15 City of Manhattan Beach

- email to fsiddiqi@geo-environmental.com

- declined - wants to team for 2009-2010

Company Name: Environmental Cost Management, Inc

Address: 3525 Hyland Ave., Suite 200
Costa Mesa, CA, 92626

Phone: (714) 662-2757, **Fax:** (714) 662-2758

Work Categories:

Geophysics, Environmental Remediation Exit Strategies Consulting & Compliance Design & Planning Of Soil
And Groundwater Remediation Systems Operation And Maintenance Of Remediation Systems Environmental
Site Assessments/investigations Engineering Service

Phone Solicitation Information

Date/s-Time/s Solicited by Phone: _____

Person Contacted and Commments for Solicitation: RFP #1030-15 City of Manhattan Beach

email sent 3/11

Company Name: BONTERRA CONSULTING LLC

Address: 2 Executive Circle, Suite 175
IRVINE, CA, 92614

Phone: (714) 444-9199, **Fax:** (714) 444-9599

Work Categories:

Ceqa Nepa Environmental Impact Reports Environmental Impact Studies Mitigated Negative Declarations
Categorical Exemptions Negative Declarations Environmental Planning Project Management Natural
Resources Management Biological Resources Special Status Spe

Phone Solicitation Information

Date/s-Time/s Solicited by Phone: _____

Person Contacted and Comments for Solicitation: RFP #1030-15 City of Manhattan Beach

- Has joined companies w/ Psonas

Company Name: Coast Surveying, Inc

Address: 15031 Parkway Loop, Suite B

Tustin, CA, 92780

Phone: (714) 918-6266, **Fax:** (714) 918-6277

Work Categories:

Construction Staking, Surveying Services Land Surveying Aerial Mapping Mapping 811015 - Civil
Engineering, Land Surveyor, 541370, Surveying And Mapping (except Geophysical) Services, Construction
Staking Supplier, Surveying Services Land Surveying Aerial

Phone Solicitation Information

Date/s-Time/s Solicited by Phone: _____

Person Contacted and Comments for Solicitation: RFP #1030-15 City of Manhattan Beach

email sent to Rick 3/11

Company Name: DIAZ YOURMAN & ASSOCIATES

Address: 1616 EAST 17TH ST

SANTA ANA, CA, 92705

Phone: (714) 245-2920, **Fax:** (714) 245-2950

Work Categories:

Engineering Services, Geotechnical Engineering Services 811015 - Civil Engineering, Market Research &
Focus Groups, 541330, Construction Engineering & Inspection Services, Engineering - Value, Engineering -
Geotechnical, Consultant, Environmental, Material

Phone Solicitation Information

Date/s-Time/s Solicited by Phone: _____

Person Contacted and Comments for Solicitation: RFP #1030-15 City of Manhattan Beach

follow up email sent to Chris Diaz 3/11/15

declined

Company Name: Clr Analytics, Inc

Address: 4000 Barranca Pkwy., Suite 250

Irvine, CA, 92604

Phone: (949) 705-8566, **Fax:** (949) 262-3264

Work Categories:

Consultant, Traffic Control Operation Management Metering Transportation Engineering Planning Travel
Demand Forecasting Simulation Modeling Paramics Vissim Transmodeller Transcad Advanced Sensors Plugin
Development Training Smartphone Smart-signal Vehicle

Phone Solicitation Information

Date/s-Time/s Solicited by Phone: _____

Person Contacted and Comments for Solicitation: RFP #1030-15 City of Manhattan Beach

follow-up email sent 3/11

Affidavit of Fax Solicitation

The undersigned employee of Compliance News Publishing, located in the City of Long Beach, County of Los Angeles, and the State of California, declares that bid solicitation letters have been faxed to the following 7 firms listed below at 08:47PM on 03/06/2015. I am over the age of 18 years and a citizen of the United States. I declare under penalty of perjury that the foregoing is true and correct. Executed at Long Beach, California.

Henry Sprague III

AKM Consulting Engineers

553 Wald
Irvine, CA 92618
Telephone: (949) 753-7333
Fax: (949) 753-7320

INVITATION TO BID

March 06, 2015
Aesco, Inc
17782 Georgetown Lane
Huntington Beach, CA, 92647

We are seeking certified and qualified **DBE** subcontractors and/or suppliers for:

Project: City of Manhattan Beach
Location: Manhattan Beach, CA
Bid Due Date: 03/16/15 at 03:00 PM PST
Solicitation Number: RFP #1030-15
Contact: Katie Neubauer

Quotes are needed for:
Environmental Services, Surveying, Geotechnical, and Traffic Control.

Subcontractors will be required to enter into our standard contract. No modifications to the contract are permitted.

RFP will be emailed to you upon request. If you have any questions please do not hesitate to contact us.

Participation Response Form

- We can participate in this contract
TYPE OF SERVICE OR SUPPLIES: _____
- We cannot participate in the contract

Print Name of Business Owner

Signature

Date: _____

Please fax return this form by Mar 16, 2015
with a copy of your certification to Katie Neubauer at (949) 753-7320

AKM Consulting Engineers

553 Wald
Irvine, CA 92618
Telephone: (949) 753-7333
Fax: (949) 753-7320

INVITATION TO BID

March 06, 2015
Geo Environmental, Inc.
2691 Richter Avenue, Suite 127
Irvine, CA, 92606

We are seeking certified and qualified **DBE** subcontractors and/or suppliers for:

Project: City of Manhattan Beach
Location: Manhattan Beach, CA
Bid Due Date: 03/16/15 at 03:00 PM PST
Solicitation Number: RFP #1030-15
Contact: Katie Neubauer

Quotes are needed for:
Environmental Services, Surveying, Geotechnical, and Traffic Control.

Subcontractors will be required to enter into our standard contract. No modifications to the contract are permitted.

RFP will be emailed to you upon request. If you have any questions please do not hesitate to contact us.

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TYPE OF SERVICE OR SUPPLIES: _____
- We cannot participate in the contract

Print Name of Business Owner Signature

Date: _____

Please fax return this form by Mar 16, 2015
with a copy of your certification to Katie Neubauer at (949) 753-7320

AKM Consulting Engineers

553 Wald
Irvine,CA 92618
Telephone: (949) 753-7333
Fax: (949) 753-7320

INVITATION TO BID

March 06, 2015
Environmental Cost Management, Inc
3525 Hyland Ave., Suite 200
Costa Mesa,CA,92626

We are seeking certified and qualified **DBE** subcontractors and/or suppliers for:

Project: City of Manhattan Beach
Location: Manhattan Beach,CA
Bid Due Date: 03/16/15 at 03:00 PM PST
Solicitation Number: RFP #1030-15
Contact: Katie Neubauer

Quotes are needed for:
Environmental Services, Surveying, Geotechnical, and Traffic Control.

Subcontractors will be required to enter into our standard contract. No modifications to the contract are permitted.

RFP will be emailed to you upon request. If you have any questions please do not hesitate to contact us.

Participation Response Form

- We can participate in this contract
TYPE OF SERVICE OR SUPPLIES: _____
- We cannot participate in the contract

Print Name of Business Owner

Signature

Date: _____

Please fax return this form by Mar 16, 2015
with a copy of your certification to Katie Neubauer at (949) 753-7320

AKM Consulting Engineers

553 Wald

Irvine, CA 92618

Telephone: (949) 753-7333

Fax: (949) 753-7320

INVITATION TO BID

March 06, 2015

BONTERRA CONSULTING LLC

2 Executive Circle, Suite 175

IRVINE, CA, 92614

We are seeking certified and qualified **DBE** subcontractors and/or suppliers for:

Project: City of Manhattan Beach

Location: Manhattan Beach, CA

Bid Due Date: 03/16/15 at 03:00 PM PST

Solicitation Number: RFP #1030-15

Contact: Katie Neubauer

Quotes are needed for:

Environmental Services, Surveying, Geotechnical, and Traffic Control.

Subcontractors will be required to enter into our standard contract. No modifications to the contract are permitted.

RFP will be emailed to you upon request. If you have any questions please do not hesitate to contact us.

Participation Response Form

We can participate in this contract

TYPE OF SERVICE OR SUPPLIES: _____

We cannot participate in the contract

Print Name of Business Owner

Signature

Date: _____

Please fax return this form by Mar 16, 2015
with a copy of your certification to Katie Neubauer at (949) 753-7320

AKM Consulting Engineers

553 Wald

Irvine, CA 92618

Telephone: (949) 753-7333

Fax: (949) 753-7320

INVITATION TO BID

March 06, 2015

Coast Surveying, Inc

15031 Parkway Loop, Suite B

Tustin, CA, 92780

We are seeking certified and qualified **DBE** subcontractors and/or suppliers for:

Project: City of Manhattan Beach

Location: Manhattan Beach, CA

Bid Due Date: 03/16/15 at 03:00 PM PST

Solicitation Number: RFP #1030-15

Contact: Katie Neubauer

Quotes are needed for:

Environmental Services, Surveying, Geotechnical, and Traffic Control.

Subcontractors will be required to enter into our standard contract. No modifications to the contract are permitted.

RFP will be emailed to you upon request. If you have any questions please do not hesitate to contact us.

Participation Response Form

We can participate in this contract

TYPE OF SERVICE OR SUPPLIES: _____

We cannot participate in the contract

Print Name of Business Owner

Signature

Date: _____

Please fax return this form by Mar 16, 2015
with a copy of your certification to Katie Neubauer at (949) 753-7320

AKM Consulting Engineers

553 Wald
Irvine,CA 92618
Telephone: (949) 753-7333
Fax: (949) 753-7320

INVITATION TO BID

March 06, 2015
DIAZ YOURMAN & ASSOCIATES
1616 EAST 17TH ST
SANTA ANA,CA,92705

We are seeking certified and qualified **DBE** subcontractors and/or suppliers for:

Project: City of Manhattan Beach
Location: Manhattan Beach,CA
Bid Due Date: 03/16/15 at 03:00 PM PST
Solicitation Number: RFP #1030-15
Contact: Katie Neubauer

Quotes are needed for:
Environmental Services, Surveying, Geotechnical, and Traffic Control.

Subcontractors will be required to enter into our standard contract. No modifications to the contract are permitted.

RFP will be emailed to you upon request. If you have any questions please do not hesitate to contact us.

Participation Response Form

- We can participate in this contract
TYPE OF SERVICE OR SUPPLIES: _____
- We cannot participate in the contract

Print Name of Business Owner

Signature

Date: _____

Please fax return this form by Mar 16, 2015
with a copy of your certification to Katie Neubauer at (949) 753-7320

AKM Consulting Engineers

553 Wald

Irvine, CA 92618

Telephone: (949) 753-7333

Fax: (949) 753-7320

INVITATION TO BID

March 06, 2015

Clr Analytics, Inc

4000 Barranca Pkwy., Suite 250

Irvine, CA, 92604

We are seeking certified and qualified **DBE** subcontractors and/or suppliers for:

Project: City of Manhattan Beach

Location: Manhattan Beach, CA

Bid Due Date: 03/16/15 at 03:00 PM PST

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Print Name of Business Owner

Signature

Date: _____

Please fax return this form by Mar 16, 2015
with a copy of your certification to Katie Neubauer at (949) 753-7320

DBE SEARCH

[Back To Query Form](#)**Search Returned 9 Records**

Wed Mar 11 16:40:19 PDT 2015

Query Criteria

Zip Code: 92618

County: ORANGE

Work Codes: C8703 TRAFFIC ENGINEER C8710 ENGINEERING C8713 CONSULTANT,
ENVIRONMENTAL C8722 ENVIRONMENTAL ENGINEER C8760 LAND SURVEYOR C8780

Engineering - Geotechnical

Firm Type: DBE

Firm ID	31061
Firm/DBA Name	ADVANCED EARTH SCIENCES, INC.
Address Line1	9307 RESEARCH DRIVE
Address Line2	
City	IRVINE
State	CA
Zip Code1	92618
Zip Code2	
Mailing Address Line1	
Mailing Address Line2	
Mailing City	
Mailing State	
Mailing Zip Code1	
Mailing Zip Code2	
Certification Type	DBE
E Mail	kkhilnani@aesciences.com
Contact Name	KISHIN KHILNANI
Area Code	(949)
Phone Number	379-2450
Fax Area Code	(949)
Fax Phone Number	379-2470
Agency Name	DEPARTMENT OF TRANSPORTATION
Counties	13; 19; 30; 33; 36; 37; 42; 56;
Districts	05; 07; 08; 11; 12;
DBE NAICS	541330; 541620;

ACDBE NAICS

Work Codes	C8703 TRAFFIC ENGINEER; C8707 FEASIBILITY STUDIES; C8716 ARCHITECTURAL ENGINEER; C8720 CIVIL ENGINEERING; C8721 RIGHT OF WAY ENGINEER; C8730 SAFETY STUDIES; C8742 MECHANICAL ENGINEERS;
Licenses	EC Civil Engineer; EGT Geotechnical Engineer;
Trucks	
Gender	M
Ethnicity	ASIAN SUBCONTINENT
Firm Type	DBE

Firm ID	36953
Firm/DBA Name	CIVILSOURCE, INC.
Address Line1	9930 RESEARCH DR. #200
Address Line2	
City	IRVINE
State	CA
Zip Code1	92618
Zip Code2	
Mailing Address Line1	
Mailing Address Line2	
Mailing City	
Mailing State	

Mailing Zip Code1
Mailing Zip Code2
Certification Type DBE
EMail aamirani@civil-source.com
Contact Name AMY AMIRANI
Area Code (949)
Phone Number 585-0477
Fax Area Code (949)
Fax Phone Number 585-0433
Agency Name LOS ANGELES COUNTY METRO TRANSPORTATION AUTHORITY (MTA)
Counties 19; 27; 30; 33; 34; 36; 37; 38; 42; 43; 56;
Districts 03; 04; 05; 07; 08; 11; 12;
DBE NAICS 541330; 541340; 541350; 541611; 541618; 541990;

ACDBE NAICS

Work Codes C8705 DESIGN; C8710 ENGINEERING; C8715 CONSULTANT, ENGINEERING; C8765 DRAFTING; C8770 CONSTRUCTION MANAGEMENT; C9826 LAND SURVEYING; I7340 SERVICES TO BUILDINGS;
Licenses EC Civil Engineer;
Trucks
Gender F
Ethnicity OTHER
Firm Type DBE

Firm ID 30433
Firm/DBA Name DDB ENGINEERING, INC.
Address Line1 15635 ALTON PARKWAY, SUITE 117
Address Line2
City IRVINE
State CA
Zip Code1 92618
Zip Code2
Mailing Address Line1
Mailing Address Line2
Mailing City
Mailing State
Mailing Zip Code1
Mailing Zip Code2
Certification Type DBE
EMail dbumis@ddbce.com
Contact Name DEBRA L. BURRIS
Area Code (949)
Phone Number 727-4008
Fax Area Code (949)
Fax Phone Number 727-4079
Agency Name DEPARTMENT OF TRANSPORTATION
Counties 00;
Districts 00;
DBE NAICS 541330;

ACDBE NAICS

Work Codes C8703 TRAFFIC ENGINEER; C8707 FEASIBILITY STUDIES; C8720 CIVIL ENGINEERING; C8730 SAFETY STUDIES;
Licenses EC Civil Engineer;
Trucks
Gender F
Ethnicity CAUCASIAN
Firm Type DBE

Firm ID 30715
Firm/DBA Name EI & C ENGINEERING, INC.
Address Line1 15635 ALTON PARKWAY, SUITE 117
Address Line2

City IRVINE
State CA
Zip Code1 92618
Zip Code2
Mailing Address Line1 15635 ALTON PARKWAY, SUITE 117
Mailing Address Line2
Mailing City IRVINE
Mailing State CA
Mailing Zip Code1 92618
Mailing Zip Code2
Certification Type DBE
EMail lthomas@eiceinc.com
Contact Name LAURA THOMAS
Area Code (949)
Phone Number 679-8760
Fax Area Code (949)
Fax Phone Number 679-8865
Agency Name DEPARTMENT OF TRANSPORTATION
Counties 10; 13; 19; 26; 30; 33; 37; 40; 42; 56;
Districts 05; 06; 07; 08; 09; 11; 12;
DBE NAICS 541330; 541620;

ACDBE NAICS

Work Codes C8710 ENGINEERING; C8715 CONSULTANT, ENGINEERING; C8722 ENVIRONMENTAL ENGINEER;
 C8740 ELECTRICAL ENGINEERS;
Licenses EE Electrical Engineer ;
Trucks
Gender F
Ethnicity CAUCASIAN
Firm Type DBE

Firm ID 35386
Firm/DBA Name INTUEOR CONSULTING, INC.
Address Line1 7700 IRVIN CENTER DRIVE, SUITE 470
Address Line2
City IRVIN
State CA
Zip Code1 92618
Zip Code2
Mailing Address Line1
Mailing Address Line2
Mailing City
Mailing State
Mailing Zip Code1
Mailing Zip Code2
Certification Type DBE
EMail mididaddi@intueor.com
Contact Name SREENI MALIREDDY
Area Code (949)
Phone Number 466-5663
Fax Area Code (510)
Fax Phone Number 899-0440
Agency Name BAY AREA RAPID TRANSIT DISTRICT (BART)
Counties 00;
Districts 00;
DBE NAICS 541330; 541511; 541512; 541519; 541611; 541618;

ACDBE NAICS

Work Codes C8701 BUSINESS ADMINISTRATION; C8702 MANAGEMENT INFORMATION SYSTEMS; C8703 TRAFFIC ENGINEER; C8707 FEASIBILITY STUDIES; C8710 ENGINEERING; C8715 CONSULTANT, ENGINEERING; C8716 ARCHITECTURAL ENGINEER; C8720 CIVIL ENGINEERING; C8730 SAFETY STUDIES; C8742 MECHANICAL ENGINEERS; I7371 COMPUTER PROGRAMMING; I7373 INTEGRATED SYSTEMS & CAD/CAM SYSTEMS; I8740 MANAGEMENT & PUBLIC RELATIONS;

Licenses EC Civil Engineer;
Trucks
Gender M
Ethnicity ASIAN SUBCONTINENT
Firm Type DBE

Firm ID 41392
Firm/DBA Name LAND STRATEGIES, LLC
Address Line1 9241 IRVINE BLVD. #100
Address Line2
City IRVINE
State CA
Zip Code1 92618
Zip Code2
Mailing Address Line1
Mailing Address Line2
Mailing City
Mailing State
Mailing Zip Code1
Mailing Zip Code2
Certification Type DBE
Email roy@land-strategies.us
Contact Name ROY ROBERSON
Area Code (949)
Phone Number 580-3000
Fax Area Code ()
Fax Phone Number
Agency Name LOS ANGELES COUNTY METRO TRANSPORTATION AUTHORITY (MTA)
Counties 02; 15; 19; 23; 27; 28; 30; 33; 36; 37; 40; 42;
Districts 01; 04; 05; 06; 07; 08; 10; 11; 12;
DBE NAICS 237210; 541330;

ACDBE NAICS

Work Codes C8710 ENGINEERING; H6550 SUBDIVIDERS & DEVELOPERS;
Licenses EC Civil Engineer;
Trucks
Gender M
Ethnicity CAUCASIAN
Firm Type DBE

Firm ID 40920
Firm/DBA Name S F C COMMUNICATIONS, INC.
Address Line1 65 POST, SUITE 1000
Address Line2
City IRVINE
State CA
Zip Code1 92618
Zip Code2
Mailing Address Line1
Mailing Address Line2
Mailing City
Mailing State
Mailing Zip Code1
Mailing Zip Code2
Certification Type DBE
EMAIL sjacobs@sfcconsultants.com
Contact Name SAUNDRA JACOBS
Area Code (949)
Phone Number 702-1145
Fax Area Code (949)
Fax Phone Number 266-9390
Agency Name LOS ANGELES COUNTY METRO TRANSPORTATION AUTHORITY (MTA)
Counties 00;

Districts 00;
DBE NAICS 541620;

ACDBE NAICS

Work Codes C8713 CONSULTANT, ENVIRONMENTAL;
Licenses
Trucks
Gender F
Ethnicity CAUCASIAN
Firm Type DBE

Firm ID 4570
Firm/DBA Name TATSUMI AND PARTNERS, INC.
Address Line1 49 DISCOVERY #120
Address Line2
City IRVINE
State CA
Zip Code1 92618
Zip Code2 3150
Mailing Address Line1
Mailing Address Line2
Mailing City
Mailing State
Mailing Zip Code1
Mailing Zip Code2
Certification Type DBE
EMail david@tatsumiandpartners.com
Contact Name DAVID H. TATSUMI
Area Code (949)
Phone Number 453-9901
Fax Area Code (949)
Fax Phone Number 453-9902
Agency Name LOS ANGELES COUNTY METRO TRANSPORTATION AUTHORITY (MTA)
Counties 10; 19; 30; 33; 36; 37; 40; 42; 56;
Districts 05; 06; 07; 08; 11; 12;
DBE NAICS 541320; 541340; 541620;

ACDBE NAICS

Work Codes C8713 CONSULTANT, ENVIRONMENTAL; C8744 LANDSCAPE ARCHITECTS; C8765 DRAFTING;
Licenses LA Landscape Architect;
Trucks
Gender M
Ethnicity ASIAN PACIFIC
Firm Type DBE

Firm ID 25485
Firm/DBA Name ULTRASYSTEMS ENVIRONMENTAL INC
Address Line1 16431 SCIENTIFIC WAY
Address Line2
City IRVINE
State CA
Zip Code1 92618
Zip Code2 7334
Mailing Address Line1
Mailing Address Line2
Mailing City
Mailing State
Mailing Zip Code1
Mailing Zip Code2
Certification Type DBE
EMail jemerson@ultrasystems.com

Contact Name BETSY A. LINDSAY
Area Code (949)
Phone Number 788-4900
Fax Area Code (949)
Fax Phone Number 788-4901
Agency Name DEPARTMENT OF TRANSPORTATION
Counties 00;
Districts 00;
DBE NAICS 541620;

ACDBE NAICS**Work Codes**

C8700 CONSULTANT, NON ENGINEERING; C8713 CONSULTANT, ENVIRONMENTAL; C8790 Environmental - Acoustic/ Noise Studies; C8792 Environmental - Biological Studies; C8795 Environmental-Regulatory; J9510 ENVIRONMENTAL QUALITY;

Licenses**Trucks****Gender**

F

Ethnicity

CAUCASIAN

Firm Type

DBE

[Back To Query Form](#)

**FOLLOW-UP WITH NO RESPONSE FROM
SUBCONSULTANT**

Katie Neubauer

From: Katie Neubauer
Sent: Wednesday, March 11, 2015 4:06 PM
To: 'info@ecostmanage.com'
Subject: Subconsultant Request - City of MB On-Call Utility Design
Attachments: On-Call Utility Consultant Services with Federal Requirements AS POSTED.pdf

Good Afternoon,

AKM is proposing on the City of Manhattan Beach On-Call Utility Design project. We have sent out to your company a letter or request through Compliance News on 3-6-2015. This is a follow-up email to see if Environmental Cost Management is interested in teaming with us for Environmental services on this project. If so please let me know as soon as possible. This SOQ is due Monday.

If we could get the following by Friday around noon that would be wonderful.

Signed Letter from Advertisement (PDF is great)

Letter of interest

Certifications (sbe/dbe, etc...)

Firm profile

Resumes of key team members (with number of years at the firm and total number of years of experience)

Relevant Project Experience (3 projects with references and dates)

Rate Schedule

Any questions please feel free to contact Zeki Kayiran at 949-753-7333. Thank you very much!

Katie Neubauer

Senior Administrative Associate
Human Resources Associate

AKM Consulting Engineers
553 Wald, Irvine, CA 92618
949-753-7333
www.akmce.com

Katie Neubauer

From: Katie Neubauer
Sent: Wednesday, March 11, 2015 4:00 PM
To: 'support@clranalytics.com'
Subject: Subconsultant Request - City of MB On-Call Utility Design
Attachments: On-Call Utility Consultant Services with Federal Requirements AS POSTED.pdf

Good Afternoon

AKM is proposing on the City of Manhattan Beach On-Call Utility Design project. We have sent out to your company a letter or request through Compliance News on 3-6-2015. This is a follow-up email to see if CLR Analytics is interested in teaming with us for Traffic Control services on this project. If so please let me know as soon as possible. This SOQ is due Monday.

If we could get the following by Friday around noon that would be wonderful.

Signed Letter from Advertisement (PDF is great)

Letter of interest

Certifications (sbe/dbe, etc...)

Firm profile

Resumes of key team members (with number of years at the firm and total number of years of experience)

Relevant Project Experience (3 projects with references and dates)

Rate Schedule

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Katie Neubauer
Senior Administrative Associate
Human Resources Associate

AKM Consulting Engineers
553 Wald, Irvine, CA 92618
949-753-7333
www.akmce.com

- Phone call 3/11
to discuss... Received
No response

**SUBCONSULTANT DECLINED
INVITATION**

Katie Neubauer

From: Katie Neubauer
Sent: Wednesday, March 11, 2015 3:50 PM
To: 'fsiddiqi@geo-environmental.com'
Subject: Subconsultant Request - City of MB On-Call Utility Design
Attachments: On-Call Utility Consultant Services with Federal Requirements AS POSTED.pdf

Good Afternoon Mr. Siddiqi,

AKM is proposing on the City of Manhattan Beach On-Call Utility Design project. We have sent out to your company a letter or request through Compliance News on 3-6-2015. This is a follow-up email to see if Geo Environmental is interested in teaming with us for environmental services on this project. If so please let me know as soon as possible. This SOQ is due Monday.

If we could get the following by Friday around noon that would be wonderful.

Signed Letter from Advertisement (PDF is great)

Letter of interest

Certifications (sbe/dbe, etc...)

Firm profile

Resumes of key team members (with number of years at the firm and total number of years of experience)

Relevant Project Experience (3 projects with references and dates)

Rate Schedule

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Katie Neubauer

Senior Administrative Associate
Human Resources Associate

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553 Wald, Irvine, CA 92618
949-753-7333
www.akmce.com

Katie Neubauer

From: Dr. Siddiqi <fsiddiqi@geo-environmental.com>
Sent: Thursday, March 12, 2015 10:27 AM
To: Katie Neubauer
Cc: rflores@geo-environmental.com
Subject: RE: Subconsultant Request - City of MB On-Call Utility Design

Katie,

We are more interested in being part of your team for the On-Call Construction Management and Inspection RFP. For that Roberto Flores will email you all the items you have requested in your email. However, he will email you our SOQ first so that you know where we fit the best. Thanks.

Regards,

Farhat H. Siddiqi, PH.D., P.E.
Principal Engineer/CEO
Geo-Environmental, Inc.
SBE/MBE/CBE/DBE/CALTRANS/AASHTO/CITY OF LOS ANGELES Certified
2691 Richter Avenue, Suite 127
Irvine, CA 92606
Landline: (949) 263-8334, extension 22
Fax: (949) 263-8338
Mobile: (714) 206-0028
www.geo-environmental.com
fsiddiqi@geo-environmental.com

From: Katie Neubauer [mailto:kneubauer@akmce.com]
Sent: Wednesday, March 11, 2015 3:50 PM
To: fsiddiqi@geo-environmental.com
Subject: Subconsultant Request - City of MB On-Call Utility Design

Good Afternoon Mr. Siddiqi,

AKM is proposing on the City of Manhattan Beach On-Call Utility Design project. We have sent out to your company a letter or request through Compliance News on 3-6-2015. This is a follow-up email to see if Geo Environmental is interested in teaming with us for environmental services on this project. If so please let me know as soon as possible. This SOQ is due Monday.

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Letter of interest
Certifications (sbe/dbe, etc...)
Firm profile
Resumes of key team members (with number of years at the firm and total number of years of experience)

Relevant Project Experience (3 projects with references and dates)
Rate Schedule

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Katie Neubauer
Senior Administrative Associate
Human Resources Associate

AKM Consulting Engineers
553 Wald, Irvine, CA 92618
949-753-7333
www.akmce.com

Katie Neubauer

From: Katie Neubauer
Sent: Wednesday, March 11, 2015 3:57 PM
To: 'Christopher Diaz'
Cc: 'Nadesh@diazyourman.com'; 'Cherie@diazyourman.com'
Subject: Subconsultant Request - City of MB On-Call Utility Design
Attachments: On-Call Utility Consultant Services with Federal Requirements AS POSTED.pdf

Good Afternoon Mr. Diaz,

AKM is proposing on the City of Manhattan Beach On-Call Utility Design project. We have sent out to your company a letter or request through Compliance News on 3-6-2015. This is a follow-up email to see if Diaz Yourman is interested in teaming with us for geotechnical services on this project. If so please let me know as soon as possible. This SOQ is due Monday.

If we could get the following by Friday around noon that would be wonderful.

Signed Letter from Advertisement (PDF is great)

Letter of interest

Certifications (sbe/dbe, etc...)

Firm profile

Resumes of key team members (with number of years at the firm and total number of years of experience)

Relevant Project Experience (3 projects with references and dates)

Rate Schedule

Any questions please feel free to contact Zeki Kayiran at 949-753-7333. Thank you very much!

Katie Neubauer

Senior Administrative Associate
Human Resources Associate

AKM Consulting Engineers
553 Wald, Irvine, CA 92618
949-753-7333
www.akmce.com

Katie Neubauer

From: Cherie Eifler <Cherie@diazyourman.com>
Sent: Wednesday, March 11, 2015 6:02 PM
To: Katie Neubauer
Cc: Christopher Diaz; Vallipuram Nadeswaran
Subject: RE: Subconsultant Request - City of MB On-Call Utility Design

Hi Katie,

Thank you for your outreach on this pursuit. Regrettably, we are going to decline pursuing this contract with you, due to our current workload and the SOQ being due to the City on Monday. Thank you so much for thinking of us; I hope that we have an opportunity to work together in the near future. Best wishes to you on winning this one!

Warm regards,

Cherie

Cherie D. Eifler, CPSM
Associate, Business Development
Diaz•Yourman & Associates
1616 East 17th Street
Santa Ana, CA 92705
714-245-2920, ext. 228 (Office)
714-245-2950 (Fax)
714-658-5075 (Cell)
cherie@diazyourman.com
www.diazyourman.com

From: Katie Neubauer [mailto:kneubauer@akmce.com]
Sent: Wednesday, March 11, 2015 3:57 PM
To: Christopher Diaz
Cc: Vallipuram Nadeswaran; Cherie Eifler
Subject: Subconsultant Request - City of MB On-Call Utility Design

Good Afternoon Mr. Diaz,

AKM is proposing on the City of Manhattan Beach On-Call Utility Design project. We have sent out to your company a letter or request through Compliance News on 3-6-2015. This is a follow-up email to see if Diaz Yourman is interested in teaming with us for geotechnical services on this project. If so please let me know as soon as possible. This SOQ is due Monday.

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Letter of interest

Certifications (sbe/dbe, etc...)

Firm profile

Resumes of key team members (with number of years at the firm and total number of years of experience)

Relevant Project Experience (3 projects with references and dates)

Rate Schedule

Any questions please feel free to contact Zeki Kayiran at 949-753-7333. Thank you very much!

Katie Neubauer

Senior Administrative Associate
Human Resources Associate

AKM Consulting Engineers
553 Wald, Irvine, CA 92618
949-753-7333
www.akmce.com

AESCO GEOTECHNICAL PROPOSAL

Katie Neubauer

From: Katie Neubauer
Sent: Wednesday, March 11, 2015 3:35 PM
To: 'russ.scharlin@aescotech.com'
Subject: Subconsultant Request - City of MB On-Call Utility Design
Attachments: On-Call Utility Consultant Services with Federal Requirements AS POSTED.pdf

Good afternoon Mr. Scharlin,

AKM is proposing on the City of Manhattan Beach On-Call Utility Design project. We have sent out to your company a letter or request through Compliance News on 3-6-2015. This is a follow-up email to see if Aesco is interested in teaming with us for geotechnical services on this project. If so please let me know as soon as possible. This SOQ is due Monday.

If we could get the following by Friday around noon that would be wonderful.

Letter of interest

Certifications (sbe/dbe, etc...)

Firm profile

Resumes of key team members (with number of years at the firm and total number of years of experience)

Relevant Project Experience (3 projects with references and dates)

Rate Schedule

Any questions please feel free to contact Zeki Kayiran at 949-753-7333. Thank you very much!

Katie Neubauer

Senior Administrative Associate
Human Resources Associate

AKM Consulting Engineers
553 Wald, Irvine, CA 92618
949-753-7333
www.akmce.com

Katie Neubauer

From: Russ Scharlin <russ.scharlin@aescotech.com>
Sent: Thursday, March 12, 2015 8:46 AM
To: Katie Neubauer
Subject: RE: Subconsultant Request - City of MB On-Call Utility Design

Yes.

Russ Scharlin, MSCE, P.E., G.E.
Vice President, Engineering Manager
Russ.Scharlin@AescoTech.com

AESCO, Inc.

Materials Testing & Inspection

Geotechnical & Environmental Engineering Services

17782 Georgetown Lane

Huntington Beach, CA 92647

714-375-3830

714-375-3831 FAX

714-316-9291 Mobile

www.AescoTech.com

From: Katie Neubauer [mailto:kneubauer@akmce.com]
Sent: Thursday, March 12, 2015 8:22 AM
To: Russ Scharlin
Subject: RE: Subconsultant Request - City of MB On-Call Utility Design

Yes ... Should be pretty close just design not CM...Would Aesco be interested in teaming with us?

Katie

From: Russ Scharlin [mailto:russ.scharlin@aescotech.com]
Sent: Wednesday, March 11, 2015 4:34 PM
To: Katie Neubauer
Subject: RE: Subconsultant Request - City of MB On-Call Utility Design

Katie,

I didn't see this one before. Should basically be the same submittals as for the on-call CM services.

Russ Scharlin, MSCE, P.E., G.E.
Vice President, Engineering Manager
Russ.Scharlin@AescoTech.com

AESCO, Inc.

Materials Testing & Inspection

Geotechnical & Environmental Engineering Services

17782 Georgetown Lane

Huntington Beach, CA 92647

714-375-3830

714-375-3831 FAX

714-316-9291 Mobile

www.AescoTech.com

From: Katie Neubauer [<mailto:kneubauer@akmce.com>]
Sent: Wednesday, March 11, 2015 3:35 PM
To: russ.scharlin@aescotech.com
Subject: Subconsultant Request - City of MB On-Call Utility Design

Good afternoon Mr. Scharlin,

AKM is proposing on the City of Manhattan Beach On-Call Utility Design project. We have sent out to your company a letter or request through Compliance News on 3-6-2015. This is a follow-up email to see if Aesco is interested in teaming with us for geotechnical services on this project. If so please let me know as soon as possible. This SOQ is due Monday.

If we could get the following by Friday around noon that would be wonderful.

Letter of interest

Certifications (sbe/dbe, etc...)

Firm profile

Resumes of key team members (with number of years at the firm and total number of years of experience)

Relevant Project Experience (3 projects with references and dates)

Rate Schedule

Any questions please feel free to contact Zeki Kayiran at 949-753-7333. Thank you very much!

Katie Neubauer
Senior Administrative Associate
Human Resources Associate

AKM Consulting Engineers
553 Wald, Irvine, CA 92618
949-753-7333
www.akmce.com

Katie Neubauer

From: Nadra Chamaa <nadra.chamaa@aescotech.com>
Sent: Thursday, March 12, 2015 11:13 AM
To: Katie Neubauer
Cc: 'Russ Scharlin'
Subject: RE: Response to Invitation to Bid
Attachments: DBE-UDBE.PDF; Metro SBE Certification Expire 04-25-2017.pdf; Unified Certification Program.pdf; WBE MBE Certification.pdf; AESCO resumes1.pdf; AESCO 2014 Fee Schedule.pdf; AESCO's Statement of Qualifications 3-12-15.pdf

Good Morning Katie,

Please see attached documents as per your request for the above-referenced proposal. Should you require additional information, please do not hesitate to contact me.

Thanks,

Nadra Chamaa
Marketing Coordinator
Nadra.Chamaa@aescotech.com
AESCO, Inc.
Materials Testing & Inspection
Geotechnical & Environmental Engineering Services
17782 Georgetown Lane
Huntington Beach, CA 92647
714-375-3830
714*375*3831 FAX
www.AescoTech.com

From: Katie Olivier [mailto:katie.olivier@aescotech.com]
Sent: Tuesday, March 10, 2015 9:45 AM
To: kneubauer@akmce.com
Cc: Russ Scharlin
Subject: Response to Invitation to Bid

Hello,

I have attached our response form for the city of Manhattan Beach project. Please let me know if you have any questions or concerns.

Thank you,

Katie Olivier
Office Assistant

AESCO
(SBE, DBE, UDBE Firm)

Orange County

17782 Georgetown Lane
Huntington Beach, CA 92647
714-375-3830 x 1102
714-375-3831 FAX

San Bernardino County

14163 Arrow Blvd.,
Fontana, CA 92335
909-284-9200 x 1102
909-284-9201 FAX

Katie.Olivier@AescoTech.com
office@AescoTech.com
www.AescoTech.com



Orange County
17782 Georgetown Lane
Huntington Beach, California 92647
Tele: (714) 375-3830
Fax: (714) 375-3831

San Bernardino County
14163 Arrow Boulevard
Fontana, California 92335
Tele: (909) 284-9200
Fax: (909) 284-9201

March 12, 2015

Katie Neubauer
Senior Administrative Associate
Human Resources Associate
AKM Consulting Engineers
553 Wald,
Irvine, CA 92618

Subject: **Letter of Interest to Perform Geotechnical Engineering Services
On-Call Utility Design Services
City of Manhattan Beach, CA
AESCO Proposal No. P4590**

Dear Ms. Neubauer,

AESCO is interested in serving you on the utility design services for the referenced project.

AESCO is a woman-owned corporation (incorporated in California) and has been in operation since 1993. AESCO is headquartered in Huntington Beach, California and we currently have over ten employees. AESCO is certified as a small business enterprise (SBE) by the Metropolitan Transportation Authority (MTA), the Port of Long Beach, the Metropolitan Water District, and by the Office of Small Businesses and Disabled Veterans Business Enterprise Certification (OSDC) and is certified as a disadvantaged business enterprise (DBE) by the California Unified Certification Program. AESCO is also certified as a Community Business Enterprise (CBE) by the County of Los Angeles.

Brief overviews of our capabilities are presented below:

- Materials Testing/Construction Inspection Services - our laboratory is located in Huntington Beach, California, and is capable of performing in-house or on-site testing and inspection services. AESCO regularly tests and inspects granite, masonry, mortar, reinforcing steel, and other manufactured elements such as pre-stressed beams and pre-cast panels.
- Geotechnical Engineering capabilities extend from initial site evaluation to geologic fault and soils investigations. We provide cost-effective foundation design recommendations. Our expertise ranges from site feasibility studies to providing expert testimony on existing building distress.
- Environmental Engineering services consisting of Phase I (ESA) and Phase II site investigations.

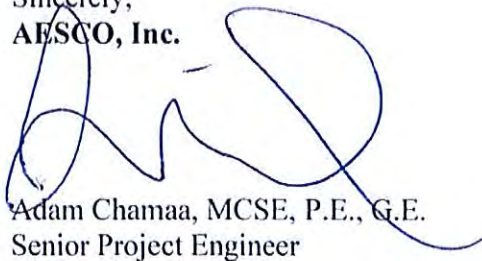


AESCO's laboratory has been approved or certified by the Division of State Architect (DSA), California Department of Transportation (Caltrans) under certification #1002 and by the City of Los Angeles under certification #10191. AESCO is also a current member of the Independent Assurance Program with Caltrans, CCRL, and AMRL.

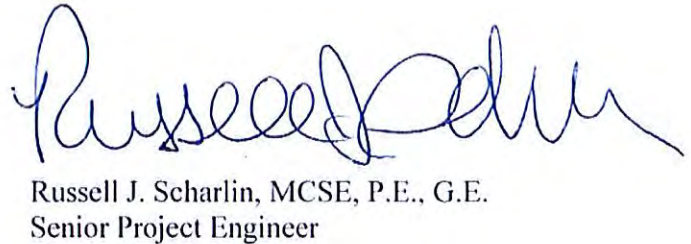
AESCO has been retained as the geotechnical engineering firm for Commercial owners and governmental agencies including: T-Mobile, AT&T, Verizon, the City of Huntington Beach, etc.

Should you have any questions please feel free to call Mr. Adam Chamaa or Russ Scharlin at (714) 375-3830.

Sincerely,
AESCO, Inc.



Adam Chamaa, MCSE, P.E., G.E.
Senior Project Engineer



Russell J. Scharlin, MCSE, P.E., G.E.
Senior Project Engineer



CALIFORNIA UNIFIED CERTIFICATION PROGRAM (CUCP)



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January 31, 2008

Ms. Kay Alabed
AESCO TECHNOLOGIES, INC.
17782 Georgetown Lane
Huntington Beach, CA 92647

File No. CUCP 35370
OCTA 34008

RE: Five-Year Disadvantaged Business Enterprise Re-Certification

Dear Ms. Alabed:

We are pleased to advise you that after careful review of your application and supporting documentation, the Orange County Transportation Authority has determined that your firm meets the eligibility standards to be certified as a Disadvantaged Business Enterprise (DBE) as required under the U.S. Department of Transportation (U.S. DOT) Regulation 49 CFR Part 26, as amended.

The DBE certification will be honored by all U.S. DOT recipients in California, and your firm will be listed in the California Unified Certification Program (UCP) database of certified DBEs under the following specific areas of expertise that you have identified on your supplemental questionnaire:

NAICS Codes	Description
541380	Testing Laboratories

Your DBE certification is good for five years from the date of this letter and applies only for the above code(s). You may review your firm's information in the California UCP DBE Database which can be accessed at the California Department of Transportation's website at www.dot.ca.gov/hq/bep/. Any additions and revisions must be submitted to the District for approval.

After the five-year certification period, your entire file will be reviewed in order to ascertain continued DBE certification status. You will be notified of the pending DBE status review and any documentation updates necessary prior to the expiration date.

The Regulations also require annual updates during this five-year period. In order to assure

CHIEF EXECUTIVE OFFICE

Arthur T. Leahy
Chief Executive Officer

continuing DBE status, you must submit annually a DBE Declaration with supporting documentation, in the format which will be sent to you. Based on your annual submission that no change in ownership and control has occurred, or if changes have occurred, they do not affect your firm's DBE standing, the DBE certification of your firm will continue until the five-year certification has expired.

Also, should any changes occur that could affect your certification status prior to receipt of the DBE Declaration, such as changes in your firm's name, business/ mailing address, ownership, management or control, or failure to meet the applicable business size standards or personal net worth standard, please notify me immediately. DBE certification is subject to review at any time. Failure to submit forms and/or change of information will be deemed as failure to cooperate under Section 26.109 of the Regulations.

Congratulations, and thank you for your continued interest in participating in the California UCP. I wish you every business success and look forward to hearing from you if I may be of any assistance to you in this regard.

Sincerely,

A handwritten signature in cursive script that reads "Tina Giles-Potter".

Tina Giles-Potter
Small Business Program Administrator

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AND
DIRECTOR**

**BUREAU OF
CONTRACT ADMINISTRATION
OFFICE OF CONTRACT COMPLIANCE**

1149 S. BROADWAY ST, SUITE 300
LOS ANGELES, CA 90015
(213) 847-1922

<http://bca.lacity.org>

March 3, 2008

Kay Alabed
AESCO Technologies, Inc.
17782 Georgetown Lane
Huntington Beach, CA 92647

Dear Ms. Alabed:

AESCO Technologies, Inc. is certified by the Orange County Transportation Authority as a Disadvantaged Business Enterprise (DBE) (UCP No. 35370). The City of Los Angeles honors all DBE certifications issued by certifying member agencies of the California Unified Certification Program (CUCP). Most firms certified as DBE, by definition, are also either a Minority Business Enterprise or Women Business Enterprise (MBE/WBE). AESCO Technologies, Inc. is a woman-owned business and therefore, its DBE certification will be honored for WBE participation on all City of Los Angeles contracts. The current status of AESCO Technologies, Inc.'s certification can be verified by visiting http://www.dot.ca.gov/hq/bep/dbe_query.htm.

Please contact the Office of Contract Compliance, Centralized Certification Section at (213) 847-1922 if you have any further questions or concerns.

Sincerely yours,

Angela de la Rosa

to
Helmut Peindl
Certification Manager
Office of Contract Compliance
Bureau of Contract Administration

AN EQUAL OPPORTUNITY - AFFIRMATIVE ACTION EMPLOYER



Metro

Los Angeles County
Metropolitan Transportation Authority

One Gateway Plaza
Los Angeles, CA 90012-2952

213.922.2000 tel
metro.net

Metro File # 4251

April 25, 2012

Kay Alabed
AESCO, Inc.
17782 Georgetown Lane
Huntington Beach, CA 92647

Re: Small Business Enterprise Certification

Dear Ms. Alabed:

We are pleased to advise you that after careful review of your application and supporting documentation, the Los Angeles County Metropolitan Transportation Authority (Metro) has determined that your firm meets the eligibility standards to be certified as a Small Business Enterprise (SBE) as required under the Metro SBE Program. Your firm will be listed in the Metro SBE database of certified SBEs under the following specific areas of expertise:

<u>NAICS (2007)</u>	<u>Description</u>	<u>Size Standard</u>
541330	Engineering Services	\$14 million
541350	Building Inspection Services	\$7 million
541380	Testing Laboratories	\$12 million
541620	Environmental Consulting Services	\$7 million

Your SBE certification is good for five years from the date of this letter and applies only for the above NAICS 2007 codes. Requests for additional or revised NAICS 2007 codes must be made in writing to Metro. After the five-year certification period, your entire file will be reviewed in order to ascertain continued SBE certification status. You will be notified of the pending SBE status review and any documentation updates necessary prior to the expiration date.

Should any changes occur that could affect your certification status, such as changes in your firm's name, business/ mailing address, ownership, management or control, or failure to meet the applicable business size standards or personal net worth standard, please notify Metro immediately. SBE certification is subject to review at any time.

Metro reserves the right to withdraw this certification if at any time it is determined that certification was knowingly obtained by false, misleading, or incorrect information. Metro also reserves the right to request additional information and/or conduct on-site visits at any time during the certification period. The firm thereby consents to the examination of its books, records, and documents by the Metro.

Congratulations, and thank you for your interest in Metro's SBE Program. I wish you every business success and should you have any questions, please contact us at 213-922-2600. For information on Metro contracting opportunities, please visit our website at www.metro.net.

Sincerely,


Shirley Wong
Certification Representative
Diversity & Economic Opportunity Department

[Back To Query Form](#)**Search Returned 1 Records**

Mon Mar 09 12:58:58 PDT 2015

Query Criteria

Firm ID: 35370
 City: Huntington Beach
 Zip Code: 92647
 Area Code: 714
 County: ORANGE
 Firm Type: DBE

Firm ID	35370
Firm/DBA Name	AESCO, INC
Address Line1	17782 GEORGETOWN LANE
Address Line2	
City	HUNTINGTON BEACH
State	CA
Zip Code1	92647
Zip Code2	
Mailing Address Line1	17782 GEORGETOWN LANE
Mailing Address Line2	
Mailing City	HUNTINGTON BEACH
Mailing State	CA
Mailing Zip Code1	92647
Mailing Zip Code2	
Certification Type	DBE
E-Mail	kay.alabed@aescotech.com
Contact Name	KAY ALABED
Area Code	(714)
Phone Number	375-3830
Fax Area Code	(714)
Fax Phone Number	375-3831
Agency Name	DEPARTMENT OF TRANSPORTATION
Counties	19; 30; 33; 36; 42; 56;
Districts	05; 07; 08; 12;
DBE NAICS	541380;

ACDBE NAICS

Work Codes	I8073 DRUG TESTING; I8734 LABORATORY TESTING AND ANALYSIS;
Licenses	
Trucks	
Gender	F
Ethnicity	CAUCASIAN
Firm Type	DBE

[Back To Query Form](#)



Statement of Qualifications

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Section 1 Qualifications

AESCO is a woman-owned corporation (incorporated in California) and has been in operation since 1993. AESCO has two offices in Fontana and Huntington Beach which is where we are headquartered. AESCO is an **SBE, DBE/UDBE, WBE, and CBE** certified firm. AESCO has been retained as the materials testing and inspection, and geotechnical and environmental engineering firm for local governmental and municipal agencies, school districts, and commercial developers. **AESCO has extensive experience with transportation projects (highway widening, bridges, grade separations, soundwalls, etc.).** Clients have included the Caltrans, Metropolitan Transit Authority (MTA), Orange County Transportation Authority (OCTA), the Cities of Los Angeles Department of Water and Power, Costa Mesa, Inglewood, Long Beach Water Department, Diamond Bar, Lakewood, Huntington Beach, Lynwood, Riverside, Buena Park, Irvine, and Santa Ana, Cingular Wireless, Sprint PCS, T-Mobile, Nextel, AT&T and Verizon Wireless, Alhambra School District, Long Beach Community College District, Mountain View School District, Los Angeles Unified School District, and the Covina Unified School District. Detailed descriptions of some of these projects are included below.

AESCO has a strong financial base, and has never experienced any bankruptcy, pending litigation, office closure, nor has any impending merger in the near future. AESCO is able to complete projects within the established schedule, and does not add on additional work without prior authorization.

Budget/Schedule Performance

AESCO has been successful in consistently completing its projects within the assigned budget and schedule. We thoroughly evaluate our task and scope of work, and build an efficient budget for our work. Therefore, we seldom exceed the budget or schedule. AESCO has a practice of obtaining advance approval from clients prior to initiating any work which will add costs to the originally approved budget.

Construction Materials Testing and Inspection Services

AESCO operates a construction materials engineering (CME) laboratory in Huntington Beach, California, and is capable of performing in-house or on-site testing and inspection services. Our laboratory produces thousands of reports annually involving concrete, aggregates, soils in-place, and bituminous materials. AESCO also regularly tests and inspects brick, granite, stone masonry, mortar, reinforcing steel, and manufactured elements such as pre-stressed beams and pre-cast panels.

Engineering consultation and inspection services are available for each phase of construction including:

- Aggregate Evaluation
- Concrete Mixtures-Design, Inspection, and Testing

- Bituminous Materials Testing
- Refractory Testing
- Roof Inspection and Testing
- Soils Compaction and Stabilization Tests and Inspection
- Structural Steel Fabrication and Erection Inspection and Testing
- Qualification of Welders and Procedures
- Welding Inspection
- Rebar Inspection and Testing
- NDT Testing and Inspection

Geotechnical Engineering Capabilities

Information from geotechnical investigations are used to develop preliminary evaluations. Our experienced field engineers and drillers assess the subsurface conditions as they are encountered to achieve an accurate representation of the soil and bedrock materials beneath a site.

AESCO can deliver geotechnical services, from routine classifications, to triaxial shear and consolidation tests. Our laboratory testing services include testing of soils, concrete, masonry, fireproofing, asphalt, roofing, and aggregates. Laboratory testing is performed using ASTM, AASHTO, and other applicable specifications and guidelines.

Special testing services and field laboratories can be provided, as necessary. In addition to comprehensive soil testing, we are equipped to perform a variety of rock mechanics test procedures, in accordance with standard methods specified by ASTM, ISRM, and CANMET.

AESCO's geotechnical investigations have included:

- Foundation and pavement design
- Bridge foundation design
- Special site investigations for vibration monitoring
- Field permeability tests
- Settlement problems
- Compaction monitoring and testing
- Slope stability problems such as earthen dam failures
- Shallow foundations and rigid mats
- Deep foundations and pressure injected footings
- Earth retaining structures and reinforced earth
- Geological reinforced fill
- Deep, dynamic ground improvement, surcharge and grouting
- Highways, airports, railroads and pavements
- Slope design, soil and rock stability
- Landslide analysis and control
- Expansive/collapsing soils
- Geologic and seismic hazard per Title 24

- Settlement and subsidence analysis
- Underpinning and special foundations
- Dams, reservoirs and dam studies
- Liners
- Hydroelectric facilities
- Dynamically loaded foundations
- Soil and rock instrumentation and blast monitoring
- Construction dewatering and drainage
- Tunnels, pipelines and utilities
- Forensics
- Creek, river and waterfront protection
- Liquefaction analyses
- Fault evaluation

AESCO provides full grading inspection services during construction. Our inspectors are capable of performing field inspection and testing of fill materials, excavations, foundations, and shoring. Our inspectors are trained to perform compaction testing with the sand cone or nuclear density gauge test method and are licensed to operate nuclear density gauges. **To expedite site grading, AESCO can set up a portable laboratory on site, capable of performing most of the essential tests that may be required by the district.**



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Related Projects

AESCO has experience in a wide variety of projects involving design of street improvement projects, geotechnical engineering and inspection services. This section summarizes the relevant experience of the firm.

A partial listing of AESCO's recent, relevant projects includes:

Roadway Improvements-Yorktown and Ward, Slater Avenue, Graham Avenue, Heil Avenue, Magnolia Street, Garfield Avenue, Gothard Street, etc. – City of Huntington Beach, Department of Public Works

AESCO performed a site survey of several roadway to evaluate the condition of existing pavement structural sections. Borings were performed and logged and laboratory testing was conducted to determine condition of the subgrade. Construction recommendations were provided for ten and twenty year life for new pavement structural sections and/or overlaying of the existing pavement.

Warner Avenue Gravity Sewer Lift Station C – City of Huntington Beach, Department of Public Works

AESCO performed a geotechnical and environmental Phase II investigation for a new lift station facility. The project consisted of the replacement of the existing Lift Stations B and C and the Sunset Beach Sanitary Lift Station with a new Lift Station C. The submersible lift station incorporated a 14 foot by 26 foot by 22 foot deep wet well. The bottom of the well foundation was approximately 26 to 27 feet below existing grade. The new lift station also included an 8-foot deep valve vault which was 15 feet by 10 feet in plan dimension, a 60 kW outdoor generator, and electrical panels. A limited Phase I environmental investigation was conducted at the site prior to performing the borings to identify the locations of possible contamination. Groundwater monitoring wells were installed and environmental testing was conducted on the groundwater and soil. Pump tests were also performed. Permits were obtained from the County of Orange prior to installation of the monitoring wells. Liquefaction analysis was performed. Recommendations were provided for shoring during construction, dewatering, sewer line installation using trenching methods, bedding materials, mat foundation including bearing pressures, lateral earth pressures, and wall backfill.



Sewer Lift Station Replacement Project, Lift Station No. 10 – City of Huntington Beach, Department of Public Works

AESCO performed a geotechnical investigation for the demolition and replacement of an existing lift station and some of the associated piping with a new lift station located approximately 50 feet south of the existing station. The new lift station consisted of a concrete vault with a footprint area of approximately 10 feet by 10 feet and about 30 feet to 35 feet in depth. Liquefaction analysis was performed. Recommendations were provided for shoring during construction, dewatering, sewer line installation using trenching methods, bedding materials, mat foundation including bearing pressures, lateral earth pressures, and wall backfill.



14-Inch Water Line Installation under Huntington Harbor Channel – City of Huntington Beach, Department of Public Works

AESCO performed a geotechnical investigation for a new 14-inch diameter water line composed of High Density Polyethylene (HDPE) pipe. The length of the new pipe ranged from 750 feet to 950 feet. The pipe was installed beneath the Huntington Harbor bottom which is at an approximate depth of 20 feet below high sea level. The water line connected to existing water systems on either side of the channel. Liquefaction analysis was performed. Recommendations were provided for horizontal direction drilling which was the most cost effective method to install the water line beneath the harbor. Recommendations were also provided for shoring during construction, dewatering on the land sides of the installation, and bedding materials. An environmental Phase II investigation was also conducted for hydrocarbon contamination.

Highway 330-Caltrans, Big Bear/Caltrans

AESCO was responsible for performing a geotechnical investigation for replacement of culverts that were washed away on Highway 330. AESCO logged and classified soil borings and performed laboratory testing. Recommendations were made for repair of the culverts and the existing roadway which included jack and bore and grouting or open trench excavations.



Lincoln Boulevard Resurfacing Project-City of Santa Monica

AESCO performed quality assurance inspection and materials testing services for the resurfacing project of Lincoln Boulevard between Interstate 10 and Ozone Street in the City of Santa Monica. The project involves the cold milling of existing asphalt surfacing and placement of an ARHM overlay, full-depth AC pavement repair and cross-walk replacement, PCC panel repair and sidewalks and cross gutters. AESCO tested and inspected the subgrade, aggregate base, asphaltic concrete and asphalt rubber hot mix placement, and concrete placement. AESCO also performed traffic control and cored the new asphalt in various locations to verify the thickness and density of the in-place overlay asphalt.



Pavement Design - Central Net Fire Training Facility, City of Huntington Beach

AESCO performed a geotechnical investigation to evaluate the existing pavement at the Central Net Fire Training Facility (Gothard Street Fire Station). Borings were performed and logged and laboratory testing was conducted to determine the condition of the subgrade and to provide recommendations for repair of the existing concrete pavement. Recommendations were provided for new pavement structural sections which would support the 73,000-pound, 60 foot long with a wheel base of 249 inches fire trucks.

Storm Drain Modification-OCTA

AESCO performed materials testing and inspection for the modifications to the existing storm drain at the Anaheim Bus Base located 1717 East Via Burton. AESCO performed testing and inspection of the storm drain backfill and reinforced concrete. AESCO also performed maximum density testing at the laboratory. All reports were digitally sent to OCTA daily.

10th Street/14th Street Sewer Design, Long Beach Water Department

AESCO was responsible for performing a geotechnical investigation and the design of new 10- inch diameter sewer lines. The scope included removal of the existing 10-inch diameter sewers and replacement of 10-inch VCP lines along 10th and 14th Streets in the City of Long Beach.

Knott Avenue Pavement Rehabilitation-City of Buena Park

AESCO performed a pavement rehabilitation study for Knott Avenue between La Palma Avenue and Orangethorpe Avenue for the City of Buena Park. Pavement and subgrade recommendations were provided for a twenty year life of the pavement. A site survey was performed to determine areas of degraded asphalt and where to place the borings.



Several borings and coring of the asphaltic concrete were performed.

Huntington Beach Storm Drain – City of Huntington Beach

AESCO performed continuation inspection services which included fill inspection and compaction, bottom of excavation inspection, concrete placement inspection and dewatering inspection. This work was performed on storm drains along the Pacific Coast Highway.

Lift Station D, Atlanta and Beach Lift Station, Lift Station 4 – City of Huntington Beach, Department of Public Works

AESCO performed geotechnical and environmental investigations for a major lift station in the City of Huntington Beach. The investigations included drilling and logging borings and well construction. Pump tests were performed on the wells and environmental testing was conducted on the pumped water. Inclinometers were installed to measure the effects of construction on the surrounding area. AESCO collected and evaluated groundwater before and during construction. AESCO recommended a shoring system and dewatering system to stabilize the 50-foot excavation less than a mile from the coast. Aquifer recharge due to the dewatering system and pumping activities was determined. The geotechnical investigation included a seismic hazard evaluation, laboratory testing, foundation recommendations, bearing pressures, liquefaction analysis, CIDH recommendations, site preparation recommendations, and alternative types of foundations for the new construction. AESCO also participated in providing the bid documents for construction. The California Department of Water Resources (CDWR) and the City of Huntington Beach were involved in the regulatory portion of the project. Discharge permits were obtained from the CDWR. AESCO inspected the shoring and supervised the dewatering during construction. AESCO also inspected and tested the subgrade, removal of the shoring system, the slurry backfill.

Atlanta and Beach Lift Station Repair – City of Huntington Beach, Department of Public Works

AESCO performed a geotechnical investigation for repair of the lift station which had settled causing distress to the pipelines and the surrounding pavement. The investigation included drilling and logging borings and performing laboratory testing.

Adam and Ranger Sewer Lift Station – City of Huntington Beach, Department of Public Works

AESCO performed a geotechnical investigation for construction of sewer lift station #6 in the City of Huntington Beach. The new lift station was 24 feet by 24 feet in plan dimension and was placed at a depth of 18 feet below the existing ground surface.



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Recommendations were made for a mat foundation, dewatering during construction, waterproofing, pipe bedding, lateral pressures, and shoring. AESCO also performed materials testing and inspection during construction which consisted of plate load testing, grout and rebar.

Section 3 Proposed Staffing and Project Organization

A brief overview of key AESCO personnel is presented below. Detailed resumes are included in Appendix A.

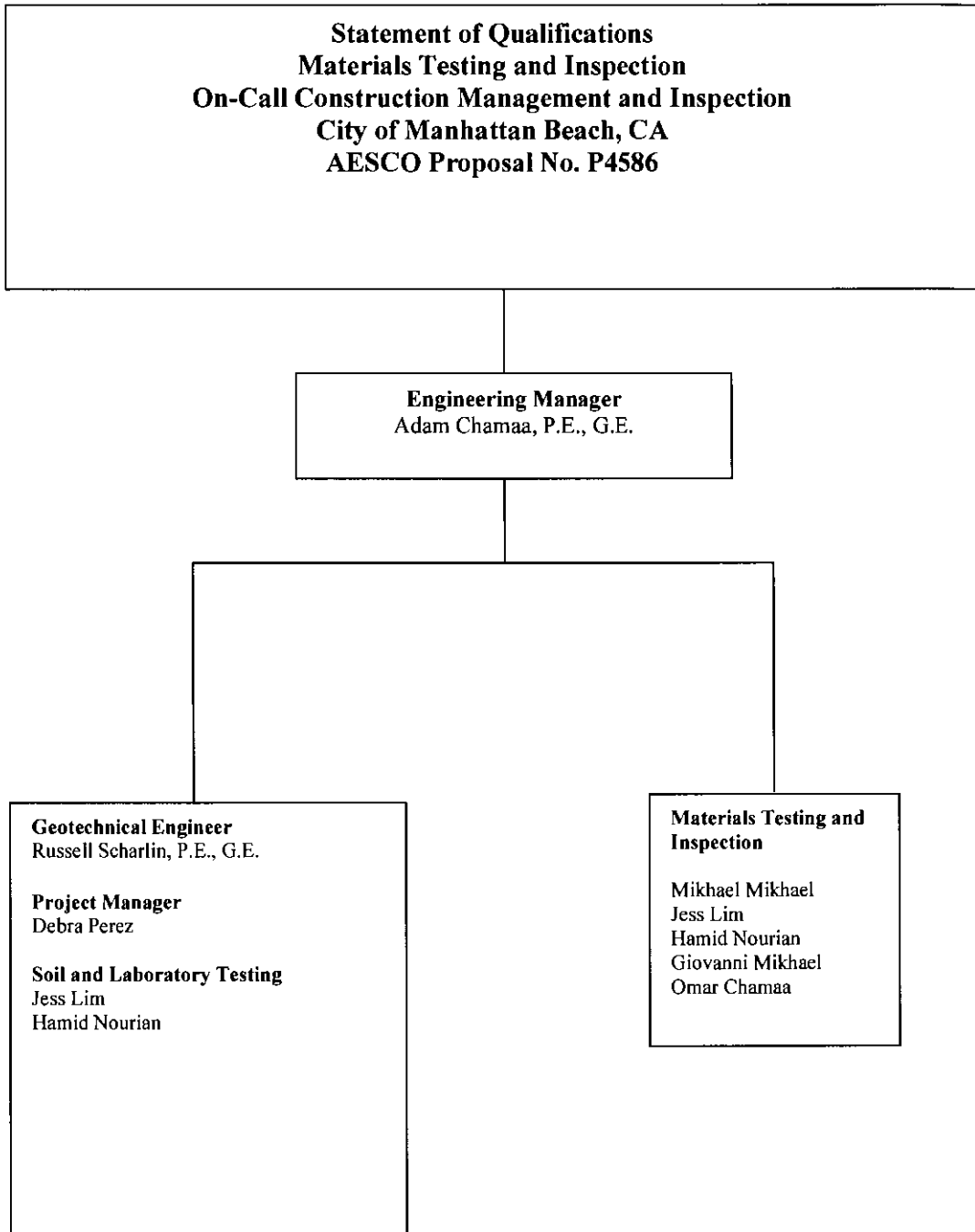
PERSONNEL SUMMARY

Name	Years of Experience	Education/Credentials
Adam Chamaa Engineering Manager	25	B.S. Civil Engineering M.S. Civil Engineering Licensed California Engineer (P.E.) Licensed California Geotechnical Engineer (G.E.) Licensed Nevada Engineer (P.E.) Nuclear Density Machine Operator
Russell L. Scharlin Geotechnical Engineer	30	B.S. Civil Engineering M.S. Civil Engineering Licensed California Engineer (P.E.) Licensed California Geotechnical Engineer (G.E.)
Debra Perez Project Manager	30	B.S. Renewable Natural Resources Nuclear Density Machine Operator
Andrew Stone Principal Geologist	27	B.S. Geology Registered Geologist (C.G.) Certified Engineering Geologist (C.E.G.)
Mikhael Mikhael Senior Inspector	30	County of Los Angeles Certified Inspector, Reinforced Concrete, Structural Masonry ICC Certified Prestressed Concrete ICC Structural Masonry UBC ICC Certified Structural Steel and Bolting ICC Certified Spray Applied Fireproofing ICC Certified Structural Welding ICC Structural Masonry ICC Certified Master of Special Inspector ICC Certified Reinforced Concrete DSA Masonry Certified Inspector Radiation Safety and Use of Nuclear Gage Caltrans Certificate of Proficiency for: Sampling Freshly Mixed Concrete, Density of Fresh Concrete, Flexural Strength of PCC (Fabrication only), Ball Penetration in Fresh Portland Cement Concrete, Sampling Freshly Mixed Concrete, PCC Cylinder Fabrication, Air Content of Freshly Mixed Concrete-Pressure, Slump of Fresh Portland Cement Concrete, Temperature of Freshly Mixed Portland Cement Concrete
Jess Lim Senior Inspector	25	B.S. Chemical Engineering Licensed Civil Engineer, Philippines Caltrans Certificate of Proficiency for: Calculations

Name	Years of Experience	Education/Credentials
		<p>Pertaining to Gradings & SpG, Sampling Highway Materials & Products, Soil & Aggregate Sample Preparation, Specific Gravity and Absorption of Fine & Coarse Aggregates, Sand Equivalent, Air Content, Freshly Mixed Concrete, Pressure, Density of Fresh Concrete, Flexural Strength of PCC, Ball Penetration in Fresh Portland Cement Concrete, Sampling Freshly Mixed Concrete, PCC Cylinder Fabrication, Temperature of Freshly Mixed Portland Cement Concrete, Definitions of Terms Relating to Specific Gravity, Relative Compaction, Soils and Aggregates, Evaluating Cleanness of Coarse Aggregate, Relative Compaction of Soils and Aggregates (Nuclear), Compressive Strength of Molded Cylinders ACI Concrete Laboratory Testing Technician ACI Concrete Field Testing Technician ICC Certified Prestressed Concrete ICC Certified Concrete Inspector ICC Certified Masonry Inspector ICC Structural Steel Certified Inspector ICC Reinforced Concrete ICC Spray-Applied Fireproofing Radiation Safety and Use of Nuclear Gage Certified Radioactive Material Operator City of Newport Beach Deputy Inspector City of Garden Grove Deputy Inspector City of Long Beach Deputy Inspector City of Los Angeles Deputy Inspector City of Riverside Deputy Inspector NICET Construction Materials Testing/Asphalt NICET Certified Level II NICET Construction Materials Testing/Soils NICET Construction Materials Testing/Concrete County of Orange Certified Special Inspector AWS Welding Inspector TWIC Card</p>
Hamid Nourian Senior Inspector	28	<p>B.S. Civil Engineering Hazardous Waste Operation Radiation Safety and Use of Nuclear Gage ACI Concrete Field Testing Technician ACI Certificate for Rubberized Asphalt Plant Inspection ACI Laboratory Testing Technician-Grade I Hazardous Materials 40-hour Training Caltrans Quality Control/Quality Assurance, Overview of Specifications and Procedures Caltrans Certificate of Proficiency for: Calculations Pertaining to Gradings & SpG, Sampling Highway Materials & Products, Soil & Aggregate Sample Preparation, Sieve Analysis</p>

Name	Years of Experience	Education/Credentials
		of Fine & Coarse Aggregates, Sand Equivalent, Air Content, Freshly Mixed Concrete, Pressure, Density of Fresh Concrete, Flexural Strength of PCC (Fabrication Only), Ball Penetration in Fresh Portland Cement Concrete, Sampling Freshly Mixed Concrete, PCC Cylinder Fabrication, Slump of Fresh Portland Cement Concrete, Temperature of Freshly Mixed Portland Cement Concrete TWIC Card
Omar Chamaa Project Engineer	5	B.S., Civil Engineering E.I.T. Hazardous Materials 40-hour Training ICC Certified Reinforced Concrete Caltrans Certificate of Proficiency for: Calculations Pertaining to Gradings & SpG, Sampling Highway Materials & Products, Soil & Aggregate Sample Preparation, Sieve Analysis of Fine & Coarse Aggregates, Sand Equivalent, Air Content, Freshly Mixed Concrete, Pressure, Density of Fresh Concrete, Flexural Strength of PCC, Ball Penetration in Fresh Portland Cement Concrete, Sampling Freshly Mixed Concrete, PCC Cylinder Fabrication, Air Content of Freshly Mixed Concrete-Volumetric Method, Slump of Fresh Portland Cement Concrete, Temperature of Freshly Mixed Portland Cement Concrete City of Newport Beach Deputy Inspector City of Garden Grove Deputy Inspector City of Long Beach Deputy Inspector City of Riverside Deputy Inspector Radiation Safety and Use of Nuclear Gage ACI Concrete Field Testing Technician TWIC Card

Note: Certificates are available upon request.



Appendix A Resumes



Orange County
17782 Georgetown Lane
Huntington Beach, California 92647
Tele: (714) 375-3830
Fax: (714) 375-3831

San Bernardino County
14163 Arrow Boulevard
Fontana, California 92335
Tele: (909) 284-9200
Fax: (909) 284-9201

Adam Chamaa

Engineering Manager, M.S.C.E., P.E., G.E.

Registered civil and geotechnical engineer with over 25 years of experience as geotechnical quality control/quality assurance (QC/QA) manager. Responsible for engineering for new construction, foundation, testing of concrete foundations and roadway surfaces during and after installation; design of de-watering systems; assessment of soil-related environmental contamination. Provided geotechnical design recommendations for new construction for municipal, governmental and commercial projects throughout California.

Specific Project Experience

Geotechnical and foundation studies for retaining walls, widening of 14 bridges and over 40 new soundwalls for Interstate Highway 10, 134 Freeway, 210 Freeway, 405 Freeway and 170 Freeway in Los Angeles and Orange Counties for Caltrans and MTA.

QC/QA manager for the Quality Control/Quality Assurance and construction inspection and testing for the replacement of the Gerald Desmond Bridge in the Port of Long Beach. The new bridge will be a cable-stayed structure with a total length of approximately 2,000 feet, with a main span opening across the Port of Long Beach's back channel of approximately 1,000 feet, tower to tower and approximately 500-foot backspans between the towers and the approach structures at the each end of the bridge. The west and east approach structures will each be about 3,000 feet in length. The bridge will include three lanes in each direction, inside and outside shoulders in each direction, reconstruction of the existing horseshoe interchange ramp connectors, and reconstruction of the existing connectors to State Route 710 freeway and two ramp connections to Pico Avenue. Testing and inspection will be performed for concrete, rebar, couplers, asphaltic concrete, welding, soil, compaction, base, foundation, paint and batch plant inspection.

QC/QA Manager for materials testing and inspection during the widening of the 91 Freeway through Orange and Riverside Counties. The widening project includes the construction of new lanes on the east and westbound sides, new retaining walls, bridges, slope stability of cuts, rock exploration, etc. The testing and inspection services included a review of the concrete mix designs, concrete testing and inspection, concrete batch plant inspection, pile inspection and logging, rebar inspection, aggregate testing, welding inspection, subgrade testing and inspection, base material evaluation and testing, compaction testing and inspection, and asphaltic concrete testing.

Education:

*M.S. Civil Engineering,
Geotechnical and
Highway Design;
Louisiana Technical
University, Ruston, LA,
1985.*

*B.S., Civil Engineering,
Louisiana Technical
University, Ruston,
Louisiana, 1982*

Registrations:

*California No. C53992
(Civil)
California No. C2784
(Geotechnical)
Nevada No. 022245
(Civil)*



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Prepared the QC/QA manual and supervised materials testing and inspection during construction of a new railroad grade separation for the Alameda Corridor, Temple Avenue 4th Track Improvements in Pomona. The project included railroad bridges, retaining walls, depressed roadways, utility relocations, roadway bridges, channel walls and drainage ditches.

QC/QA manager for the inspection and mix design alternatives and recommendations for the Portland Cement Concrete (PCC) and Lean Concrete Base for the widening and overall improvement of the 22 Freeway for Orange County Transit Authority (OCTA) and Caltrans. Worked with the design team and the contractor to qualify construction materials such as aggregate, cement, mix designs, etc.

Supervised the geotechnical investigation for a gas to energy facility at the Calabasas landfill in the County of Los Angeles. The facilities included the installation of gas turbines mounted on concrete slabs, a combustion turbine generator, a compressor pre-treatment system, chilled water systems, polishing systems, compressed air systems, a step-up transformer, switch gears, auxiliary transformers, a main building and control room, trenching and piping, retaining walls, and miscellaneous structures. New access roads were also constructed. The investigation included drilling eleven borings to a maximum depth of 50 feet. The soils were found to have a moderate hydrocollapse potential and recommendations for mitigation included mat foundations. Slope stability analysis was performed for the existing slopes. Parameters for shoring were also provided. Asphaltic concrete and concrete pavement recommendations were provided as well as recommendations for subgrade preparation.

Supervised and reviewed the geotechnical recommendations for foundation design for the proposed Calico Solar Plant Access Bridge in San Bernardino County bridge structure and retaining walls for the BNSF railroad. Preliminary geotechnical recommendations including pile load design data for caissons, driven piles, tip-bearing piles, and friction piles, as well as lateral loads were provided. A review of existing geotechnical and seismic data was conducted for projects in the vicinity.

Supervised the inspection and testing program for construction of the Intermodal Facility at the Puente Hills Landfill, County of Los Angeles, where waste will change from being transported by trucks to trains prior to disposal at the Mesquite Landfill in Brawley, California. The project included the construction of a new roadway corridor constructed in a trench, a new pump station placed 40 feet below finished grade, a new administration building, a new maintenance building with a below grade basement, and a 144 foot long storm drain. Prefabricated welding inspection was conducted at the fabrication shop in Utah. The concrete mix design was reviewed. Inspection and testing consisted of continuous welding inspection, rebar inspection and testing, concrete quality inspection and testing, foundation inspection, fill testing services,



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pavement design and inspection services, grout inspection, masonry inspection, and other related construction inspection activities.



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Debra Perez

Project Manager

Debra Perez has been a project manager for various geotechnical and environmental engineering projects for over 30 years. Ms. Perez has been project manager for a variety of projects including construction of new above ground oil storage tanks for ARCO, City of Lynwood Senior Center, new natural gas pipelines and steam generating facilities for Southern California Edison, several freeway and road projects including new embankment fills, new bridges, pavement design and survey of existing road conditions, and new telecommunications facilities throughout California. Ms. Perez' experience includes hazardous waste investigations, supervision of the soils laboratory and preparing reports for compaction, preliminary soil investigation, distress investigation, and slope repair projects.

Education:

*Civil Engineering,
Graduate Studies
Program,
California State
University, Long Beach,
California*

*B. S., Renewable
Natural Resources,
University of
California, Davis, 1978*

Specific Project Experience

Project manager for the geotechnical investigation for new soundwalls on the 210 Freeway in Los Angeles County. The project included logging and classification of soil borings, laboratory testing and foundation design recommendations for new bridge and retaining structures and soundwalls. A geologic seismic hazards screening was also performed. Research was conducted on existing geotechnical and geologic reports.

Project manager for the geotechnical investigation for a gas to energy facility at the Calabasas landfill in the County of Los Angeles. The facilities included the installation of gas turbines mounted on concrete slabs, a combustion turbine generator, a compressor pre-treatment system, chilled water systems, polishing systems, compressed air systems, a step-up transformer, switch gears, auxiliary transformers, a main building and control room, trenching and piping, retaining walls, and miscellaneous structures. New access roads were also constructed. The investigation included drilling eleven borings to a maximum depth of 50 feet. The soils were found to have a moderate hydrocollapse potential and recommendations for mitigation included mat foundations. Slope stability analysis was performed for the existing slopes. Parameters for shoring were also provided. Asphaltic concrete and concrete pavement recommendations were provided as well as recommendations for subgrade preparation.

Project manager for geotechnical recommendations for foundation design for the proposed Calico Solar Plant Access Bridge in San Bernardino County bridge structure and retaining walls for the BNSF railroad. Preliminary geotechnical recommendations including pile load design data for caissons, driven piles, tip-bearing piles, and friction piles, as well as lateral loads were provided. A review of existing geotechnical and seismic data was conducted for projects in the vicinity.



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Project manager for construction of the gas to energy facility at the Chiquita Canyon landfill in Santa Clarita. The facilities included the installation of gas turbines mounted on concrete slabs, a combustion turbine generator, chilled water systems, polishing systems, compressed air systems, a step-up transformer, switch gears, auxillary transformers, a main building and control room, trenching and piping, retaining walls, and miscellaneous structures. New access roads were also constructed. AESCO also constructed a geotechnical investigation to perform slope stability of the existing slopes. The investigation included drilling a total of three borings through trash to a maximum depth of 50 feet. Geologic mapping of the new slope keyway was performed and recommendations were provided for the bottom of the keyway and benching during construction. Lateral loads were provided for retaining walls along with recommendations for backdrains and wall backfill. Recommendations were provided for mitigation of landslides which occurred during construction. Services included fill inspection/testing (fill acceptance, compaction tests, classification tests), foundation inspections and testing, pile inspection and logging to verify extension into competent bedrock, concrete, slope backfill, retaining wall backfill. Recommendations for the placement of concrete slurry were provided during construction to mitigate standing water in the bottom of the excavations due to heavy rains.

Project manager for the geotechnical investigation and materials testing and inspection services for the widening of the Eastbound SR-91 Freeway On-Ramp at Beach Boulevard, in the City of Buena Park, a Caltrans oversight project. The on-ramp was upgraded from a single mixed-flow lane to a double mixed-flow lane. Testing and inspections were performed for retaining wall foundations, storm drains, concrete, and asphalt. Geotechnical engineering included logging and classification of soils borings, laboratory testing, review of existing reports, review of testing for the presence of hydrocarbons, and review of testing for the presence of aerially deposited lead. Recommendations were provided for new retaining wall foundations, new pavement, embankment fill, and treatment of existing soil during construction.

Project manager for the Alameda Corridor, Temple Avenue 4th Track Improvements new railroad grade separation. The project included railroad bridges, retaining walls, depressed roadways, utility relocations, roadway bridges, channel wall improvements, culverts, and drainage ditches in the City of Pomona. The testing and inspection serviced included a review of the concrete mix designs, concrete testing and inspection, concrete batch plant inspection, pile inspection and logging, rebar inspection, aggregate testing, welding inspection, subgrade testing and inspection, base material evaluation and testing, and asphaltic concrete testing.

Project Manager for the United States Army Reserve Center Modifications in Los Alamitos. The project consisted of a geotechnical investigation for a new two-story, approximately 32,067 training building; a single-story storage structure; a single-story organization maintenance shop;



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and parking improvements for private vehicles and military equipment. The investigation included drilling a total of thirty-one borings to a total depth of 50 feet. Liquefaction analysis, settlement calculations and site specific seismic analysis were performed. Recommendations for lateral loads, bearing pressures for shallow foundations, deepened foundations including precast piles, and seismic design were provided. Recommendations were also made for mitigating the high groundwater conditions and the high potential for liquefaction by wrapping the bottom and sides of shallow foundations in geotextile fabric. Lateral loads were provided for retaining walls along with recommendations for backdrains, wall backfill and erosion control. Agronomic testing was conducted and recommendations were provided for mitigation of the poor soil as a growth medium. Asphaltic concrete and concrete pavement recommendations were provided as well as recommendations for subgrade preparation. Crushed aggregate pavement design recommendations were also provided for a four acre MEP lot. Recommendations were provided during construction to bridge over weak soil and wet conditions through the use of lime stabilization or geotextiles.



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Russell Scharlin

Senior Geotechnical Engineer and Quality Control Manager

Russell Scharlin is a senior engineer with over 30 years of experience in civil engineering and geotechnical engineering. Primary responsibilities include performing all aspects of construction management, geotechnical engineering and environmental studies. Mr. Scharlin has provided design and construction management services related to pavements and foundations for numerous structures, bridges, freeways, tanks, communication towers and other structures.

Specific Project Experience

Project engineer for the replacement of the Gerald Desmond Bridge in the Port of Long Beach. Testing and inspection will be performed for concrete, rebar, couplers, asphaltic concrete, welding, soil, compaction, base, foundation, paint and batch plant inspection.

Project Engineer and Quality Control Manager for the Sand Canyon Grade Separation project in Irvine for OCTA. Prepared the Contractor Quality Control Plan and is supervising the construction which includes a railroad shoo-fly and new railroad bridge and CIDH foundations, retaining walls and foundation construction, shoring, pavement, utility installation, a pump station and building construction.

Project Engineer and Quality Control Manager for the seismic retrofit of the bridge structure located at the John Wayne Airport in Santa Ana, CA. Prepared the Construction Quality Control Plan and the Welding Quality Control Plan. The project consists of installation of 64 steel column casings at select concrete column locations, enlargement of selected foundation pile caps, installation of new expansion joints at terminal vehicle ramps and walkways, detensioning and retensioning of slab tendons and miscellaneous pavement and sidewalk improvements.

Project Engineer for the construction materials testing and inspection services for the widening of the Eastbound SR-91 Freeway On-Ramp at Beach Boulevard, in the City of Buena Park. This was a Caltrans oversight project. The on-ramp was being upgraded from a single mixed-flow lane to a double mixed-flow lane. Testing and inspections were performed for retaining wall foundations, storm drains, concrete, and asphalt. Mr. Sharlin also reviewed the concrete mix design. Geotechnical engineering was also performed for this project including, logging and classification of soils borings, laboratory testing, reviewed existing reports, reviewed testing for the presence of hydrocarbons, reviewed testing for the presence of aerially deposited lead.

Education:

*M.S., Civil Engineering
(Geotechnical),
University of California
at Davis*

*B.S., Civil Engineering,
University of California
at Davis*

*40-hour Health and
Safety Training*

Registrations:

*Geotechnical Engineer,
State of California
Civil Engineer, State of
California
(Mr. Scharlin is also
registered in several
other states.)*



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Recommendations were provided for new retaining wall foundations, new pavement, embankment fill, and treatment of existing soil during construction.

Supervised the inspection and testing program for construction of the Intermodal Facility at the

Project Engineer for the Intermodal Facility at the Puente Hills Landfill, County of Los Angeles, where waste will change from being transported by trucks to trains prior to disposal at the Mesquite Landfill in Brawley, California. The project included the construction of a new roadway corridor constructed in a trench, a new pump station placed 40 feet below finished grade, a new administration building, a new maintenance building with a below grade basement, and a 144 foot long storm drain. Prefabricated welding inspection was conducted at the fabrication shop in Utah. The concrete mix design was reviewed. Inspection and testing consisted of continuous welding inspection, rebar inspection and testing, concrete quality inspection and testing, foundation inspection, fill testing services, pavement design and inspection services, grout inspection, masonry inspection, and other related construction inspection activities.

COAST SURVEYING PROPOSAL

Katie Neubauer

From: Katie Neubauer
Sent: Wednesday, March 11, 2015 4:02 PM
To: 'Ruel del Castillo'
Subject: Subconsultant Request - City of MB On-Call Utility Design
Attachments: On-Call Utility Consultant Services with Federal Requirements AS POSTED.pdf

Good Afternoon Ruel,

AKM is proposing on the City of Manhattan Beach On-Call Utility Design project. We have sent out to your company a letter or request through Compliance News on 3-6-2015. This is a follow-up email to see if Coast Surveying is interested in teaming with us for Surveying services on this project. If so please let me know as soon as possible. This SOQ is due Monday.

If we could get the following by Friday around noon that would be wonderful.

Signed Letter from Advertisement (PDF is great)

Letter of interest

Certifications (sbe/dbe, etc...)

Firm profile

Resumes of key team members (with number of years at the firm and total number of years of experience)

Relevant Project Experience (3 projects with references and dates)

Rate Schedule

Any questions please feel free to contact Zeki Kayiran at 949-753-7333. Thank you very much!

Katie Neubauer

Senior Administrative Associate

Human Resources Associate

AKM Consulting Engineers

553 Wald, Irvine, CA 92618

949-753-7333

www.akmce.com

Katie Neubauer

From: Ruel del Castillo <Ruel.delCastillo@coastsurvey.com>
Sent: Friday, March 13, 2015 8:36 AM
To: Katie Neubauer
Subject: RE: Subconsultant Request - City of MB On-Call Utility Design
Attachments: 2019-02-17 Metro DBE.pdf; Caltrans HQ I-405 Widening Project.doc; City of Carson Wilimington I-405 Interchange.doc; City of Indio SR-111.doc; City of Murrietta I-215 at Clinton Keith.doc; Commitment Letter.doc; Company Profile2.doc; Gwen del Castillo.doc; Hourly Rates 2015.pdf; Kenneth Kasbohm.doc; Ruel del Castillo.doc; Commitment Letter.pdf

Katie:

Data attached, except...see below.

From: Katie Neubauer [mailto:kneubauer@akmce.com]
Sent: Wednesday, March 11, 2015 4:02 PM
To: Ruel del Castillo
Subject: Subconsultant Request - City of MB On-Call Utility Design

Good Afternoon Ruel,

AKM is proposing on the City of Manhattan Beach On-Call Utility Design project. We have sent out to your company a letter or request through Compliance News on 3-6-2015. This is a follow-up email to see if Coast Surveying is interested in teaming with us for Surveying services on this project. If so please let me know as soon as possible. This SOQ is due Monday.

If we could get the following by Friday around noon that would be wonderful.

Signed Letter from Advertisement (PDF is great) **I don't know what this is.**

Letter of interest – **Attached.**

Certifications (sbe/dbe, etc...) – **Attached.**

Firm profile – **Attached.**

Resumes of key team members (with number of years at the firm and total number of years of experience) – **Attached.**

Relevant Project Experience (3 projects with references and dates) – **Attached.**

Rate Schedule – **Attached.**

Any questions please feel free to contact Zeki Kayiran at 949-753-7333. Thank you very much!

Katie Neubauer

Senior Administrative Associate
Human Resources Associate

AKM Consulting Engineers
553 Wald, Irvine, CA 92618
949-753-7333
www.akmce.com

COAST SURVEYING, INC.

15031 PARKWAY LOOP, SUITE B, TUSTIN, CA 92780-6527 (714) 918-6266 FAX (714) 918-6277
www.coastsurvey.com

March 13, 2015

AKM Consulting Engineers
553 Wald
Irvine, CA 92618

Subject: Letter of Commitment for City of Manhattan Beach On-Call Utility Engineering,
RFP No. 1030-15.

Coast Surveying, Inc. is pleased to join the AKM Team for the above noted project. We are committed to the AKM Team to provide Professional Surveying Services.

Key personnel will be available to the extent proposed for the duration of the project.

We appreciate your interest in Coast Surveying, Inc. and look forward to working with AKM on this contract.

Sincerely,

A handwritten signature in blue ink, reading "Ruel del Castillo". The signature is fluid and cursive, with a long horizontal stroke extending from the end of the name.

Ruel del Castillo, PLS 4212
President
P115-022



Metro

Los Angeles County
Metropolitan Transportation Authority

One Gateway Plaza
Los Angeles, CA 90012-2952

213.922.2000 Tel
metro.net

CALIFORNIA UNIFIED CERTIFICATION PROGRAM



February 17, 2014

**CUCP #2128
Metro File # 287**

Mr. Ruel del Castillo
Coast Surveying, Inc.
15031 Parkway Loop, Ste. #B
Tustin, California 92780

RE: Disadvantaged Business Enterprise Certification

Dear Mr. Ruel del Castillo:

We are pleased to advise you that after careful review of your application and supporting documentation, the Los Angeles County Metropolitan Transportation Authority (Metro) has determined that your firm meets the eligibility standards to be certified as a Disadvantaged Business Enterprise (DBE) as required under the U.S. Department of Transportation (U.S. DOT) Regulation 49 CFR Part 26, as amended. This certification will be recognized by all of the U.S. DOT recipients in California. Your firm will be listed in the California Unified Certification Program (CUCP) database of certified DBEs under the following specific areas of expertise that you have identified on the NAICS codes form of the application package:

NAICS (2007)	Description
541370	Surveying and Mapping (except Geophysical) Services

Your DBE certification applies only for the above codes. You may review your firm's information in the CUCP DBE database which can be accessed at the CUCP's website at www.californiaucp.org. Any additions and revisions must be submitted to Metro for review and approval.

In order to ensure your continued DBE status, you are required to submit an annual No Change Declaration Form (which will be sent to you) along with supporting documentation. If no changes are noted, then your DBE status remains current. If there are changes, Metro will review to determine continued DBE eligibility. Please note, your DBE status remains in effect unless Metro notifies you otherwise.

Should any changes occur that could affect your certification status prior to receipt of the No Change Declaration Form, such as changes in your firm's name, business/ mailing address, ownership, management or control, or failure to meet the applicable business size standards or personal net worth standard, please notify Metro immediately. Failure to submit forms and/or change of information will be deemed a failure to cooperate under Section 26.109 of the Regulations.

Metro reserves the right to withdraw this certification if at any time it is determined that it was knowingly obtained by false, misleading, or incorrect information. Your DBE certification is subject to review at any time. The firm thereby consents to the examination of its books, records and documents by Metro.

Congratulations, and thank you for your interest in the DBE program. Should you have any questions, please contact us at [213-922-2600](tel:213-922-2600). For information on Metro contracting opportunities, please visit our website at www.metro.net.

Sincerely,

Marilyn White
Certification Consultant – HSW Services
Diversity & Economic Opportunity Department

F:\Coast Surveying, Inc.-File # 287 - DBE Approval Letter - Marilyn-7.doc

COAST SURVEYING, INC.

15031 PARKWAY LOOP, SUITE B, TUSTIN, CA 92780-6527 (714) 918-6266 FAX (714) 918-6277
www.coastsurvey.com

COMPANY PROFILE

Coast Surveying, Inc., a California Corporation, was founded in 1981. Coast specializes in surveying, mapping, aerial photogrammetry and Right-of-Way mapping. Approximately 98% of our work is performed for public agencies, including: Caltrans - Districts 5, 6, 7, 8, 9, 11 and 12; METRO; NAVFAC; OCTA; RCTC; SCRRA; SCAG; TCA; MWD; U.S. Army Corp of Engineers; U.S. Navy; WBMWD; numerous cities; water districts; and the Counties of Orange and Los Angeles. Coast has built a solid reputation by consistently performing quality services, responding immediately to client requests and delivering projects on schedule and within budget. **The satisfaction of our clients is evidenced by the fact that 85% of our work is from previous clients.** Coast Surveying, Inc. is a Certified DBE/SBE/MBE firm. Coast Surveying, Inc. is a financially stable company with 12 employees of which 4 are highly qualified licensed surveyors.

CONTACT PERSON

Ruel del Castillo, PLS 4212 - Survey Manager

Coast Surveying, Inc. was hired by HNTB, under their contract with Caltrans Headquarters Structures (District 43), to perform survey and right of way services related to engineering design for freeway and bridge widenings, and retaining walls on I-405. Work consisted of locating various bridge details such as columns, piers, abutments, approach slabs, edge of deck, and underlying roadways and utilities. Also located edge of shoulder, edge of pavement, barrier walls, slopes, flood control channel, retaining walls, on ramps and off ramps, laid out proposed retaining walls, deliverables in CAiCE and MicroStation format, \$49K in fees.

Client

CalTrans HQ Structures

Location:

Los Angeles, CA

Date of Work

2007

Project Features:

- Right of Way Surveying and Mapping
- Design Surveys
- Deliverables in Caice and MicroStation format

Project Involvement:

- Ruel del Castillo, PLS, Survey Manager
- Gwen del Castillo, PLS, Project Surveyor
- Ken Kasbohm, PLS, Project Surveyor

Reference

Y. Nien Wang, PE
HNTB
(714) 460-1650



Coast Surveying, Inc. was hired by AECOM, under their contract with the City of Murrieta, to perform survey and right of way services related to final engineering design of a new replacement bridge structure, on & off ramp realignment, and roadway approaches for interchange of realigned Clinton Keith Road and SR-215 Freeway.

Work consisted of Caltrans Encroachment Permit, survey and right of way research, horizontal and vertical control – tying into Caltrans control using GPS and digital levels, recovering existing centerline offset monumentation on SR-215, coordinating with a local developer's surveyor who prepared the aerial mapping for this project, tying into centerline and boundary monuments representing the existing land net, computed land net property lines and existing R/W lines, design surveys on SR-215 on both shoulders and median, design surveys on all four ramps and gore areas, and design surveys on Clinton Keith Road. Deliveries in MicroStation.

Work also consists of preparing legal descriptions and sketches for fee, slope easement, and TCE property acquisition by the City of Murrieta, which will then be transferred to Caltrans. Also preparing Caltrans Right of Way mapping for the new interchange. Design and right of way work should be completed in 2009, \$110K.

Client

City of Murrieta, CA

Location:

Murrieta, CA

Date of Work

2009

Project Features:

- H&V Control
- Design, Centerline
- Land Net Surveys
- R/W Mapping

Project Involvement:

- Ruel del Castillo, PLS, Survey Manager
- Gwen del Castillo, PLS, Project Surveyor
- Ken Kasbohm, PLS, Project Surveyor

Reference

Roger Cunliffe-Owen, PE
City of Murrieta, CA
(951) 461-6001



Coast Surveying, Inc. was hired by Lim and Nascimento Engineering Corporation, under their contract with the City of Indio, to perform survey and right of way services related to final engineering design of Highway 111 Improvements on SR-111 from Jefferson Street to I-10 Freeway.

Work consisted of survey and right of way research, photo control, aerial mapping to Caltrans Standards, design surveys, centerline monument recovery and centerline analysis, centerline ties, Corner Records, right of way delineation, locate potholes, and prepare legal descriptions and sketches, deliverables in MicroStation format, \$88K.

Client

City of Indio

Location:

Indio, CA

Completion Date

2008

Project Features:

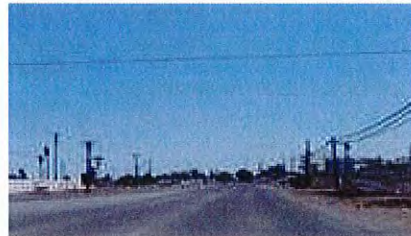
- Photo Control
- Aerial Mapping
- R/W Delineation
- Centerline Survey

Project Involvement:

- Ruel del Castillo, PLS, Survey Manager
- Gwen del Castillo, PLS, Project Surveyor
- Ken Kasbohm, PLS, Project Surveyor

Reference

Tom Rafferty, PE
City of Indio
(760) 391-4017 x 4270



Coast Surveying, Inc. was hired by Parsons Transportation Group, under their contract with the City of Carson, to perform survey and right of way services related to final engineering design of a new NB on-ramp, redesign of SB on-ramp and SB on-ramp, widening of Wilmington Avenue north and south of the freeway, at Wilmington Avenue/223rd Street/Dominguez channel intersection, and other related improvements.

Work consisted of survey and right of way research, horizontal and vertical control – tying into Caltrans control using GPS and digital levels, photo control, aerial mapping per Caltrans standards, recovering existing centerline monumentation, tying into centerline monuments, right of way delineation, design surveys on I-405 on both shoulders, design surveys on SB on & off ramps, and design surveys on Wilmington Avenue. Deliveries in MicroStation format, \$98K.

Client

City of Carson, CA

Location:

Carson, CA

Completion Date

2008

Project Features:

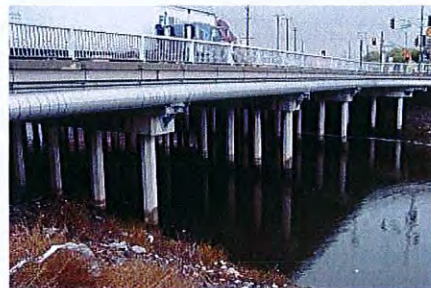
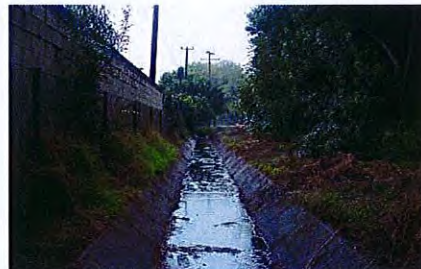
- Photo Control
- Aerial Mapping
- R/W Delineation
- Centerline Design Survey

Project Involvement:

- Ruel del Castillo, PLS, Survey Manager
- Gwen del Castillo, PLS, Project Surveyor
- Ken Kasbohm, PLS, Project Surveyor

Reference

Carlos Cadena, PE
CalTrans District 7
(949) 263-9322
Fax (949) 263-1225
carlos.cadena@parsons.com



Ms. del Castillo has 38 years of surveying experience in Southern California. She is a licensed as a Land Surveyor in California since 1982 and has an AA degree in surveying from Santa Rosa College. Ms. del Castillo has extensive experience in boundary analysis, preparation and checking of legal descriptions and maps, checking of final subdivision maps and Records of Surveys, research, providing quality assurance and quality control. Ms. del Castillo has extensive experience in field note reduction, calculations, preparation of as-built plans, and GIS database setup, input, review, analysis and output.

EDUCATION

- AA Degree in Land Surveying at Santa Rosa College, 1976
- Land Surveying at Santa Ana College, 1982

KEY EXPERIENCE

- 38 year of experience in surveying of which 31 years have been with Coast Surveying, Inc.
- Extensive background in Right-of-Way and boundary analysis
- Exceptional in the QA/QC process
- Proven ability to work cooperatively with agencies, railroads, engineers, contractors, utilities and the public

LICENSES/REGISTRATIONS

- PLS # 5108 / California

CURRENT LOCATION

- Tustin

AVAILABILITY TO THIS PROJECT

- 15%

LEVEL OF COMMITMENT TO CURRENT ASSIGNMENTS

- 80%

EXPERIENCE

California State Prison at Corcoran II, as Project Surveyor. Site Engineering Services contract awarded to Holmes & Narver, Inc. (currently AECOM) for the new expansion of Corcoran State Prison. Coast's Scope of work included aerial mapping, photo control, horizontal and vertical control, boundary surveys, Record of Survey, legal descriptions, and design surveys.

Interstate 5 / State Route 55 Interchange, as Project Surveyor. Provided surveys for RBF & Associates in support of their multi-million dollar, Caltrans 12 highway construction project. Control surveys and Right-of-Way surveys performed included:

- GPS survey of primary control and prepared metric Record of Survey
- Post-construction Survey Control and Survey Control Maps
- Right-of-Way Survey and Record of Survey

San Joaquin Hills Transportation Corridor, as Project Surveyor. Coast Surveying, Inc. was retained from 1992/1999 by the Transportation Corridor Agencies (TCA) to provide professional land surveying and Right-of-Way services for the San Joaquin Hills Transportation Corridor, State Route 73 Toll Road. Mrs. del Castillo was in charge of the Right-of-Way which consisted of:

- Preparation and review of legal descriptions, acreage calculations and exhibits.
- Preparation and revision of constraints maps.
- Review of preliminary title reports.
- Providing fee credit acreage calculations and exhibit maps.
- Reviewing final policies of title and policy binders.
- Preparation of utility easements

SR-47 Freeway / Ocean Blvd to SR-103 (1 mile), as Project Surveyor. Coast Surveying, Inc. was retained in 2008 for CalTrans HQ Structures through HNTB to provide Construction Management Survey Support Services, including locating the design survey of the roadways, utilities, bridge structure and details. Work also involved hydrographic surveys of the Cerritos Channel.

Mr. Kasbohm has over 37 years of surveying experience in the field and office performing all types of surveying including vertical and horizontal control, photo control, GPS surveys, topographic surveys, design surveys, boundary surveys, right of way surveys and construction layout. Mr. Kasbohm is a Professional Land Surveyor in California, a Certified Party Chief and Hazmat trained since 1986.

KEY EXPERIENCE

- Proven ability to manage large survey projects
- 37 years of experience in surveying of which 25 years have been with Coast
- Exceptional experience with horizontal and vertical project control
- Strong experience in Right-of-Way and boundary analysis and construction staking
- Proven ability to work cooperatively with agencies, railroads, engineers, contractors, utilities and the public

LICENSES/REGISTRATIONS

- PLS #7371 / California
- Licensed Surveyor Party Chief
- Union Local 12
- Hazardous Material Training per OSHA 29 CFR 1901.120
- SCRRRA Roadway Worker Certification

EDUCATION

- Certificate in Civil Engineering Technology, North Dakota State School of Science, 1976
- Major course work in Land Surveying, Santa Ana College, CA 2000

CURRENT LOCATION

- Tustin

AVAILABILITY TO THIS PROJECT

- 15%

EXPERIENCE

SCRRRA Orange County Service Expansion (60 Miles) & Grade Crossings thru J.L. Patterson & Assoc., as Project Surveyor. Coast has and is providing surveying and mapping services under J. L. Patterson & Associates for SCRRRA. This project begins at Fullerton Station and continues southerly miles to the San Diego County line, Fullerton to Atwood to Orange and various railroad yards. Work performed included establishing control monuments every 5 miles, and photo control targets, aerial mapping, DTM and digital orthographic photography covering a 600-foot wide swath along the entire project length. Detailed topographic surveys were made under all over crossing structures and areas of proposed RR yards and maintenance facilities. Precise H & V location data along the track was obtained and horizontal alignment determined in areas of concern. On 53 grade crossings, performed work included construction control, topographic surveys, title reports and legal descriptions. Right-of-Way/Boundary surveys were also performed. \$834K in fees. Reference: Tom Tappan, PE, VP of Rail, J.L. Patterson & Assoc. (562) 712-6127. All work is completed on-time and on-budget.

Milliken Avenue Grade Separation at UPRR/Metrolink/Mission Boulevard in Ontario for the City of Ontario through Moffatt & Nichol, as Project Surveyor. Coast Surveying performed survey research, photo control, aerial photogrammetric mapping, design surveys, centerline surveys, and right of way delineation. \$78K in fees. Reference: Keith Gillfillan, PE, Transportation Group Mgr, Moffatt & Nichol (562) 426-9551. All work is completed on-time and on-budget.

On-Call Surveying Services for the City of Santa Ana, as Project Surveyor. Work consisted of various on-call surveying services, including performing survey research, surveying, setting monuments and filing corner records. \$43K in fees. Reference: John Gonzales, Public Works, City of Santa Ana (714) 647-5033, (JMGonzales@santa-ana.org). All work is completed on-time and on-budget.

Mr. del Castillo has over 50 years of experience in managing both field and office operations for all phases of surveying and mapping services. He has managed 30 "On-Call" contracts directly for the support of many federal, state, and local agencies. These contracts include the Counties of Los Angeles and Orange, the U.S. Forest Service, various U.S. Army Corps of Engineer Districts, the U.S. Navy – Southwest Division, and the Los Angeles County Metropolitan Water District (MWD).

He has a "hands-on" working knowledge of various land surveying services, including Right-of-Way and boundary surveys and analysis, GPS surveys, topographic surveys, utility location surveys, large-scale aerial, and geodetic control and monitoring quantities. While working directly for the County of Orange, Mr. del Castillo was responsible for all boundary surveys, first order / second order vertical and horizontal control surveys, photogrammetric mapping, control surveys and centerline surveys.

KEY EXPERIENCE

- Certified Federal Surveyor and Professional Land Surveyor in eight states
- 50 year experience in surveying and mapping
- Founder and Principal-in-Charge 33 years at Coast Surveying
- Proven ability to manage large survey projects
- Extensive experience in Right-of-Way and Boundary analysis

LICENSES/REGISTRATIONS

- Certified Federal Surveyor CFedS #1088 (All States Listed)
- PLS #4212 / California
- RLS #11844 / Arizona
- PLS #4713 / Nevada
- PLS #3668 / Idaho
- PLS #7249 / New Mexico
- PLS #22480 / Washington
- PLS #25939 / Colorado
- PLS # 4730903 / Utah
- SCRRRA/UPRR/ACE Roadway Worker Certification

EDUCATION

- Certificate in Public Service Admin
Santa Ana College, CA 1974
- Major course work in Business Admin & Land Surveying, Santa Ana College, CA 1973

AVAILABILITY TO THIS PROJECT

- 15%

EXPERIENCE

SCRRRA on Orange County Service Expansion (60 Miles) & Grade Crossings thru J.L. Patterson & Assoc., as Survey Manager. Work performed included establishing control monuments every 5 miles, and photo control targets, aerial mapping, DTM and digital orthographic photography covering a 600-foot wide swath along the entire project length. Detailed topographic surveys were made under all over crossing structures and areas of proposed RR yards and maintenance facilities. Precise H & V location data along the track was obtained and horizontal alignment determined in areas of concern. On 53 grade crossings, performed work included construction control, topographic surveys, title reports and legal descriptions. Right-of-Way/Boundary surveys were also performed. All work completed on-time and on-budget.

Metro, Major Projects as Survey Manager on:

Airport Metro Connector through Connect LAX through Connect LAX (PB and STV Joint Venture). The project is 3,500 acres of very complex and busy LAX. Work consisted of performing design surveys, aerial mapping, and Right-of-Way mapping. \$374K in fees. Project is on-going.

Downtown Los Angeles Streetcar Restoration through HDR, Inc. The project is 3.8 miles long in the very dense and complex area of Downtown LA. Due to the hundreds of high rise buildings, Coast worked out an innovative flight plan to produce an extremely excellent aerial mapping product. Work consisted of performing control network, design surveys, aerial mapping, and Right-of-Way mapping. \$105K in fees. Project is on-going.

Interstate 710 North Segment Utility Study, LA County through HDR, Inc. The project is 8 miles long. Work consisted of performing design surveys, aerial mapping, and Right-of-Way mapping. \$160K in fees. Project is on-going.

**TRAFFIC CONTROL ENGINEERING
PROPOSAL**



TRAFFIC CONTROL ENGINEERING, INC.

March 13, 2015

Mr. Zeki Kayiran
AKM
553 Wald
Irvine, Ca 92618

**Re: Qualifications to Provide Traffic Control Engineering Consulting Services
On-Call Utility Design Services
City of Manhattan Beach, Ca.**

This letter is to confirm the interest of Traffic Control Engineering to participate with the AKM team for the above on-call design services mentioned above.

Our primary role for the project will be to provide traffic control engineering services as needed to complete the scope of work. We understand that our level of participation will depend on the task orders issued.

We are excited to be part of your team and look forward to working with AKM in the near future.

Sincerely,

David Kuan

President, Traffic Control Engineering

**CALIFORNIA UNIFIED CERTIFICATION PROGRAM
DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATE**

TRAFFIC CONTROL ENGINEERING, INC.

231 E. IMPERIAL HWY., SUITE #241
FULLERTON, CA 92835

Owner: DAVID KUAN
Business Structure: CORPORATION

This certificate acknowledges that said firm is approved by the California Unified Certification Program (CUCP) as a Disadvantaged Business Enterprise (DBE) as defined by the U.S. Department of Transportation (DOT) CFR 49 Part 26, as may be amended, for the following NAICS codes:

NAICS Code(s) * Indicates primary NAICS code

* 541330 Engineering Services

Work Category Code(s)

C8710 ENGINEERING

Licenses

EC Civil Engineer

ET Traffic Engineer

CERTIFYING AGENCY:
CITY OF LOS ANGELES
1149 SOUTH BROADWAY STREET
LOS ANGELES, CA 90015 0000
(213) 847-1922

UCP Firm Number : 4850


CUCP OFFICER

December 1, 2008

**SUPPLIER CLEARINGHOUSE
CERTIFICATE OF ELIGIBILITY**



CERTIFICATE EXPIRATION DATE: 6/28/2013

The Supplier Clearinghouse for the Utility Supplier Diversity Program of the California Public Utilities Commission hereby certifies that it has audited and verified the eligibility of
Traffic Control Engineering, Inc. of Fullerton, CA as a MBE
pursuant to Commission General Order 156, and the terms and conditions stipulated in the Verification Application Package. This Certificate shall be valid only with the Clearinghouse seal affixed hereto.

Eligibility must be maintained at all times, and renewed within 30 days upon any changes of ownership or control. Failure to comply may result in a denial of eligibility. The Clearinghouse may reconsider certification if it is determined that such status was obtained by false, misleading or incorrect information. Decertification may occur if a verification criterion under which eligibility was awarded later becomes invalid due to Commission ruling. The Clearinghouse may request additional information or conduct on-site visits during the term of verification to verify eligibility.

This certification is valid only for the period that the above named firm remains eligible as determined by the Clearinghouse. Utility companies may direct inquiries concerning this Certificate to the Clearinghouse at 800-359-7998 in Los Angeles.

VON: 10CS0094

6/28/2010



TRAFFIC CONTROL ENGINEERING, INC.

Professional Qualifications David Kuan, P.E.

Mr. Kuan is President of the firm Traffic Control Engineering, Inc. which was organized in 1989. Prior to organizing his own consulting firm, he served the City of Orange as the City Transportation Engineer from 1984 to 1989. During his tenure with the City, he conducted a wide variety of traffic and transportation projects, both at local and regional levels. He was directly in charge of developing the City's General Plan Circulation Element as well as a new circulation master plan for a 7100 acre planning area. He later gained new responsibility of serving the City's Transportation Planning Committee, responsible for a broad range of traffic and transportation projects. Mr. Kuan was also the City of Orange's Transportation Demand Management Coordinator, responsible for formulating and implementing traffic reduction measures for the City and major employers in the City. Mr. Kuan has worked on numerous state and federal grants and funding programs, including OTS, HES, OCUTT, FETSIM, AHFP, and FAU. While with the City of Orange, Mr. Kuan had a close working relationship with Caltrans and other governmental transportation agencies including OCTA, Transportation Corridor Agency, etc.. He represented the City working with Caltrans in developing I-5 widening/interchange alternatives, Has also served on the Rt. 55 Car-Pool Lane Technical Advisory Committee. Mr. Kuan's experience and familiarity with various governmental agencies is a valuable asset in providing expedient project approval process.

Prior to 1984, Mr. Kuan was engaged by the firm of PRC Voorhees. During the years he was with that firm, he was responsible for numerous traffic/transportation projects including impact analysis, access studies, parking studies, traffic signal coordination, circulation master plan and general plan throughout Southern California.

Mr. David Kuan holds a Masters Degree in Transportation Engineering from the University of California at Berkeley, is a member of the WATCH committee, served as a Chairperson of Orange County Traffic Engineering Council (OCTEC), a member of the Institute of Transportation Engineers (ITE), and is also registered as a Professional Engineer (Traffic and Civil) in the State of California.

David Kuan has founded this company since 1989 and has provided traffic control design for various public agencies, builders, contractors and special districts for the past 27 years.

RELATED PROJECT (TRAFFIC CONTROL DESIGN)

- Street Resurfacing Project, Ardmore Ave., Valley Dr. and 11th Pl., City of Manhattan
 - Joint Outfall "C" Unit 3G Force Main for LA County Sanitation District in City of Signal Hill
 - Citywide Sanitary sewer Collection System Cleaning, CCTC & Update to the Rehab. and Replacement Program for City of Redondo Beach, Traffic Control Design
 - Newport Force Main Rehabilitation in Newport Beach/Caltrans for OCSD
 - Santa Ana Trunk Sewer Rehab., Sewer Improvement, PCH at Bitter Point for OCSD
 - Dover Dr. Trunk Sewer Relief for Orange County Sanitation District in City of Newport Beach/Caltrans
 - Orange County Water District North Basin Groundwater Protection Project in Orangethorpe Ave. and Stage College Blvd. in Cities of Fullerton and Anaheim
 - Sand Canyon Grade Separation Project in City of Irvine
 - West LA Interceptor Sewer Project on Venice Blvd. in City of LA and Caltrans
 - Alameda Corridor – East San Gabriel Trench Project
- o. Traffic Control Engineering, Inc. has an on-going contract with City of Newport Beach, Costa Mesa Sanitary District, Long Beach Water Department, Los Angeles County Sanitation District, for providing as-needed traffic control design

**ENVIRONMENTAL SUBCONSULTANT
NOT CHOSEN**

Katie Neubauer

From: Molky Brar <molky@assetlaboratories.com>
Sent: Thursday, March 12, 2015 12:27 PM
To: Katie Neubauer
Subject: RE: City of Manhattan Beach RFP# 1030-15-ASSET Labs wants to join your team.

Hi Katie,

We do not provide that service. We only do environmental testing.

Thanks,

Molky

From: Katie Neubauer [mailto:kneubauer@akmce.com]
Sent: Thursday, March 12, 2015 9:28 AM
To: Molky Brar
Subject: RE: City of Manhattan Beach RFP# 1030-15-ASSET Labs wants to join your team.

Molky,

A requirement for the environmental services is not only testing but also CEQA/NEPA. Does your company do this? I didn't see it reference on your website or your company info.

Katie

From: Molky Brar [mailto:molky@assetlaboratories.com]
Sent: Tuesday, March 10, 2015 11:05 AM
To: Katie Neubauer
Subject: City of Manhattan Beach RFP# 1030-15-ASSET Labs wants to join your team.

Attn: Katie Neubauer

Hi Katie,

We would like to team up with your company for this project.

We are an environmental testing laboratory and as a certified DBE, ASSET will be able to provide environmental testing services of soil, hazardous wastes, water and groundwater (for example, Lead, Selenium and other metals, VOCs, SVOCs, TPH Gas, TPH Diesel, TPH Motor Oil, PCBs, Pesticides and others).

I have attached our profile and our DBE certificate for your review.

Please do not hesitate to call me at (562) 219-7435 if you have any questions or need additional information.

I look forward to hearing from you soon.

Thanks,

Molky Brar

Business Development Manager

California: 11060 Artesia Blvd., Ste. C, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436 | M: 562-881-3622

Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 Ext. 406 | F: 702.307.2691 | M: 702.882.3289

www.assetlaboratories.com



ASSET LABORATORIES

ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

ASSET LABORATORIES - Serving Clients with Passion and Professionalism

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Katie Neubauer

From: Molky Brar <molky@assetlaboratories.com>
Sent: Tuesday, March 10, 2015 11:05 AM
To: Katie Neubauer
Subject: City of Manhattan Beach RFP# 1030-15-ASSET Labs wants to join your team.
Attachments: ASSET Profile_2015.pdf; DBE Certification CA CUCP.pdf; DBE Query CUCP_ASSET.pdf

Attn: Katie Neubauer

Hi Katie,

We would like to team up with your company for this project.

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Thanks,

Molky Brar

Business Development Manager

California: 11060 Artesia Blvd., Ste. C, Cerritos, CA 90703 | P: 562.219.7435 | F: 562.219.7436 | M: 562-881-3622

Nevada: 3151 W. Post Road, Las Vegas, NV 89118 | P: 702.307.2659 Ext. 406 | F: 702.307.2691 | M: 702.882.3289

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ASSET LABORATORIES
ANALYTICAL SUPPORT SERVICES FOR ENVIRONMENTAL TECHNOLOGIES

ASSET LABORATORIES - Serving Clients with Passion and Professionalism

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Search Returned 1 Records

Mon Nov 03 17:50:48 PST 2014

Query Criteria

Firm/DBA Name: ASSET Laboratories

Firm Type: DBE

Firm ID	38687
Firm/DBA Name	ASSET LABORATORIES
Address Line1	3151 W POST ROAD
Address Line2	
City	LAS VEGAS
State	NV
Zip Code1	89118
Zip Code2	
Mailing Address Line1	
Mailing Address Line2	
Mailing City	
Mailing State	
Mailing Zip Code1	
Mailing Zip Code2	
Certification Type	DBE
E-Mail	puri@assetlaboratories.com; puri@atl-labs.com
Contact Name	PURIFICACION ROMUALDO
Area Code	(702)
Phone Number	307-2659
Fax Area Code	(702)
Fax Phone Number	307-2691
Agency Name	DEPARTMENT OF TRANSPORTATION
Counties	01; 02; 03; 04; 05; 06; 07; 08; 09; 10; 11; 12; 13; 14; 15; 16; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 29; 30; 31; 32; 33; 34; 35; 36; 37; 38; 39; 40; 41; 42; 43; 44; 45; 46; 47; 48; 49; 50; 51; 52; 53; 54; 55; 56; 57; 58;
Districts	01; 02; 03; 04; 05; 06; 07; 08; 09; 10; 11; 12;
DBE NAICS	541380;
ACDBE NAICS	
Work Codes	18734 LABORATORY TESTING AND ANALYSIS;
Licenses	
Trucks	
Gender	F
Ethnicity	ASIAN PACIFIC
Firm Type	DBE

[Back To Query Form](#)

CALIFORNIA UNIFIED CERTIFICATION PROGRAM DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATE

ADVANCED TECHNOLOGY LABORATORIES INC

3151 W POST ROAD
LAS VEGAS, NV 89118

Owner: PURIFICACION ROMUALDO
Business Structure: CORPORATION

This certificate acknowledges that said firm is approved by the California Unified Certification Program (CUCP) as a Disadvantaged Business Enterprise (DBE) as defined by the U.S. Department of Transportation (DOT) CFR 49 Part 26, as may be amended, for the following NAICS codes:

NAICS Code(s) * Indicates primary NAICS code
* 541380 Testing Laboratories

Work Category Code(s)
I8734 LABORATORY TESTING AND ANALYSIS

Licenses

CERTIFYING AGENCY:

DEPARTMENT OF TRANSPORTATION
1823 14TH STREET
SACRAMENTO, CA 95811 0000
(916) 324-1700

UCP Firm Number : 38687

James Salas
CUCP OFFICER

October 29, 2010

It is CUCP's policy and objective to promote and maintain a level playing field for DBEs in California on Federal-aid contracts. We ensure nondiscrimination in the award and administration of U.S. DOT assisted contracts based on the requirements of 49 CFR Parts 21 and 26.

CALIFORNIA UNIFIED CERTIFICATION PROGRAM (CUCP)



DEPARTMENT OF TRANSPORTATION
OFFICE OF BUSINESS AND ECONOMIC OPPORTUNITY
1823 14th STREET
SACRAMENTO, CA 95811
Phone: (916) 324-1700
Toll Free (866) 810-6346
Fax : (916) 324-1862
TTY: 711

October 26, 2010

Ms. Purificacion Romualdo
Advanced Technology Laboratories Inc.
3151 W. Post Road
Las Vegas, NV 89118

File Number: 38687

Dear Ms. Romualdo:

We are pleased to advise you that after careful review of your application and supporting documentation, the California Department of Transportation (Department) has determined that your firm meets the eligibility standards to be certified as a Disadvantaged Business Enterprise (DBE), as required under the U. S. Department of Transportation (U.S. DOT), Code of Federal Regulation (CFR) 49, Part 26, as amended.

The enclosed DBE certification will be honored by all U. S. DOT recipients in California, and your firm will continue to be listed in the California Unified Certification Program (CUCP) database of certified DBEs under the following specific areas of expertise:

NAICS Category Codes	Description
541380	Testing laboratories

Work Category Codes	Description
18734	Laboratory testing and analysis

Your DBE certification is good for five years from the date of this letter and applies only for the above codes. You may review your firm's information in the CUCP DBE Database, which can be accessed at the California Department of Transportation's website at www.dot.ca.gov/hp/bep/. Any additions and revisions must be submitted to the Department for review and approval. Near the five-year certification period, your entire file will be reviewed in order to ascertain continued DBE certification status. You will be notified of the pending DBE status review and any documentation updates necessary several weeks prior to the renewal due date.

The Regulations also require annual updates during this five-year period. In order to assure continuing DBE status, you must submit annually a No Change Declaration form (which will be sent to you), along with supporting documentation. Based on your annual submission that no change in ownership and control has occurred, or if changes have occurred, they do not affect your firm's DBE standing, the DBE certification of your firm will continue until the five-year certification period.

Also, should any changes occur that could affect your certification status prior to receipt of the DBE Declaration, such as changes in your firm's name, business/ mailing address, ownership, management or control, or failure to meet the applicable business size standards or personal net worth standard, please notify me immediately. DBE certification is subject to review at any time. Failure to submit forms and/or change of information will be deemed as failure to cooperate under Section 26.109 of the Regulations.

You should know that all U. S. DOT recipients in California will honor your DBE certification status if your firm is certified by any one of the CUCP certifying agencies listed below:

- California Department of Transportation (Caltrans)
- Central Contra Costa Transit Authority (CCCTA)
- City of Fresno
- City of Los Angeles
- Los Angeles County Metropolitan Transportation Authority (METRO)
- San Diego County Regional Airport Authority
- San Francisco Bay Area Rapid Transit District (BART)
- San Francisco International Airport
- San Francisco Municipal Transportation Agency (SFMTA)
- San Mateo County Transit District (Sam Trans)/Peninsula Corridor Joint Powers Board (JPB)
- Santa Clara Valley Transportation Authority (VTA)
- Yolo County Transportation District (Yolobus)

Congratulations, and thank you for your continued interest in participating in DBE Program. I wish you every business success and look forward to hearing from you if I may be of any assistance to you in this regard.

Sincerely,



JANICE SALAIS
Chief
Certification Unit

ASSET Laboratories' Profile

ASSET Laboratories (ASSET) was established as a corporation in 2009 as an environmental testing laboratory in Las Vegas, Nevada. ASSET Laboratories has been accredited by NELAP, CA ELAP and NDEP since 2007. ASSET Laboratories offers a wide variety of environmental analyses, including organics and inorganics in water, wastewater, soil and hazardous waste.

ASSET is a full-service environmental testing laboratory. Our business is providing analytical services to meet the needs of our clients. ASSET has a team of experienced professionals to successfully achieve our clients' goal. With state-of-the-art equipment, instrument redundancy and a computerized Laboratory Information Management System (LIMS), ASSET provides timely and quality analytical results to its clients.

A. Organization Information

Company Name:	ASSET Laboratories
Type of Entity:	Corporation
Areas of Capability	NELAP Certificate #4046 ELAP Certificate #2676 NDEP – NV # NV00922
Certifications	Disadvantaged Business Enterprise (CUCP 38687) Clearinghouse, Public Utilities Commission #10BS0055) Small Business Enterprise (LA Metro, POLB, POLA, MWD) DUNS # 831228627 NAICS # 541380

B. Laboratory Locations:

Main Laboratory: 3151 W. Post Road, Las Vegas, Nevada
Branch/Service Center: 11060 Artesia Blvd, Suite C, Cerritos, CA

C. Telephone Numbers:

Las Vegas: (702) 307-2659

Cerritos: (562) 219-7435

D. Contact Persons:

- a. Contractual Matters: Puri Romualdo/President
Telephone Number: (562) 882-1949
- b. Technical Inquiries: Molky Brar/Business Development Manager
Telephone Number: (562) 219-7435



E. Environmental Services

ASSET Laboratories maintain versatility in meeting client needs and are able to perform and develop specialized testing in compliance with routine and non-routine investigations. US Environmental Protection Agency (EPA) Methods, Standard Methods and SW846 Methods are utilized to perform analysis, and our strict quality assurance program validates analytical results.

ASSET Laboratories provides a full range of environmental services, with 24-hour to 7-business day turnaround times. The following represent these services:

Water and Wastewater

- Inorganic Chemistry
- Organic Chemistry
- Wastewater Analysis
- Sampling/monitoring of water/wastewater

Hazardous Waste

- Hazardous material characterization
- Waste contamination

NPDES Priority Pollutants

- | | |
|----------------------------|-----------------------|
| ▪ Perchlorates | ▪ Pesticides and PCBs |
| ▪ Oxygenates | ▪ Phenols |
| ▪ 1,4-Dioxane | ▪ Volatile Aromatics |
| ▪ Chlorinated Hydrocarbons | ▪ |

Underground Storage Tank Investigations

- | | |
|--------------------------|-----------------------|
| ▪ Petroleum Hydrocarbons | ▪ Oxygenates |
| ▪ Metals | ▪ Purgeable Aromatics |

F. Electronic Deliverables

ASSET Laboratories maintains a Laboratory Information Management System (LIMS) that is capable of acquiring direct instrumentation data and generating analytical reports. Electronic data deliverables (EDD) can be customized based on regulatory or client requirements, such as Geotracker EDF, Caltrans Storm Water EDD and EQUIS EDF. Reports can be delivered in portable document format (PDF), MS Excel, ASCII or MS Access format.

G. Instrumentation

Our state-of-the-art facilities are equipped with redundant instrumentation that enables timely delivery of results to clients. Analytical chemistry procedures employed by ASSET Laboratories are in compliance with Standard Methods, EPA and SW846 methodologies using the following technologies:

- Gas Chromatography – FID, ECD
- Gas Chromatography/Mass Spectroscopy (GC/MS)
- Atomic Absorption Spectroscopy – Cold Vapor, Flame
- Inductively Coupled Plasma Spectroscopy
- Inductively Coupled Plasma Spectroscopy/Mass Spectroscopy
- Ion Chromatography
- Wet Chemistry – UV/Vis, Ion-Specific Electrode
- Gravimetry



AMOLK BRAR

PROJECT MANAGER/BUSINESS DEVELOPMENT MANAGER

molky@assetlaboratories.com

Analytical Methodologies / Laboratory Processes

ANALYTICAL TESTING ~ PROBLEM IDENTIFICATION ~ PROGRAM OVERSIGHT

CORE SKILL SETS

Research Oriented • Team Building & Leadership • Project Oversight & Logistical Support • Operational Analysis
Financial Management • Efficiency Strategies • Organizational Leadership Principles & Initiatives
Data Gathering and Analysis • Time Management Effectiveness • Budget Control

QUALIFICATIONS PROFILE

- Strong analytical background with the ability to work independently on multiple projects with specialized experience in project oversight, information management, business development, operational efficiency practices, conflict management and effective communication techniques, research and data analysis, strategic planning, organization development and change management.
- Capable of acting as data administrator and performing hands on software data entry for all technical specifications related to target compounds and method requirements.
- Team oriented, problem solver with the ability to motivate, guide, and reinforce the performance of the team toward a common organizational goal.
- Numerous years of management experience, accomplished in both independent and team approaches to managing customer and employee relations.
- Work well under pressure and have the ability to multitask. Strong business acumen skills.
- Effective at building strong work coalitions as well as consistent revenue streams by establishing strong relationships with external business partners and securing customer loyalty high within the organization.
- Possess strong organizational and analytical skills and highly adaptable in quickly changing business environments.
- Exceptional leadership skills, work collaboratively with multiple entities to address organizational needs, develop and implement training, coordinate activities, and provide expertise to a variety of organizations.
- Effectively manage and support staff relevant to specific projects in order to complete assignments on time and on budget.
- Ensure delivery of superior customer service and high client satisfaction levels by diligently tracking concerns and presenting issues at routine strategic planning meetings for prompt resolution.
- Regularly schedule reviews and tracks progress of particular projects.
- Possess an extensive knowledge of fiduciary practices, policies, and regulations and can apply this knowledge in terms of budgets, forecasting and projections, as well as financial analysis.
- Provide project leadership in order to achieve maximum production, including budget control, production timetable, status reporting, client/project team coordination, and quality assurance.

PROFESSIONAL SUMMARY

TOTAL NUMBER OF YEARS EXPERIENCE – 20 YEARS
YEARS WITH ASSET LABORATORIES – 1 YEAR 4 MONTHS

**Project Manager/
Business Development Manager
ASSET Laboratories**

November 2013 - Present
1 year 4 months

Laboratory Manager
AMERICAN SCIENTIFIC LABORATORIES, LLC

1996- Sept 2013
17 years

Laboratory Supervisor
AETL

1995-1996
1 year

ACADEMIC & SPECIALIZED TRAINING

- MBA Coursework, Ateneo De Manila University
- Bachelor of Science – Chemistry, University of Santo Tomas
- Specialized Training: Varian ICP Basic Training, Dionex IC Basic Training, Cetac Hg Analyzer M-7500 Training, Atomic Absorption Training, EPA Sample Preparation and Digestion Methods (SW 846) Training, Restek Capillary GC Training, Supervisory/TQM Training, Managerial Training, Fisons Instruments for ICP Training.

Glen S. Gesmundo
glen@assetlaboratories.com
Total Number of Years (Experience) = 15 years
Years with ASSET = 8 years

WORK RELATED EXPERIENCE

QA Manager

ASSET Laboratories

**Las Vegas, NV
June 2007 to present**

- Maintains laboratory certifications in various states and coordinates with regulatory agencies for laboratory permits and compliance.
- Responsible for implementation and monitoring of the laboratory quality assurance program.
- Ensuring that all data generated is scientifically sound, legally defensible, and of known precision and accuracy.
- Monitoring the QA plan on a periodic basis to ensure compliance with the QA objectives of the laboratory.
- Develop and implement new QA procedures within ATL to improve data quality.
- Conducts audits and inspections of all division sections on a periodic basis.
- Coordinates the analysis of performance evaluation (PE) samples for all analytical divisions on a periodic basis.
- Establish and maintain statistical and data records that accurately reflect the quality assurance performance of all analytical divisions.
- Maintaining and overseeing the master sources of all SOPs, training logs and completed/full laboratory notebooks.
- Serving as the in-house client representative on all projects inquires involving data quality issues.
- Performs data review for Level III and Level IV data package.
- Maintains/Manage Laboratory Information Management System (LIMS)
- Setup and provide electronic data deliverables (EDD) to clients like EQUIS, COELT EDF, LabSpec, EnviroData, SLEDD, etc.

Advanced Technology Laboratories

Signal Hill, CA
November 2003 to May 2009

QA Manager

- Responsible for the overall quality assurance program of the laboratory and its branches.
- Helps in the certification of new laboratory and setup of laboratory information management system.

Organic Chemist

November 2000 to Oct 2003

Volatiles Department

- Responsible for the analysis and reporting of water and soil samples by EPA Method 8260, 624, 8240, 8015, 8020 and 8021 .
- Developed methods for client specific projects.
- Perform required maintenance and troubleshooting of GC and GC/MS instruments, concentrators and autosamplers.
- Analyzed and passed Performance Evaluation samples in accordance with the requirement of NELAC and ELAP.

Semi-Volatiles Department

- Analyzed and reported samples by EPA Method 8080,8081,8082,608 and 8015.
- Conduct required routine maintenance and trouble shooting of GC-ECD and GC-FID instruments.
- Received training in analysis of water and soil samples by EPA Method 8270 and 625.
- Performed extraction of water and soil samples by EPA method 3550, 3510 and 3580.
- Analyzed and passed Performance Evaluation samples in accordance with the requirement of NELAC and ELAP.

EDUCATION: University of the Philippines Los Baños Los Baños Philippines
Master of Science in Agricultural Chemistry November 2000

University of the Philippines Los Baños Los Baños, Philippines
B.S. Chemical Engineering April 1995

PUBLICATIONS:

Volatilization Properties of Chlorobiphenyls from Soil, June 2000
9th Symposium on Environmental Chemistry, Hokkaido, Japan

Photodegradation Properties of Chlorobiphenyls, June 2000
9th Symposium on Environmental Chemistry, Hokkaido, Japan

Instrument/Software Experience

Experienced working with GC model HP 5890 with FID, PID and ECD, HP 6890 with micro-ECD and MS model HP 5971, 5972 and 5973. Also worked with Archon and Precept autosampler and LSC-3000 purge and trap system.

Experienced in Microsoft Access Database, Word and Excel

Seminars/Training

2012 DoD Environmental Data Monitoring and Data Quality Workshop, March 26- March 29, 2012, La Jolla, California

2011 DoD Environmental Data Monitoring and Data Quality Workshop, March 28- April 1, 2011, Arlington, Virginia

2009 DoD Environmental Data Monitoring and Data Quality Workshop, March 30-April 3, 2009, San Antonio, Texas

NELAC/NEMC Boston Forum on National Accreditation, August 20-24, 2007, Boston, Massachusetts.

25th Annual Conference on Managing Environmental Quality Systems, April 24 - 27, 2006, Austin, Texas,.

24th Annual National Conference on Managing Environmental Quality Systems, April 11-14, 2005, San Diego, California.

PROJECT EXPERIENCE

Submitted by:	ASSET Laboratories
Project name/location:	Investigation and Remediation, Quarterly Monitoring/ Southern and Northern California
Name of client (owner or prime contractor):	CH2MHILL
Client contact and current phone number:	Shawn Duffy, (530) 229-3303
Identify personnel who worked on this project:	Glen Gesmundo, Jose Tenorio, Quennie Manimtim, Marlon Cartin, Nancy Sibucac, Marycel Mariano,
Name of Regulatory Oversight Agency – Region:	DTSC, CA Regional Water Control Board,
Type of hazardous waste:	Metals, Anions, GRO, VOCs, SVOCs, PCBs, Pesticides, DRO and Motor Oil, Inorganic Chemistry, Hexavalent Chromium
Date work was completed:	On-going

Description of the project and your firm's participation, including details requested in the IFB (use as much space or pages as necessary):

ASSET Laboratories has provided and continually service CH2MHILL's laboratory analysis requirement for their project on investigation and remediation and quarterly monitoring for a utility company in Southern and Northern California. ASSET performs soil and groundwater analysis for tests such as VOCs, PAHs, SVOCs, DRO and ORO, Hexavalent Chromium, PCBs and Pesticides, Metals and other Inorganic analyses. The client requires a special type of QA/QC following their project QAPP and special type of EDD. ASSET provides Level IV data packages for all projects for this client with a turnaround time of 10 days.

Project Details:

- Sample pickup at project location on a short notice.
- Close proximity to the study area – for convenience, logistical support, and analysis of constituents with very short holding times.
- Availability for off-hours sample handling and analysis, including weekends.
- Ability to achieve analytical reporting limits (RLs), and experience with the type of samples that will be generated by the monitoring program.
- Accountability to meet all project specific data quality acceptability limits or objectives.
- Processed about 1000 soil samples for full suite of organic and inorganic analyses with on-time delivery of Level IV data package within a span of one month.

Include appropriate experience for both the contractor and any proposed subcontractors using the format below for each project identified.

Identify the type of project experience this page is intended to satisfy, i.e., initial study, asbestos and lead paint survey, LUFT project, etc. Include the name and current telephone number of a client representative who is familiar with the project and can attest to the participation, quality of work and timeliness of the proposer or subcontractor in performing the work.

Submitted by:	ASSET Laboratories
Project name/location:	Leaking Underground Fuel Tanks (LUFT) / Nevada and Northern California
Name of client (owner or prime contractor):	The Westmark Group
Client contact and current phone number:	Jeremy Westmark (702) 839-2960
Identify personnel who worked on this project:	Glen Gesmundo, Jose Tenorio, Quennie Manimtim, Marlon Cartin, Nancy Sibucan, Marycel Mariano,
Name of Regulatory Oversight Agency – Region:	Nevada Division of Environmental Protection, CA RWQCB
Type of hazardous waste:	Metals, Anions, GRO, VOCs, SVOCs, PCBs, Pesticides, DRO and Motor Oil, Inorganic Chemistry,
Date work was completed:	On-going

Description of the project and your firm’s participation, including details requested in the IFB (use as much space or pages as necessary):

ASSET Laboratories has provided and continually service The Westmark Group for their project on leaking underground fuel tanks (LUFT). ASSET performs quarterly monitoring analysis on about 200-300 monitoring wells for GRO and VOC analysis.

Below are some pertinent details regarding this project:

- Provide certified clean sample containers.
- Meet requested turnaround times (24-hr, 48-hr, 72-hr, 5 day, 10-day).
- Allow access to data produced at all times.
- Reports followed NDEP and CA requirements.
- Provide COELT EDD.

Submitted by:	ASSET Laboratories
Project name/location:	SR-99 Kern County
Name of client (owner or prime contractor):	Geocon Environmental Consultants, Inc
Client contact and current phone number:	John Juhrend 916.852.9118
Identify personnel who worked on this project:	Glen Gesmundo, Jose Tenorio, Quennie Manimtim, Marlon Cartin, Nancy Sibucan, Marycel Mariano, Kristina Belza
Name of Regulatory Oversight Agency – Region:	Caltrans
Type of hazardous waste:	Lead, STLC and TCLP,
Date work was completed:	On-going

Description of the project and your firm’s participation, including details requested in the IFB (use as much space or pages as necessary):

ASSET Laboratories is currently performing Lead analysis for the SR-99 Kern County project for Geocon Environmental Consultants, Inc in the performance of their contract with California Dept. of Transportation (Caltrans). The main tasks for ASSET are the analyses of total lead in soil with the corresponding STLC and TCLP for those samples exceeding regulatory acceptance levels.