

AGREEMENT FOR ON-CALL PROFESSIONAL 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 Harris Associates, 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. 1027-15 for On-Call Professional Design Services (the “RFP”).
- B. In response to the RFP, Consultant submitted a proposal dated February 26, 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 professional 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 \$300,000, 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, Randall Berry, P.E. 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. 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. 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. Workers' Compensation insurance as required by the State of California.

4. 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 hold harmless and indemnify City, and its elected officials, officers, employees, servants, designated volunteers, and those city agents serving as independent consultants in the role of city officials (collectively, "Indemnitees"), with respect to any and all claims, demands, damages, liabilities, losses, costs or expenses, including reimbursement of attorneys' fees and costs of defense (collectively, "Claims" hereinafter), including but not limited to Claims relating to death or injury to any person and injury to any property, which arise out of, pertain to, or relate to in whole or in part to the negligence, recklessness, or willful misconduct of Consultant or any of its officers, employees, subcontractors, or agents 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. In connection with any and all claims, demands, damages, liabilities, losses, costs or expenses, including attorneys' fees and costs of defense (collectively, "Damages" hereinafter) not covered by Section (a) herein, and to the fullest extent permitted by law, Consultant shall defend, hold harmless and indemnify the Indemnitees with respect to any and all Damages, including but not limited to, Damages relating to death or injury to any person and injury to any property, which arise out of, pertain to, or relate to the acts or omissions of Consultant or any of its officers, employees, subcontractors, or agents in connection with the performance of this Agreement, including without limitation the payment of all consequential damages, attorneys' fees, and other related costs and expenses, except for such loss or damage arising from the sole negligence or willful misconduct of the City, as determined by final arbitration or court decision or by the agreement of the parties. Consultant shall defend Indemnitees in any action or actions file in connection with any such Damages with counsel of City's choice, and shall pay all costs, judgments, and expenses, including all attorneys' fees and experts' costs actually incurred in connection with such defense. Consultant's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by Consultant or City. All duties of Consultant under this Section 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.

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

Randell Berry
RANDALL BERRY, PE
DIRECTOR, ENG SERVICES

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.



**ON-CALL PROFESSIONAL DESIGN SERVICES
CITY OF MANHATTAN BEACH, CA - RFP NO. 1027-15**



Harris & Associates.

February 26, 2015

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LOCATING YOUR EVALUATION CRITERIA



SECTION 1. COVER LETTER

February 26, 2015

Mr. Joe Parco, P.E.
City Engineer
City of Manhattan Beach
1400 Highland Avenue
Manhattan Beach, CA 90266



Subject: Proposal for RFP# 1027-15, On-Call Professional Design Services

Dear Mr. Parco,

The City of Manhattan Beach (City) has a number of civil engineering projects listed in their Capital Improvement Plan (CIP) FY2015-2019, including several that are funded by Metro from their Measure R program.


Harris & Associates (Harris) is a 100% Employee Owned Firm, headquartered in Concord, California. Founded in 1974, we have over 200 employee owners spread over California, Nevada and Washington providing design and construction management services for transportation, water, wastewater, education and facilities. Harris has significant on-call experience with numerous cities and agencies in Southern California, including Los Angeles, Glendale, Port of Los Angeles, Port of Long Beach, County of Los Angeles and Metro. We have assembled a team of sub-consultants we have worked with previously and we are ready to work with the City to deliver successful projects. We have a long history of having qualified DBE firms. For this contract, we have three DBE firms on our team and we expect to exceed the 4% DBE goal set for this contract.

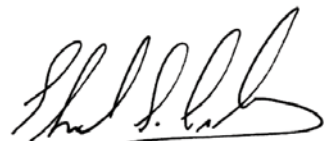
Our Project Manager, Randall Berry, PE has 30 years of municipal experience serving many cities in the region. Assisting him, we have a number of Task Managers including Randall Bliss, PE, Gary Solsona, PE, QSD and Elizabeth Reyes, PE, QSD. We have also selected a team of Engineering Technicians who are available to work at the City as extension of your staff.

We acknowledge receipt of Addendum No. 1, dated 2/20/2015 and Addendum No. 2, undated. We appreciate the opportunity to present our qualifications for this contract. Please contact us, should you have any questions. Proposal is valid for a period of 90 days from the due date.

Sincerely,

Harris & Associates, Inc.


Randall G. Berry, PE
Director, Engineering Services


Ehab S. Gerges, PE, QSD
Senior Vice President

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15



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# - 1027-15
BID TITLE: ON-CALL PROFESSIONAL DESIGN SERVICES
REQUESTING DEPARTMENT: Public Works – Engineering Division
RELEASE DATE: February 11, 2015
DUE DATE: **Thursday, February 26, 2015 @ 3:00 p.m. PST**

The City has received the following questions and comments regarding this proposal. The City responses are shown in italics.

1. Please confirm that technical qualifications and hourly rates are to be submitted as part of this RFP. The detailed fee proposal with total lump sum fee would be required once the consultant is selected.
Response: Yes, technical qualifications and an hourly rate schedule is required as part of the response to the RFP. See section 2.6 Compensation/Payment Schedule. The detailed fee/rate schedule will be used to determine the final cost of the individual task order required to complete specific projects.
2. Do any of the listed projects require full CEQA review or a negative mitigated declaration would suffice?
Response: The City has not studied any of the potential projects to determine the level of environmental review required. As part of the task order for the specific project, the consultant will provide the required environmental review as a work item in the task order for that specific project if environmental review is required.
3. Will consultant be responsible for any public outreach required by the City?
Response: Depending on the specific project, Consultants may be asked to attend and make presentations at public meetings. Public outreach will be included as a work item in the task order if it is anticipated that public outreach would be needed for that specific project. Public outreach will only be required for more complex projects that involve a larger community impact.
4. Does the City intend to provide any existing utility information for the project area?
Response: The City will provide utility information only for City owned utilities as specific projects are assigned to consultants.
5. Do sub consultants need to sign proposal forms referenced in section 2.7?
Response: No

Prospective consultants shall sign this Addendum and include it with their RFP submittal to acknowledge receipt and understanding of the contents of this Addendum.

2/20/15
Date


Joe Parco, City Engineer

Consultant

Signature

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15



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# - 1027-15
BID TITLE:	ON-CALL PROFESSIONAL DESIGN SERVICES
REQUESTING DEPARTMENT:	Public Works – Engineering Division
RELEASE DATE:	February 11, 2015
DUE DATE:	Thursday, February 26, 2015 @ 3:00 p.m.. PST

The City has received the following questions and comments regarding this proposal. The City responses are shown in italics.

- 1) If we have DBE firms that will fill over 4% of the work as part of our sub-consultants, are we still required to perform the Good Faith Effort?
If you are using DBE subcontractors for at least 4% of the work, than you do not need to submit Exhibit 15 DBE Information - Good Faith Efforts.
- 2) By "hard cover" do you mean three ring binders for the covers for our submittals?
"Hard cover" in this case just means we want your submission to be bound in some way. Coil Binding, Comb Binding, Strip Binding or a 3-ring binder are acceptable.

Please include a signed copy of this addendum in your proposal to show you have received it ~~and includes~~ its provisions in your proposal.


Joe Parco, P.E.

Receipt Acknowledgement:



CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Section 1.1. Company Data

Official name and address (Headquarters)	Harris & Associates, Inc. 1401 Willow Pass Road, Suite 500 Concord, CA 94520 925-827-4900 fax 866-356-0998
Contact information	Randall G. Berry, PE, Director, Engineering Services 22 Executive Park, Suite 200 Irvine, CA 92614 949-655-3900 ext. 2314 randall.berry@weareharris.com
Type of entity	California S. Corporation No. C0808586
Federal Employer I.D.	94-2385238
Additional Firm Locations: Los Angeles 523 W. 6th Street, Suite 644 Los Angeles, CA 90017 213-629-9565 - fax 213-213-0594 San Diego, CA 750 B Street, Suite 1800 San Diego, CA 92101 619-236-1778 fax 619.236.1179 Rancho Cucamonga 9445 Fairway View Place Suite 101 Rancho Cucamonga, CA 91730 909-987-7220 - fax 909-987-1136 Sacramento 1215 K Street 17th Floor Sacramento, CA 95814 916-928-9600 fax 866-356-0998 Fresno 377 W Fallbrook Avenue Suite 104 Fresno, CA 93711 559-431-3763 fax. 866.356.0998	Las Vegas, NV 731 E Pilot Road, Suite L Las Vegas, NV 89119 702-597-9410 ext. 702.597.9470 Carson City, NV 1817 N Stewart Street, Suite 30 Carson City, NV 89706 775-841-2225 ext. 775.841.7335 Seattle, WA 207 ½ 1st Avenue S, Suite 250 Seattle, WA 98104 Oakland, CA 7700 Edgewater Drive Suite 814 Oakland, CA 95621 800-827-4901 fax 866-356-0998 Morgan Hill 17450 Monterey Road Suite 150 Morgan Hill, CA 95037 669-888-3301 fax 866-356-0998 Salinas, CA 2 Salinas Street Suite B Salinas, CA 93901 831.233.9242 fax 866-356-0998
Ownership	100% ESOP owned S-Corporation
Years in business	Founded in 1974 (41 years)
Years providing related services	Since 1974 (41 years)

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Comparable contracts: Throughout the last five years, Harris & Associates is, or has provided, on-call civil engineering services to multiple agencies throughout Southern California. Please see the list beginning on the next page.	
Failures/refusals to complete contract	No failures or refusals to complete contracts
Individuals/firms with 10% or greater interest	The ESOP owns 100% of Harris
Financial interests in other lines of business	None

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Project Name	Client	Contract Type	Start Date	End Date	Contract Manager
2008-2009 On-Call Engineering Services	City of Coronado	On-Call Engineering Services	4/15/2008	4/15/2010	Ehab Gerges
On-Call Professional Civil Engineering Consultant Services	Anaheim Redevelopment Agency	On-Call Engineering Services	8/1/2008	6/30/2010	Randy Berry
2008-2011 On-Call Civil Engineering Services	City of Bakersfield	On-Call Engineering Services	7/1/2008	6/30/2010	Randy Berry
Consultant Team 2007-Irvine #07-2209	City of Irvine	On-Call Engineering Services	9/1/2007	6/30/2010	Ehab Gerges
2008-2010 On-Call Development Plan Check Services	City of Lancaster	On-Call Engineering Services	7/8/2008	6/30/2010	Ehab Gerges
2008-2010 On-Call Roadway and Structural Design Services	City of Lancaster	On-Call Engineering Services	7/8/2008	6/30/2010	Ehab Gerges
On-Call Civil Engineering and Construction Management Services for CIP	City of Rancho Santa Margarita	On-Call Engineering Services	7/1/2006	6/30/2010	Ehab Gerges
2009-10 On-Call Engineering Services	County of Orange, Public Works	On-Call Engineering Services	7/15/2009	7/15/2010	Randy Berry
On-Call Street Rehabilitation Design and Plan Check	City of Pico Rivera	On-Call Engineering Services	8/1/2008	8/1/2010	Byron Tobey
2009-2010 On-Call Engineering Services	City of Coronado	On-Call Engineering Services	8/15/2009	9/15/2010	Ehab Gerges
On-Call Engineering Services for FY 2008-10	City of Fullerton	On-Call Engineering Services	10/21/2008	10/21/2010	Randy Berry
Civil Engineering - Retainer Agreements RESD-PSB 2008-10 Southern Region	State of California, Department of General Services Real Estate Services	On-Call Engineering Services	11/12/2008	11/12/2010	Randy Berry
On-Call Engineering Services List-Yorba Linda	City of Yorba Linda	On-Call Engineering Services	11/21/2006	11/20/2010	Randy Berry
2010 As-Needed Professional Services (Palm Desert)	City of Palm Desert	On-Call Engineering Services	1/1/2010	12/31/2010	Ehab Gerges
2010 On-Call Map Checking and Signing Maps - Pomona	City of Pomona	On-Call Engineering Services	2/1/2010	12/31/2010	Ehab Gerges
Consultant Team Services for 2009-10 and 2010-11	City of Lake Forest	On-Call Engineering Services	7/1/2009	6/30/2011	Ehab Gerges
On-Call Engineering Services (#09-025)	Sunline Transit Agency	On-Call Engineering Services	11/2/2009	12/31/2011	Ehab Gerges
On-Call Miscellaneous Civil Plan Check Services	City of Tustin	On-Call Engineering Services	9/20/2004	1/1/2012	Randy Berry
On-Call Civil Plan Check Services for FY 2010-2012	City of Poway	On-Call Engineering Services	7/20/2010	7/20/2012	Ehab Gerges
On-Call Engineering Street Design Services	City of Cypress	On-Call Engineering Services	8/22/2011	8/22/2012	Randy Berry
Contract Administration Services (#VAZ0000007) for OC Parks CIP Projects	County of Orange	On-Call Engineering Services	9/1/2009	9/1/2012	Randy Berry
On-Call Civil Engineering Services for Port CIP Projects	Port of Los Angeles	On-Call Engineering Services	9/1/2009	9/1/2012	Randy Berry
On-Call Engineering, Plan Check, Surveying and Inspection Services	City of El Centro	On-Call Engineering Services	12/1/2009	12/1/2012	Ehab Gerges
On-Call Civil Engineering Services	City of Carlsbad	On-Call Engineering Services	4/1/2007	12/6/2012	Ehab Gerges
2012 Lake Elsinore Plan Check	City of Lake Elsinore	On-Call Engineering Services	1/1/2012	12/31/2012	Ehab Gerges
On-Call Engineering Consulting Services (2009-19)	City of Lemon Grove	On-Call Engineering Services	2/1/2010	1/1/2013	Ehab Gerges
As-Needed Final Map Plan Checking Services	County of Los Angeles	On-Call Engineering Services	5/28/2008	5/27/2013	Ehab Gerges
Consultant Team Services for 2011-12 and 2012-13	City of Lake Forest	On-Call Engineering Services	6/1/2011	6/1/2013	Ehab Gerges

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

2012 Public Works/Engineering Services	City of Rancho Palos Verdes	On-Call Engineering Services	6/1/2012	6/1/2013	Randy Berry
2010 Consultant Team (RFP No. 10-2511)	City of Irvine	On-Call Engineering Services	6/30/2010	6/30/2013	Ehab Gerges
Professional Civil Engineering Services	Port of Long Beach	On-Call Engineering Services	8/2/2010	7/31/2013	Randy Berry
2009-2012 On-Call Civil Plan Check, Construction Inspection and Staff Augmentation (Lake Elsinore)	City of Lake Elsinore	On-Call Engineering Services	9/8/2009	9/7/2013	Ehab Gerges
On-Call Design Services for Public Works Improvements 2008-2013 (AGR-5344)	City of Anaheim	On-Call Engineering Services	7/1/2008	9/30/2013	Randy Berry
On-Call Engineering Services for Various Storm Drain Projects	City of Cypress	On-Call Engineering Services	11/10/2008	11/10/2013	Randy Berry
2011-2013 On-Call Engineering Design Services	City of Garden Grove	On-Call Engineering Services	12/1/2011	12/1/2013	Randy Berry
2011-2012 On-Call Engineering Services	City of Coronado	On-Call Engineering Services	8/15/2011	12/31/2013	Ehab Gerges
2012 As-Needed Engineering Services	City of Coronado	On-Call Engineering Services	12/31/2012	12/31/2013	Ehab Gerges
On-Call Plan Checking Services for the City of Rancho Santa Margarita	City of Rancho Santa Margarita	On-Call Engineering Services	2/8/2012	3/9/2014	Ehab Gerges
On-Call Professional Engineering & Construction Inspection Services	City of National City	On-Call Engineering Services	10/5/2010	4/4/2014	Ehab Gerges
As-Needed Design-Build Services (Spec #4784DB)	Orion Construction	On-Call Engineering Services	4/21/2009	4/21/2014	Carlos Mendoza
On-Call Engineering Services for Various Design/Build Projects	Orion Construction	On-Call Engineering Services	7/1/2011	4/21/2014	Saunders, E.
Design Build Services for Series of Water Main Replacement Projects (RFO No.2013-01)	Artukovich/Vidmar a JV	On-Call Engineering Services	5/14/2013	6/30/2014	Randy Berry
As-Needed Engineering and Related Services	City of Del Mar	On-Call Engineering Services	7/15/2009	6/30/2014	Ehab Gerges
2012 As-Needed Public Works/Public Services Professional Services	City of Mission Viejo	On-Call Engineering Services	7/1/2012	6/30/2014	Ehab Gerges
On-Call Design Engineering - Civil Engineering A1 (#1034.9)	City of Pomona	On-Call Engineering Services	6/30/2011	6/30/2014	Ehab Gerges
Development Plan Check for Simi Valley Public Works Projects	City of Simi Valley	On-Call Engineering Services	6/30/2013	6/30/2014	Ehab Gerges
Professional Civil Engineering Services for the Anaheim Public Utilities Department	City of Anaheim	On-Call Engineering Services	9/1/2011	9/1/2014	Randy Berry
2013-2014 City, County and Port Consultant Rotation List (D1205001)	City of San Diego	On-Call Engineering Services	9/1/2013	9/1/2014	Javier Saunders
On Call Civil Engineering/Plan Checking/Public Works Inspection Services	City of Diamond Bar	On-Call Engineering Services	10/31/2011	10/31/2014	Randy Berry
On-Call Support Services for Road Projects (#080-589983) (D11-079)	County of Orange, Public Works	On-Call Engineering Services	12/1/2011	11/30/2014	Randy Berry
On Call, As Needed Civil Engineering Services in Imperial County	County of Imperial	On-Call Engineering Services	12/21/2010	12/22/2014	Ehab Gerges
Municipal Map and Plan Check Services and Other Land Development Services	City of Moreno Valley	On-Call Engineering Services	12/31/2011	12/31/2014	Ehab Gerges
Consulting Support Services	City of Anaheim	On-Call Engineering Services	1/1/2014	1/1/2015	Randy Berry
2014 As-Needed Engineering Services	City of Coronado	On-Call Engineering Services	2/1/2014	2/1/2015	Ehab Gerges

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

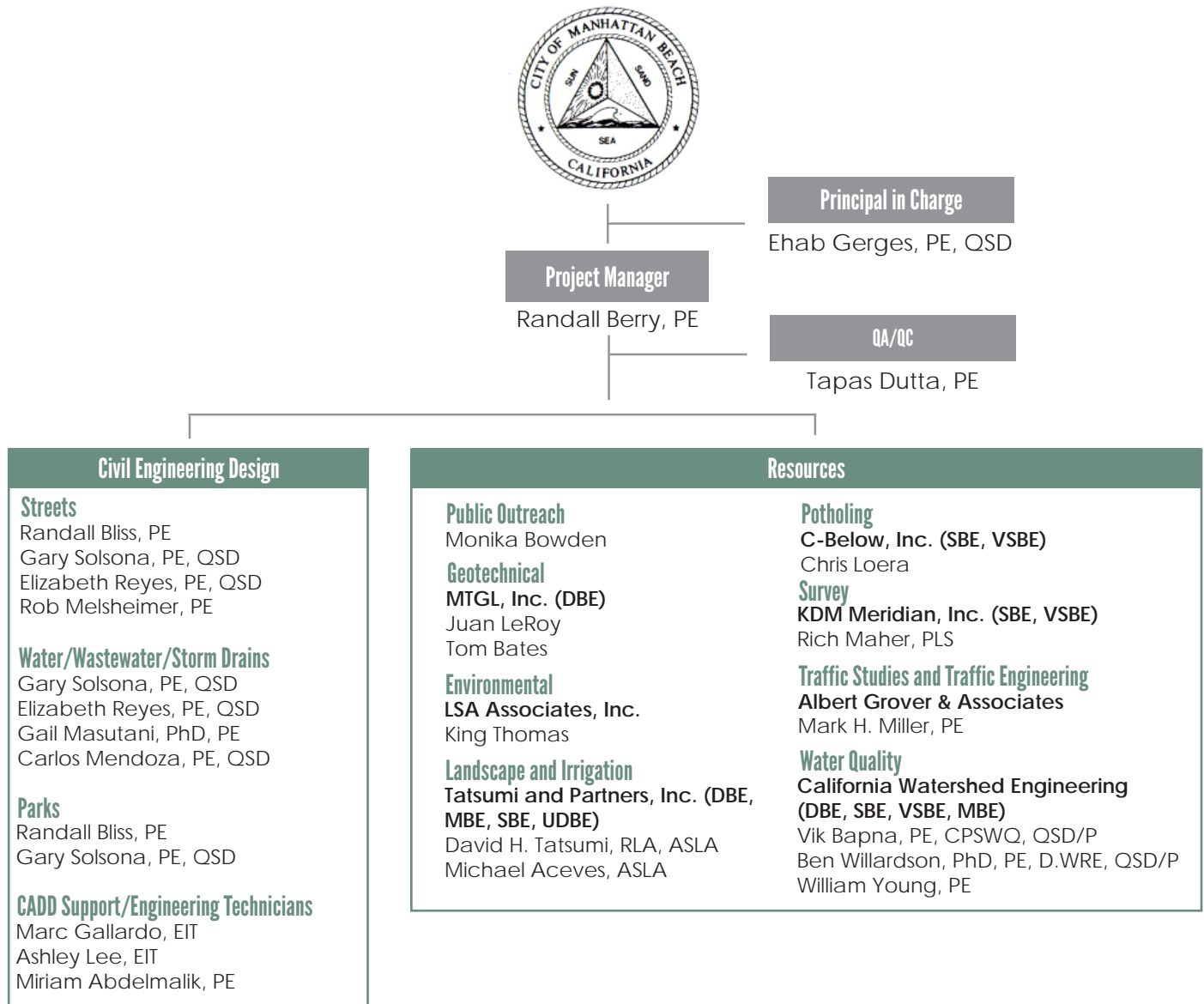
As-Needed Plan Checking Services for Water Booster Stations and Storage Facilities RFQ #2558	Eastern Municipal Water District	On-Call Engineering Services	3/1/2013	2/27/2015	Saunders, E.
On-Call Architect and Engineering Design and Environmental Planning Consulting Services for SANDAG-Transit (LARGE) (5001817)	PGH Wong Engineering, Inc.	On-Call Engineering Services	6/1/2011	6/1/2015	Dutta, Tapas
As-Needed Right of Way Engineering Services (AED7739749)	County of Los Angeles	On-Call Engineering Services	6/6/2012	6/6/2015	Ehab Gerages
Design Agreements Facilities Engineering and Facilities Repair Projects (No. FE12-00)	Orange County Sanitation District	On-Call Engineering Services	6/27/2012	6/30/2015	Randy Berry
Plan Checking Services for the Transportation and Development Division (#1034.5)	City of Pomona	On-Call Engineering Services	8/1/2009	8/1/2015	Ehab Gerages
FY 2011-2012 Annual Agreement for Engineering and Surveying Services Various Capital Improvement Projects	City of Temecula	On-Call Engineering Services	8/1/2011	8/1/2015	Byron Tobey
FY 2013-15 On-Call Sewer Design Services	City of Cypress	On-Call Engineering Services	11/11/2013	11/9/2015	Randy Berry
FY 2013-15 On-Call Storm Drain Design Services	City of Cypress	On-Call Engineering Services	11/11/2013	11/9/2015	Randy Berry
2008-2015 On-Call Civil Engineering Services- Huntington Beach	City of Huntington Beach	On-Call Engineering Services	9/1/2008	11/17/2015	Randy Berry
2011-2014 On-Call Public Works and Engineering Services	City of Yorba Linda	On-Call Engineering Services	10/18/2011	11/20/2015	Randy Berry
2013-2015 On-Call Consultant Agreement	City of Fullerton	On-Call Engineering Services	11/25/2013	11/25/2015	Randy Berry
2013-15 Master Agreement Consulting Services- Financial Engineering	City of Carlsbad	On-Call Engineering Services	1/1/2013	12/31/2015	Javier Saunders
2013-15 Master Agreement Consulting Services- Storm Water Engineering	City of Carlsbad	On-Call Engineering Services	1/1/2013	12/31/2015	Saunders, E.
On-Call Engineering Services for Transportation Projects (RFQ No.2013-3)	City of Glendale	On-Call Engineering Services	1/1/2014	12/31/2015	Ehab Gerages
On-Call Consultant Services	City of San Marcos	On-Call Engineering Services	3/27/2014	12/31/2015	Ehab Gerages
Professional Architectural, Engineering, Staff Augmentation, and Landscape Architecture Services	City of Commerce	On-Call Engineering Services	8/1/2014	1/31/2016	Ehab Gerages
As-Needed Civil Engineering Services (H104862)	City of San Diego	On-Call Engineering Services	3/14/2011	3/14/2016	Saunders, E.
On-Call Project Support Services for National City's Capital Improvement Program (CIP)	City of National City	On-Call Engineering Services	3/27/2014	3/27/2016	Ehab Gerages
Various On-Call Consulting Services-Civil and Traffic Engineering Design Services	City of Temple City	On-Call Engineering Services	7/1/2013	5/31/2016	Randy Berry
2013 Consultant Team Program (RFP No.13-2905)	City of Irvine	On-Call Engineering Services	7/1/2013	6/30/2016	Ehab Gerages
As-Needed Professional Engineering Services	City of Lawndale	On-Call Engineering Services	9/1/2013	8/31/2016	Randy Berry
On-Call Traffic and/or Civil Engineering Design Services (RF 01-14)	City of Palm Springs	On-Call Engineering Services	12/16/2013	12/16/2016	Ehab Gerages
2015/2016 Consultant Rotation List (City/County/Port)	City of San Diego	On-Call Engineering Services	1/1/2015	1/1/2017	Javier Saunders

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

As-Needed Design Build Services for the Engineering & Capital Projects Department - 5151 DB (K-12-5581-DBA-3)	Orion Construction	On-Call Engineering Services	4/3/2012	4/3/2017	Carlos Mendoza
On-Call Architect/Engineer and Professional Consultant Services (E:Civil Engineering) (#012-612266-LC)	County of Orange, Resources and Development Management Department	On-Call Engineering Services	4/29/2014	4/28/2017	Randy Berry
General As-Needed Professional Consulting and Engineering Services	City of Anaheim	On-Call Engineering Services	6/10/2014	6/10/2017	Randy Berry
Multiple Award Construction Contracts (MACC) Design-Build Contracts for Water, Wastewater, and Stormwater Projects (K-12-5762-MACC-3-C)	Orion Construction	On-Call Engineering Services	9/1/2012	8/31/2017	Carlos Mendoza
On-Call Civil Engineering Services for Street and Stormwater Projects	City of Los Angeles, Bureau of Engineering	On-Call Engineering Services	3/17/2009	3/17/2019	Ehab Geroges
2014-2019 On-Call Civil Engineering Services for Water and Sewer Projects	City of Del Mar	On-Call Engineering Services	11/1/2014	11/1/2019	Ehab Geroges

SECTION 2. ORGANIZATION CHART



Transition Plan

Harris understands the nature of as-needed services as well as the depth of resources needed to properly service these types of contracts. Since there is no particular project identified, we have only identified the project manager, principal-in-charge, and a sampling of “key” individuals. All professional staff provided by Harris will be approved by the City and will not be removed or replaced without prior consent.

Staffing Plan

Civil Design Classification	Number of Staff
Senior Project Manager	7
Project Manager	12
Senior Project Engineer	6
Project Engineer	5
Assistant Project Engineer	2
CADD Designer	2
Total	34

SECTION 3. RESUMES & QUALIFICATIONS OF PERSONNEL

Proposed Subconsultants

Harris consistently draws from a pool of tried and tested subconsultants (many with DBE certifications). We have already confirmed on many previous projects that they are experienced, reliable and responsive. We have built a team of lasting alliances from which the City will benefit. **Please see the following page for a matrix that shows our team’s history of working together on various projects and a second matrix with estimated division of work.**

We meet regularly with our subconsultants to discuss project goals, communicate/confirm project progress, and promote team building. We perform QA/QC reviews and reasonableness checks on their work. We also perform coordination reviews to compare their improvement designs with our designs to eliminate conflicts and help ensure a final coordinated construction package.

<p>MTGL (DBE) Geotechnical 2992 E. La Palma Avenue, Suite A Anaheim, CA 92806 714.632.2999</p>	<p>MTGL provides clients with reliable construction materials testing, inspections and geotechnical engineering services under all types of conditions. The depth of professional resources is what distinguishes MTGL. Their professional staff is committed to the cohesive management of projects from start to finish. MTGL’s skilled and efficient personnel know that the accuracy of their service must not be compromised. MTGL ranks among the leading companies for materials testing and geotechnical engineering services in Southern California today.</p>
<p>Tatsumi & Partners (DBE, MBE, SBE, UDBE) Landscape and Irrigation 49 Discovery #120 Irvine, CA 92618 949.453.9901</p>	<p>Tatsumi and Partners, Inc. was founded in 1985 and has earned a reputation for being a premiere public works related landscape architectural firm in the southwest. As a certified as 8(a), DBE, MBE, SBE, UDBE and Micro Business, the firm’s expertise includes design, planning, horticulture, irrigation design, public outreach, lifecycle management, visual resource management, image enhancement, liability risk management, site graphics and water management.</p>
<p>California Watershed Engineering - (DBE/MBE/SBE/EBE) Water Quality 1561 E. Orangethorpe Ave. Suite 240 Fullerton, CA 92831 714.526.7500</p>	<p>CWE is an award-winning provider of planning, design and engineering, water resources, stormwater and watershed management, transportation design, environmental, and construction support services. Clients trust CWE to provide innovative and sustainable solutions to solve complex problems involving civil infrastructure, water resources, and the environment. CWE has successfully completed work on several City of Los Angeles projects.</p>
<p>LSA Associates, Inc. Environmental 20 Executive Park, Suite 200 Irvine, CA 92614 949.553.0666</p>	<p>LSA Associates, Inc. is a diversified environmental, transportation, and community planning firm. LSA has provided services in environmental analysis, transportation planning and engineering, biology, wetlands, habitat restoration, natural resource management, water quality, global climate change, geographic information systems (GIS), community and land planning, cultural and paleontological resources, air quality and noise impact assessments since 1976.</p>
<p>KDM Meridian (SBE) Surveying KDM Meridian 22541 Aspan Street, Suite C Lake Forest, CA, 92630 949.768.0731</p>	<p>KDM Meridian is a professional Land Surveying consulting firm specializing in GPS, conventional land surveying, and project mapping. The firm is currently fielding two survey crews on a regular basis to perform conventional and GPS land surveying. In-house personnel provide boundary, mapping, right-of-way, topographic, construction calculation, legal description, and related functions.</p>
<p>C Below (SBE) Potholing/Utility Detection 14280 Euclid Avenue Chino, CA 91710 888.902.3569</p>	<p>C Below offers professional locating and mapping services throughout Southern California. Their highly experienced technicians utilize the most advanced equipment in the industry to gather information for projects. Accurate information is vital in planning and can prevent costly delays from damages caused by cutting, coring, drilling or digging in areas congested by unseen hazards in concrete, masonry and underground.</p>
<p>Albert Grover & Associates Traffic Studies & Traffic Engineering 211 East Imperial Hwy Suite 208 Fullerton, CA 92835 714.992.2990</p>	<p>Albert Grover & Associates (AGA) is a multidiscipline engineering firm specializing in municipal and transportation engineering. AGA is able to provide their clients with professional services that range from the planning and conceptual design stage through the construction supervision and “as-built” stage. AGA’s unique blend of Civil Engineers, Traffic Engineers, and skilled technical field maintenance/monitoring personnel have provided services to clients ranging from design and construction management of full freeway interchanges to minor traffic impact studies.</p>

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

History of working together	MTGL	Tatsumi	CWE	LSA	KDMM	C-Below	AGA
Esplanade Streetscape Improvements, City of Redondo Beach					x		x
San Ramon Canyon Storm Drain System, City of Rancho Palos Verdes					x		
Brookhurst Street and Adams Avenue Intersection Widening Transportation Plan, City of Huntington Beach			x		x	x	x
Slurry Seal and Street Resurfacing, City of Lake Forest					x		
Harbor Blvd Retaining Wall & Slope Repair Study, City of Fullerton					x		
Ball Road Sanitary Sewer and Storm Drain Improvements, City of Anaheim				x	x	x	
Brea Canyon Road/Tonner Canyon Road Intersection Improvements, County of Orange				x	x		x
Pacific Coast Highway at Hawthorne Boulevard Intersection Improvements, City of Torrance					x	x	x
Harbor Scenic Drive Roadway Improvement, Port of Long Beach		x	x		x	x	x
Commonwealth Ave. Sewer Improvements, City of Fullerton					x	x	
Town Center Infrastructure Improvement, City of Yorba Linda			x		x	x	x
Sunset Strip Beautification, City of West Hollywood					x		x
Great Park Pedestrian Promenade Enhancements and Parking Lot Expansion, City of Irvine					x		x
Low Flow Diversion and Vortex Separation, City of Long Beach			x				
Valley Center Road Widening Phase II, County of San Diego	x						
United States International University Miramar Trunk Sewer Project, City of San Diego	x						
Carbon Creek and Valley View Street Storm Drain, City of Cypress			x		x		

Division of work	% of Total Work
Harris - Prime	60%
MTGL - Geotech (DBE)	4%
Tatsumi - Landscape (DBE, SBE, VSBE)	3%
CWE - Water Quality (DBE, SBE, VSBE, MBE)	4%
LSA - Environmental	5%
KDMM - Survey (SBE, VSBE)	10%
C-Below - Potholing (SBE, VSBE)	2%
AGA - Traffic	12%

Ehab Gerges, PE, QSD

Principal in Charge

Education: BS, Civil Engineering, CSU Long Beach 1997

Registration: Professional Civil Engineer, CA # 59991

Certification: California State Water Resources Control Board, Qualified SWPPP Developer #59991

Memberships:

American Public Works Association (APWA)

American Society of Civil Engineers (ASCE)

American Water Works Association (AWWA)

Society of Military Engineers (SAME)

Women's Transportation Seminar (WTS)

Mr. Gerges has over 26 years of professional consulting experience in public works. He has managed and designed a wide variety of public infrastructure projects throughout Southern California including transportation, waste water and water resource. His experience encompassed several project delivery methods including design-bid-build and design-build. Mr. Gerges' expertise is in the areas of highway design, site development, drainage, pavement rehabilitation, roadway widening, and wet and dry utility design. He also has been responsible for assisting several public agencies in directing capital improvement and development review programs. Mr. Gerges' representative projects include the following:

Port of Long Beach, Harbor Scenic Drive Roadway Improvement Project. Project Manager. Harris has partnered with the Port of Long Beach (POLB) in a comprehensive Basis of Design Report and a complete set of Plans, Specifications and Estimate opinions (PS&E) for the rehabilitation of Harbor Scenic Drive, from the end of the I-710 freeway just north of Ocean Blvd to Harbor Plaza (L = 7,400-feet +/-). The present roadway was built in the late 50's /early 60's and was not anticipated to move such a high volume of truck traffic. The roadway must also accommodate high speed (55 MPH) traffic. It is a complicated web of divided highways, with two to three lanes in each direction, and multiple on and off ramps. Most of the non-truck traffic consists of tourists and locals bound for the Queen Mary, restaurants, hotels and the South Shore Boat Launch Ramp.

City of Torrance, SR-1 at SR-107 (Hawthorne Boulevard) Intersection Improvements. Harris will provide full engineering services, including preliminary and final design, survey, ROW acquisition, traffic engineering, utility relocation, potholing, landscape design, community outreach and construction support. The purpose of this

project is to enhance the intersection of Pacific Coast Highway and Hawthorne Boulevard, which will also provide operational relief along these routes and to the I-405 Freeway. The project is intended to widen and upgrade the intersection via the acquisition of right-of way, construction of dedicated right and left-hand turn pockets, restriping, and resignalization. Utility relocation will be required. Limits of this project are 500 feet on all directions from the intersection of Pacific Coast Highway and Hawthorne Boulevard. Project involves roadway, drainage, traffic and utility design.

City of Glendale, Cañada Boulevard Storm Drain Construction and Street Resurfacing. Mr. Gerges is serving as Project Director responsible for the evaluation, investigation and design of a storm drain system under Ramona Avenue, Cañada Blvd and Del Valle Avenue. Harris is also responsible for the preparation of street improvement plans for the resurfacing of Cañada Blvd from southerly to northerly intersection with Verdugo Road.

City of West Hollywood, Engineering Studies for Robertson-Melrose-Beverly. Complete engineering studies for future use on "The Avenues District" streetscape design project. The future design project will revitalize the subject area and provide an extraordinary opportunity to combine the latest state-of-the-art green and sustainable technologies with the City's unique charm, creating more than just a desirable destination, but a sense of place that is both pride-inducing and authentic. The City's goal that is driving the Avenues Streetscape Project Master Plan is to strengthen the economic vitality of the district by improving the pedestrian environment, adding bicycle infrastructure, adding public gathering spaces and landscaping, while improving the overall aesthetics and functionality of the streets.

City of Rancho Palos Verdes, San Ramon Canyon Storm Drain System. Mr. Gerges is serving as Project Director and is responsible for the preparation of PS&E for this \$12 million storm drain project. Harris previously prepared a Project Study Report and completed preliminary design for several alternatives, for the San Ramon Canyon Drainage System. The primary goal is to develop a storm drain system that delivers storm water flows without further causing erosion to the existing canyon slopes and stabilizes both the San Ramon Canyon slopes and the "switchbacks" along Palos Verdes Drive East (PVDE). This project also provides trail improvements from Palos Verdes Drive South (PVDS) connecting to the existing California Coastal Trail.



Randall Berry, PE Project Manager

Education: BS, Civil Engineering, CSU Fullerton, 1984

Registration: Professional Civil Engineer, CA # 44642

Memberships:

American Public Works Association (APWA)

American Society of Civil Engineers (ASCE)

North American Society for Trenchless Technology

Orange County Water Association (OCWA)

Society of Military Engineers (SAME)

Mr. Berry has 30 years of solid professional engineering experience in public works design with an emphasis in street design, street widening and rehabilitation, storm drains, and grading. Mr. Berry has been involved in every aspect of project design from the development of scope and fees during the proposal stage, through PS&E preparation phase, to construction bidding, inspection, and administration. Mr. Berry specializes in providing timely, accurate and personalized public works services throughout his entire career. The fact that he has provided repeat professional services to over 95% of his municipal clients attests to the level of quality and satisfaction he maintains. Mr. Berry has provided professional civil engineering services to over 50 city, county, and special district agencies. Mr. Berry's representative projects include:

Port of Long Beach, Harbor Scenic Drive. Harris has partnered with the Port of Long Beach (POLB) in a comprehensive Basis of Design Report and a complete set of Plans, Specifications and Estimate opinions (PS&E) for the rehabilitation of Harbor Scenic Drive, from the end of the I-710 freeway just north of Ocean Blvd to Harbor Plaza (L = 7,400-feet +/-). The present roadway was built in the late 50's /early 60's and was not anticipated to move such a high volume of truck traffic. The roadway must also accommodate high speed (55 MPH) traffic. It is a complicated web of divided highways, with two to three lanes in each direction, and multiple on and off ramps. Most of the non-truck traffic consists of tourists and locals bound for the Queen Mary, restaurants, hotels and the South Shore Boat Launch Ramp.

City of Torrance, SR-1 at SR-107 (Hawthorne Boulevard) Intersection Improvements. Harris will provide full engineering services, including preliminary and final design, survey, ROW acquisition, traffic engineering, utility relocation, potholing, landscape design, community

outreach and construction support. The purpose of this project is to enhance the intersection of Pacific Coast Highway and Hawthorne Boulevard, which will also provide operational relief along these routes and to the I-405 Freeway. The project is intended to widen and upgrade the intersection via the acquisition of right-of way, construction of dedicated right and left-hand turn pockets, restriping, and resignalization. Utility relocation will be required. Limits of this project are 500 feet on all directions from the intersection of Pacific Coast Highway and Hawthorne Boulevard. Project involves roadway, drainage, traffic and utility design.

City of West Hollywood, Engineering Studies for Robertson-Melrose-Beverly. Complete engineering studies for future use on "The Avenues District" streetscape design project. The future design project will revitalize the subject area and provide an extraordinary opportunity to combine the latest state-of-the-art green and sustainable technologies with the City's unique charm, creating more than just a desirable destination, but a sense of place that is both pride-inducing and authentic. The City's goal that is driving the Avenues Streetscape Project Master Plan is to strengthen the economic vitality of the district by improving the pedestrian environment, adding bicycle infrastructure, adding public gathering spaces and landscaping, while improving the overall aesthetics and functionality of the streets.

City of Redondo Beach, Esplanade Streetscape Improvements. Mr. Berry served as Project Manager to improve a 5,000-foot reach along Esplanade, which is a coastal roadway that serves one of California's most beautiful beaches as well as million dollar adjacent beach homes. The project consisted of installing streetlight conduits and pull boxes for a future streetlight upgrade in later phase, re-striping the roadway, adding "bulb-out" sidewalk landings and improving curb ramps at all pedestrian crossings, adding landscaped raised medians, rehabilitating the AC pavement, adding enhanced ocean overlook platforms with artistic "seat walls", adding enhanced bluff landscaping along the top of the coastal bluff and widening sidewalk along the coastal bluff and enhancing the paving surface. The project also included a full topographic survey, geotechnical investigation, and environmental clearances, water quality enhancements as well as the preparation of plans, specifications and estimates.

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

City of West Hollywood, Sunset Strip Beautification and Enhancement Study. Mr. Berry served as Project Manager for the \$6 million beautification project which included the preparation of PS&E for 1.63 miles of Sunset Blvd. (west city limit to east city limit). The study included improving/rehabilitating PCC pavement, sidewalks, ramps, medians, striping, traffic signals, landscaping and development of comprehensive plans to address needs, alternatives and costs to allow for the grouping/phasing of work. As part of the study several alternative streetlight designs were considered, which included accommodations for decorative banners, up-lighting for street trees and additional outlets for special events along the Sunset Strip. The study also included improvements to over 70 custom curb ramps, 12 signal modifications, new raised landscaped medians, the development of five street tree “districts”, signal timing and synchronizing improvements and two community feedback meetings.

City of Santa Ana, Bristol Street Widening, Phase I (McFadden to Pine). Mr. Berry served as Project Manager for the design of just under one mile of Bristol Street in the City of Santa Ana to bring it to its ultimate condition as a major arterial highway. The work added one lane of travel in each direction, both decorative pedestrian level lighting and street lighting systems, raised landscaped medians, continuous sound walls, eight cul-de-sacs to limit side street intersections, two traffic signal modifications, wide landscaped parkways with wide sidewalks and curb ramps and a master planned storm drain system. The project also included a full topographic survey, up to seventy (70) full-take right-of-way acquisitions, approximately thirty (30) partial-take right-of-way acquisitions and a geotechnical investigation. The project was a high profile, top priority improvement for the City of Santa Ana that helped Bristol Street to function properly as a critical central corridor for Orange County, connecting the “Orange Crush” (I-5 / SR-22 / SR-57) interchange with the South Coast Plaza and Performing Arts Center.

City of Rancho Palos Verdes, McCarrell Drainage System Design. Mr. Berry served as Project Manager for the preparation of PS&E construction documents for the APWA 2009, “Project of the Year” award winning McCarrell Canyon Storm Drain and Palos Verdes Drive South Widening project, which was estimated at \$6.3 million in construction costs, with actual bids coming in at \$5.9 million. The 66-inch diameter pipe was designed

to convey a 100-year storm and collects runoff from the steep natural McCarrell Canyon, which total to 340 acres. An existing bottleneck in Palos Verdes Drive South was also removed bringing the roadway to ultimate width. Services also included preparing a detailed hydrology and hydraulics study, a geotechnical study, topographic and utility detection surveys, full environmental clearances, public outreach meetings and city council presentations.

City of Huntington Beach, SR-39 (Beach Boulevard) Widening. Project Manager for the design of widening improvements to add a northbound lane on Beach Boulevard at Edinger Avenue, which is a State Highway 39 and under the jurisdiction of Caltrans. The project required design surveys, alignment studies, roadway widening plan and profiles, updating all curb ramps to the latest ADA standards, R/W acquisitions, storm drain system modifications, traffic signal modifications, striping and signing plans, streetlight relocations, various utility relocations, parkway landscaping and the preparation of PS&E construction documents.

City of Huntington Beach, Brookhurst Street and Adams Avenue Widening Transportation Planning Study. Project Manager for the widening of all four legs of the intersection of Brookhurst Street and Adams Avenue. The improvements included installing a bus turnout at the existing bus stop at northbound Brookhurst Street at Adams Avenue; installing a bus turnout at the existing bus stop at southbound Brookhurst Street at Adams Avenue; consolidating driveways on the northbound and southbound sides of Brookhurst Street at Adams Avenue; adding a fourth through lane in the north, south, east and westbound approaches at Brookhurst Street/Adams Avenue; and adding dedicated right turn lanes in the north and southbound approaches. The Harris Team was responsible for the preparation of traffic studies, project report and 50% plans and estimates.

Tapas Dutta, PE QA/QC

Education:

MS, Civil Engineering, Virginia Tech 1991

BS, Civil Engineering, Jadavpur University, India 1988

Registration: Professional Civil Engineer, CA # C53208

Memberships: America Public Works Association (APWA)

Mr. Dutta has 25 years of experience in civil engineering, with a focus on the planning, design and management of major roadway and highway projects. In the last 15 years, he has been involved in business development and proposal preparation for a variety of clients including Cities, and agencies such as OCTA and Metro. His diverse and extensive background working for both the public (Caltrans District 7) and private sectors gives him solid knowledge of the design and management of a variety of projects from preliminary engineering through final plans, specifications, and estimates (PS&E). Mr. Dutta is also a highly capable manager of engineering and CAD staff, with a proven ability to successfully oversee design quality for complex civil engineering projects. His background also includes providing training on a number of technical topics and producing peer-reviewed technical documents.

Mr. Dutta will provide oversight to our design engineers to make sure that deadlines are met, quality of finished products meet City standards, QA/QC and B/C review guidelines are met and that the City's expectations are met.

Alameda Corridor East/City of Industry Fairway Drive Grade Separation Project – Independent Reviewer. Performed detailed independent technical review of the grade separation project including roadway, drainage, traffic and sewer plans. Also reviewed the technical specifications.

LADOT, Lincoln Boulevard Jefferson Boulevard to Fiji Way Feasibility Study. Project Manager. Responsible for the preparation of a feasibility study for the Los Angeles Department of Transportation (LADOT) for the proposed widening of Lincoln Boulevard (SR 1) between Fiji Way in Marina Del Rey, CA, and Jefferson Boulevard in the Playa Vista neighborhood, a distance of 0.6-mile, from five lanes to six lanes of vehicular traffic, with bicycle lanes and sidewalks and provisions for a transitway in the median.

City of Laguna Hills, Paseo De Valencia Reconstruction.

Project Manager. Oversaw design for the reconstruction of 2,400 feet of Paseo de Valencia in Laguna Hills, CA. The project includes widening one side of the roadway from two lanes to three lanes. Mr. Dutta's responsibilities include reviewing plans for the roadway, sidewalks, bikeways, sound barrier walls, county trail, landscaping, signals, and utility relocations.

IVDA, 3rd and 5th Street Improvements. Technical Reviewer. Completed a detailed technical review of the plan set for the widening of 3rd and 5th streets from Tippecanoe Avenue to Victoria Avenue as well as the widening of Tippecanoe Avenue, Del Rosa Drive, and Sterling Avenue between 3rd and 5th streets in San Bernardino and Highland, CA, for the Inland Valley Development Agency (IVDA). Mr. Dutta also authored the specifications package.

City of Los Angeles, Valley Boulevard to Alhambra Avenue Connector and Grade Separation. Deputy Project Manager/Lead Civil Engineer. Performed preliminary and final design and PS&E for a new 4-lane connector road between Valley Boulevard and Alhambra Avenue in Los Angeles. The 0.5-mile-long connector includes a bridge under Union Pacific Railroad (UP) tracks. Mr. Dutta coordinated with multiple entities, including UP, the City of Alhambra, the Los Angeles Bureau of Engineering, the Los Angeles Department of Transportation, Los Angeles County, and the California Department of Transportation.

City of Industry Fullerton Road Grade Separation Technical Review - Project Manager. Providing independent technical review of construction plans to lower Fullerton Road under existing Union Pacific Railroad tracks in the City of Industry, CA, between Rowland Street and SR 60. The \$138 million Alameda Corridor-East Construction Authority project will construct a 6-lane roadway underpass on Fullerton Road with retaining walls and bridges for the railroad and Railroad Street spanning Fullerton Road. Mr. Dutta's responsibilities include review of roadway, traffic, signing and striping, staged construction, and signal plans. He reviewed the technical specifications.

Randall Bliss, PE Civil Engineering Design Streets and Parks

Education: BS, Civil Engineering, CSU Fullerton 1987

Registration: Professional Civil Engineer, CA # 51293

Mr. Bliss has 27 years of experience in civil engineering as a roadway designer and is adept at using the latest state-of-the-art computerized CADD design and modeling tools. He has extensive construction inspection and field engineering experience, which translates well to his practical and constructible designs. He served as Project Engineer on the award winning Pomerado Road Widening and Rehabilitation project in the City of Poway and has recently completed roadway rehabilitation designs for the cities of Lake Elsinore, Lake Forest, Yorba Linda, Irvine, San Marino, Tustin, Garden Grove, and Glendale, as well as the Los Angeles County Department of Public Works. In addition to design, he has prepared studies and reports for civil projects. Mr. Bliss' representative projects include the following:

Port of Long Beach, Harbor Scenic Drive. Harris has partnered with the Port of Long Beach (POLB) in a comprehensive Basis of Design Report and a complete set of Plans, Specifications and Estimate opinions (PS&E) for the rehabilitation of Harbor Scenic Drive, from the end of the I-710 freeway just north of Ocean Blvd to Harbor Plaza (L = 7,400-feet +/-). The present roadway was built in the late 50's /early 60's and was not anticipated to move such a high volume of truck traffic. The roadway must also accommodate high speed (55 MPH) traffic. It is a complicated web of divided highways, with two to three lanes in each direction, and multiple on and off ramps. Most of the non-truck traffic consists of tourists and locals bound for the Queen Mary, restaurants, hotels and the South Shore Boat Launch Ramp.

City of Redondo Beach, Esplanade Streetscape Improvements. Mr. Bliss served as Senior Project Engineer for this project to improve a 5,000-foot reach along Esplanade, which is a coastal roadway. The project consisted of re-stripping the roadway, adding "bulb-out" sidewalk landings and improved curb ramps at all pedestrian crossings, adding landscaped raised medians, rehabilitating the AC pavement, adding enhanced ocean overlook platforms with artistic "wall seats", adding enhanced bluff landscaping along the top of the coastal bluff and adding decorative sidewalk paving surfaces along the coastal bluff.

City of Glendale, Cañada Boulevard Storm Drain Construction and Street Resurfacing. Mr. Bliss is serving as Project Engineer responsible for the evaluation, investigation and design of a storm drain system under Ramona Avenue, Cañada Blvd and Del Valle Avenue. Harris is also responsible for the preparation of street improvement plans for the resurfacing of Cañada Blvd from southerly to northerly intersection with Verdugo Road.

City of Santa Ana, Bristol Corridor Widening, Phase I (McFadden to Pine) Transportation Plan Study. Mr. Bliss was the Senior Project Engineer for the design of just under one mile of roadway to bring it to its ultimate condition as a major arterial highway. The work added one lane of travel in each direction, raised landscaped medians, continuous sound walls, eight cul-de-sacs to limit side street intersections, two traffic signal modifications, wide landscaped parkways and a master planned storm drain system. The project also includes a full topographic survey, up to seventy (70) full-take right-of-way acquisitions, approximately thirty (30) partial-take right-of-way acquisitions, a geotechnical investigation and the preparation of traffic control plans. The project was a high profile, top priority improvement for the City that will help Bristol Street to function properly as a critical central corridor for Orange County.

City of West Hollywood, Sunset Strip Beautification. Senior Project Engineer responsible for the design of this \$6 million beautification project which included the preparation of PS&E of 1.63-miles of Sunset Boulevard (west city limit to east city limit). This project included improving/rehabbing PCC pavement, sidewalks, extensive custom curb ramps, medians, striping, traffic signals, landscaping, and development of comprehensive plans to address needs, alternatives, and costs to allow for the grouping/phasing of the work. Harris also performed a profilograph investigation, traffic counts, traffic signal modifications, and landscape architecture plans. The PS&E phase was built upon Harris' rehabilitation and enhancement study of Sunset Boulevard (west city limit to east city limit). Harris developed a comprehensive report of needs, alternatives, and costs to allow for the grouping/phasing of the work over several years. The study also included a full survey, pavement investigation, traffic counts, and landscape architecture concepts.

City of Rancho Palos Verdes, McCarrell Drainage System

Design. Mr. Bliss served as Senior Project Engineer for the preparation of PS&E construction documents for the McCarrell Canyon Storm Drain and Palos Verdes Drive South Widening project, which was estimated at \$6.3 million in construction costs, with actual bids coming in at \$5.9 million. The 66-inch diameter pipe was designed to convey a 100-year storm and collects runoff from the steep natural McCarrell Canyon, which total to 340 acres. An existing bottleneck in Palos Verdes Drive South was also removed bringing the roadway to ultimate width. Services also included preparing a detailed hydrology and hydraulics study, a geotechnical study, topographic and utility detection surveys, full environmental clearances, public outreach meetings and city council presentations.

City of Huntington Beach, SR-39 (Beach Boulevard)

Widening. Project Engineer for the design of widening improvements to add a northbound lane on Beach Boulevard at Edinger Avenue, which is a State Highway 39 and under the jurisdiction of Caltrans. The project required design surveys, alignment studies, roadway widening plan and profiles, updating all curb ramps to the latest ADA standards, R/W acquisitions, storm drain system modifications, traffic signal modifications, striping and signing plans, streetlight relocations, various utility relocations, parkway landscaping and the preparation of PS&E construction documents.

City of Fullerton, Street and Parking Lot Rehabilitation

Projects, Richman Community Center Site Preparation, On-Call Engineering Services. Project Engineer for this 3-year on-call assignment, which included the preparation of PS&E documents for the parking lot rehabilitation of Hunt Branch Library and Fire Station No. 4, the site grading and utility improvements for the Valencia Community Center in Richman Park and the rehabilitation of Gilbert Street from Commonwealth to Raymer. The work included full design survey, special utility designs/coordination and the preparation of traffic control plans.

Gary Solsona, PE, QSD

Civil Engineering Design

Streets, Water/Wastewater/Storm Drains and Parks

Education: BS, Civil Engineering, CalPoly Pomona 2001

Registration: Professional Civil Engineer, CA # 68420,

Certification: California State Water Resources Control Board, Qualified SWPPP Developer # 23466

Memberships:

American Public Works Association (APWA)

American Society of Civil Engineers (ASCE)

Filipino America Society of Architects and Engineers

Mr. Solsona has 13 years of professional engineering experience in public works design, consisting of award-winning roadway improvements, storm drain, sewer, ADA design, sound wall and retaining wall design projects and preparation of project study reports. Mr. Solsona is adept to the latest design standards for various Cities, Counties and Caltrans and is proficient with the following design programs: AutoCAD, Land Development Desktop, Microstation, RMH (Hydrology), WSPG & Street Capacity (Hydraulics). Mr. Solsona's representative projects include the following:

City of Cypress, 2013-15 On-Call Storm Drain Services.

Project Engineer. Harris was recently selected to continue to provide the City of Cypress with the design of their storm drains throughout the city.

City of Yorba Linda, Town Center Infrastructure Improvement Project.

Mr. Solsona is serving as the Senior Project Engineer. The City of Yorba Linda plans to revitalize its historic Town Center area by combining the latest state-of-the-art green and sustainable technologies and maintaining the City's unique Old Town charm to create more than just a desirable destination, but a sense of place that is both pride-inducing and authentic. The improvements will require a wide variety of street, streetscape, landscape, utility and grading design. Project cost = \$10 million +/-.

Comprehensive Infrastructure Design & PS&E Preparation includes the following: Record of Survey Mapping & Right-of-Way Exhibits, Traffic Design Elements (to optimize "multi-user" access and circulation throughout the Town Center Area), Storm Drain Design (including performing a hydrology & hydraulic study), Sewer & Water Design, Optional Sewer Inspection, Dry Utility Designs, and Site Grading. Additional design considerations will include sustainable solutions and complete streets. Harris will also perform QA/QC and B/C reviews throughout the

project process.

City of Fullerton, Commonwealth Ave Sewer Improvements.

Mr. Solsona served as Project Manager for this project which consisted the preparation of PS&E construction documents to address deficiencies and non-cleaning velocities in multiple existing 12" VCP sewer mains along two separate reaches of Commonwealth Avenue.

Garden Grove Sanitation District, Sewer Improvements - Projects 20, 21, 22 & 23.

Mr. Solsona served as Project Engineer for the preparation of detailed PS&E construction documents for the GGSD master plan facilities CIP Projects 20, 21, 22 and 23. The project included 2,150 linear feet of main line sewer upsizing to 15-inch VCP and 900 linear feet of main line sewer upsizing to 12-inch VCP. Harris proposed an innovative alignment through an apartment alley to reduce the total pipe length required and increase the pipe slope, which also required a permanent sewer easement. A utility detection survey was utilized to avoid utility conflicts in advance and the new sewer was strategically placed to increase the separation from a parallel 33-inch high pressure gas line to maximize both short-term and long-term safety. Additionally two large storm drain crossings created the need for special sewer crossing details and permission from the Orange County Flood Control District.

City of Cypress, Ball Road/Carbon Creek Channel Storm Drain.

Project Manager. The project includes design services for the replacement of an existing storm drain system (size varies from 16" to 18") in Ball Road, from Cabron Creek Channel to Myra Avenue (approx. 292' in length), which was determined by the City's Storm Drain Master Plan to be capacity deficient (Drainage System 10 (C10)). The proposed size is 54". The Scope of Services is divided into four phases incorporating several tasks. The first phase of work is the data collection and creation of base sheets. This includes research and investigation of existing conditions as well as the development of a preliminary design. The second work phase is the preparation of construction documents for the improvements. The third work phase includes the development of the project final plans, specifications, and an estimate of probable construction costs. The fourth work phase includes the final construction phase including engineering support and bid assistance. Not shown in each work task, but included in the project scope, are project management, meetings, and coordination of the work with the City and other affected parties.

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

City of Redondo Beach, Esplanade Streetscape Improvements.

Mr. Solsona served as Project Engineer during Construction Assistance for this project to improve a 5,000-foot reach along Esplanade, which is a coastal roadway. The project included re-stripping the roadway, adding “bulb-out” sidewalk landings and improved curb ramps at all pedestrian crossings, adding landscaped raised medians, rehabilitating the AC pavement, adding enhanced ocean overlook platforms with artistic “wall seats”, adding enhanced bluff landscaping along the top of the coastal bluff and widening sidewalk along the coastal bluff and enhancing the paving surface.

City of Huntington Beach, Trinidad Water. Mr. Solsona served as Project Engineer for the design and preparation of PS&E along with utility coordination, topographic survey for the removal of the existing water main and support brackets and the installation of 8-inch ductile iron pipe with restraint joints, including pipe supports, fittings.

City of West Hollywood, Engineering Studies for Robertson-Melrose-Beverly. Complete engineering studies for future use on “The Avenues District” streetscape design project. The future design project will revitalize the subject area and provide an extraordinary opportunity to combine the latest state-of-the-art green and sustainable technologies with the City’s unique charm, creating more than just a desirable destination, but a sense of place that is both pride-inducing and authentic. The City’s goal that is driving the Avenues Streetscape Project Master Plan is to strengthen the economic vitality of the district by improving the pedestrian environment, adding bicycle infrastructure, adding public gathering spaces and landscaping, while improving the overall aesthetics and functionality of the streets.

City of West Hollywood, Sunset Strip Beautification. Mr. Solsona served as Project Engineer for the design of this \$6 million beautification project which included the preparation of PS&E of 1.63-miles of Sunset Boulevard (west city limit to east city limit). This project improved/rehabilitated PCC pavement, sidewalks, extensive custom curb ramps, medians, striping, traffic signals, landscaping, and development of comprehensive plans to address needs, alternatives, and costs to allow for the grouping/phasing of the work. Harris also performed a profilograph investigation, traffic counts, traffic signal modifications, and landscape architecture plans.

City of Santa Ana, Bristol Street Widening, Phase I

(McFadden to Pine). Mr. Solsona served as Project Engineer for the design of just under one mile of Bristol Street. The work added one lane of travel in each direction, raised landscaped medians, continuous sound walls, eight cul-de-sacs to limit side street intersections, two traffic signal modifications, wide landscaped parkways and a master planned storm drain system. The project was a high profile, top priority improvement for the City of Santa Ana that helped Bristol Street to function properly as a critical central corridor for Orange County, connecting the “Orange Crush” (I-5 / SR-22 / SR-57) interchange with the South Coast Plaza and Performing Arts Center.

Elizabeth Reyes, PE, QSD

Civil Engineering Design

Streets and Water/Wastewater/Storm Drains

Education: BS, Civil Engineering, CalPoly Pomona 2000

Registration: Professional Civil Engineer, CA # 66810

Certification: California State Water Resources Control Board, Qualified SWPPP Developer # 23518

Memberships:

California State Water Resources Control Board

Women's Transportation Seminar

Ms. Reyes has over 14 years of experience as a Project Manager and Engineer. She has been responsible for a variety of projects, including designs and preparation of plans, specifications, and estimates for sewer, street, airport, flood control projects. Nearly all of Ms. Reyes' work has been for public agencies so she is familiar with the Greenbook and other public works standards. Ms. Reyes' representative projects include the following:

City of Cypress, 2013-15 On-Call Storm Drain Services. Project Engineer. Harris was recently selected to continue to provide the City of Cypress with the design of their storm drains throughout the city.

Port of Long Beach, Harbor Scenic Drive Roadway Improvement Project. Harris has partnered with the Port of Long Beach in a comprehensive Basis of Design Report and a complete set of Plans, Specifications and Estimate opinions (PS&E) for the rehabilitation of Harbor Scenic Drive, from the end of the I-710 freeway just north of Ocean Blvd to Harbor Plaza. The primary project goal is to improve the roadway pavement conditions, which are failing in the majority of the project area. This is especially important because Harbor Scenic Drive has such a high volume of truck traffic (75% trucks, six days a week, 24 hours a day) and serves as a critical link in the port's cargo movement in and out of the area (Pier F's connection to the I-710 Freeway).

City of Redondo Beach, Beryl Street Drainage Improvements and Beryl/190th Street Traffic Signal. Design Engineer. Harris was chosen to provide PS&E for the street, storm drain and traffic signal improvements. Hydrology and Hydraulic Study, Topographic Survey, Pavement Coring and Preparation Plans, Specifications and Estimate for Street, Storm Drain and Traffic Improvements.

City of Torrance, SR-1 at SR-107 (Hawthorne Boulevard) Intersection Improvements. Senior Project Engineer responsible for the design and preparation of contract documents. Harris will provide full engineering services, including preliminary and final design, survey, ROW acquisition, traffic engineering, utility relocation, potholing, landscape design, community outreach and construction support. The purpose of this project is to enhance the intersection of Pacific Coast Highway and Hawthorne Boulevard, which will also provide operational relief along these routes and to the I-405 Freeway. The project is intended to widen and upgrade the intersection via the acquisition of right-of way, construction of dedicated right and left-hand turn pockets, restriping, and resignalization. Utility relocation will be required. Limits of this project are 500 feet on all directions from the intersection of Pacific Coast Highway and Hawthorne Boulevard. Project involves roadway, drainage, traffic and utility design.

City of Rancho Palos Verdes, San Ramon Canyon Storm Drain System. Ms. Reyes is serving as Project Engineer and is responsible for the preparation of PS&E for this \$12 million storm drain project. Harris previously prepared a Project Study Report and completed preliminary design for several alternatives, for the San Ramon Canyon Drainage System. The primary goal is to develop a storm drain system that delivers storm water flows without further causing erosion to the existing canyon slopes and stabilizes both the San Ramon Canyon slopes and the "switchbacks" along Palos Verdes Drive East (PVDE).

City of Rancho Palos Verdes, Palos Verdes Drive East (PVDE) Switchback Sewer Relocation Project. As Project Engineer, Ms. Reyes prepared PS&E for the relocation of approximately 620 lineal feet of 8" sewer adjacent to the lower PVDE switchback and the westerly San Ramon Canyon slope. This included grading and interim storm drain energy dissipation improvements (rip rap placement and erosion backfill) to address the erosion within the adjacent area to the PVDE lower switchback from the drainage system that outlets above the upper switchback. The realigned sewer was constructed as close to the lower switchback roadway as feasible in a shallow vertical alignment that was compatible with the potential future stabilization measures consisting of a caisson wall with a grade beam and tieback anchors. The sewer relocation also cleared the path for the ultimate San Ramon Canyon Drainage Improvements and Tarapaca landslide stabilization.

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City of Bakersfield, Kern River Upland and River Edge Restoration Project. Ms. Reyes served as Project Engineer for the preliminary design, final design plans, specifications and cost estimate and managing the multi-firm project team for this \$1.8 million project to restore land adjacent to the Kern River to an enhanced natural condition. The new park focuses on conservation and interpretive enhancements, which provides the Bakersfield school children and the general public opportunities to observe and learn about native plants and animals in their natural habitat. The new park comprises 2,500 linear feet of frontage along the Kern River and encompasses 10.25 acres of land. Proposed amenities include six conservation and interpretive kiosks with different themes including river hydrology, native plant life, native fauna, history of the local irrigation canal system, and history of the adjacent Pacific Railroad corridor. Improvements also include natural walking paths, overlook platforms, native shrubs, grasses and trees. Public access is provided through five formal public pedestrian access points, including the Kern River Bike Path and a new pedestrian bridge over an adjacent canal from an existing ballpark.

City of Irvine, Orange County Great Park Pedestrian Promenade Enhancements and Parking Lot Expansion. Ms. Reyes is serving as Project Engineer for these projects. The parking lot expansion is located north of the existing parking lot and will vary from approximately 80' to 180'. The new pedestrian Promenade corridor will be constructed along the westerly side of the existing parking lot in an existing PCC corridor that is presently fenced off from the public due to a lack of sufficient safety lighting. The improvements will not require extensive grading because the historic PCC runway pavement already exists in these areas. The primary improvements will include re-slurry coating of the AC pavement areas, re-striping and extension of parking stalls and circulation lanes, Promenade and parking lot planter installations (utilizing existing boxed trees from the OC Great Park site), related irrigation improvements, extended/enhanced lighting, bollards and bench seating among other amenities.

City of Glendale, Cañada Boulevard Storm Drain Construction and Street Resurfacing. Ms. Reyes is serving as Project Engineer and is responsible for the evaluation, investigation and design of a storm drain system under Ramona Avenue, Cañada Blvd and Del Valle Avenue. Harris has submitted the drain for transfer of ownership

and maintenance of the system to the Los Angeles County Department of Public Works through the Miscellaneous Transfer Drain process as MTD 1842. This system is designed following water quality guidelines as set by the Los Angeles County Department of Public Works, Development Planning for Storm Water Management, dated September 2002. The hydrology of the system has received a green sheet and plans are pending final approval from the Land Development Department. Harris will also prepare street improvement plans for the resurfacing of Cañada Blvd.

City of West Hollywood, Sunset Strip Beautification. Ms. Reyes served as Project Engineer for the design of this \$6 million beautification project which included the preparation of PS&E of 1.63-miles of Sunset Boulevard (west city limit to east city limit). This project improved/rehabilitated PCC pavement, sidewalks, extensive custom curb ramps, medians, striping, traffic signals, landscaping, and development of comprehensive plans to address needs, alternatives, and costs to allow for the grouping/phasing of the work. Harris also performed a profilograph investigation, traffic counts, traffic signal modifications, and landscape architecture plans.

City of Huntington Beach, Design of the Central Park Pump Station. Ms. Reyes served as Project Engineer for the Central Park Pump Station which consisted of new electrical, mechanical and structural plans for the installation of the new booster pump station for irrigation water at Central Park. Tasks included meetings and coordination, geotechnical analysis, foundation plan, electrical plans, and mechanical plans. The improvements allowed the City of Huntington Beach to store and reuse excess reclaimed water for park irrigation purposes.

Rob Melsheimer, PE Civil Engineering Design Streets

Education: BS, Civil Engineering, Missouri-Rolla 2005
MS, Transportation Engineering, Purdue University 2007

Registration: Professional Civil Engineer, CA # C83040

Memberships: American Society of Civil Engineers

Rob Melsheimer is a civil engineer experienced in highway engineering, traffic, planning and site development. Design projects that he has worked on have included new roadway construction, roadway improvements, signal relocation, signing and pavement marking, temporary traffic control plans, water and wastewater design and commercial, residential and industrial site development. Mr. Melsheimer also has experience in developing traffic impact study reports and master circulation study reports. His technical skills further include horizontal and vertical alignment design, superelevation design, sight distance calculations, quantity and cost estimates and utility design. He is experienced in drafting in both AutoCAD and Microstation, designing with InRoads and using several other transportation and traffic engineering software programs.

San Francisco-Oakland Bay Bridge – SAS Project, Oakland, California. Researched and solved design and constructability issues during construction, and managed document control and processing of RFIs, CCOs, submittals, and a continuously updated plan set for civil, mechanical, and electrical plans. (Caltrans, \$6.4 billion)

Los Carneros Roundabout, Goleta, California. Designed grading layout, and signing and pavement marking plans for the single-lane roundabout. (City of Goleta, \$19.8 million)

Minto Place Apartments, Watsonville, California. Worked on elements of the off-site improvements design, and helped produce the plan set. He designed the vertical alignments for pavement replacement, while addressing drainage challenges with new curb & gutter, sidewalk, and driveways. (Mid-Peninsula Housing Corp., \$32.8 million)

I-80/Central Ave. Operational Improvements Project, Richmond, California: attended client meetings and helped design and produce signing plan alternatives, exhibits, and reports as the designer on this traffic mitigation project. (City of Richmond, \$3.5 million)

I-69 Project, Washington, Indiana. Roadway Designer on a team that produced plans for two segments of this project. The two segments combined for the design of approximately 9 miles (14.5 kilometers) of new rural interstate. One segment was design-build and the other was design-bid-build. His primary responsibilities on this project were as a side-road designer. Design tasks included horizontal and vertical alignments, superelevation, typical sections, road closure details, intersection and cul-de-sac spot elevation details, pavement marking details, a retaining wall detail, roadway modeling and cross sections. (INDOT, \$3.9 billion)

State Route (SR) 520 Pontoon Construction Design-Build Project, Aberdeen, Washington. Civil Designer on the team that developed the request for proposals (RFP) package for the SR 520 Pontoon Construction Facility. Design tasks for this effort included calculating a combined scale factor, converting survey data from state plane to project datum, developing site prep plans, designing a parking lot layout, work zone traffic control, developing and evaluating conceptual site access alternatives, railroad crossing design, signing and pavement marking plans, paving plans, horizontal and vertical alignment design for a new access road and quantity and cost estimates. He also assisted in writing and editing many draft reports, presentations and sections of the RFP. (WSDOT, \$4.5 billion)

CityScape, Phoenix, Arizona. Designed the temporary traffic control plans for the CityScape development in Phoenix, Arizona. CityScape is a two-block, high-rise, mixed-use development set in the heart of downtown Phoenix. The project required several lane closures at various times on the surrounding streets and a complete closure of Central Avenue, the street between the two blocks of the development. The temporary traffic control plan included multiple phases of temporary signing and striping for the lane closures, as well as a detour plan for the Central Avenue closure. (RED Corporate, \$900 million)

Scottsdale Quarter, Scottsdale, Arizona. Designed the off-site signing and striping plans for the Scottsdale Quarter commercial development in Scottsdale, Arizona. This involved creating additional lanes, realigning existing lanes and control for multiple access points to the site. (WP Glimcher)

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Sende Vista Curb and Sidewalk Project, Guadalupe, Arizona. Responsible for the design of the improvements for Carmen Street in Phase IV of the curb and sidewalk project in Guadalupe. Design elements for this project included adding new curb and sidewalk to the existing street and matching construction of previous phases at each intersection, sawcutting and removing pavement sections to improve the roadway cross-section and solving drainage issues by designing the grading and a scupper for a drainage ditch. (City of Guadalupe)

Route 66 Enhancement Performance Plaza, Winslow, Arizona. Created the grading plan for the Route 66 Enhancement Performance Plaza in downtown Winslow, Arizona. This involved working with the landscape architect to integrate their hardscape design elements for the site into a functioning drainage plan. (City of Winslow)

Route 66 Renaissance, Winslow, Arizona. Served as the lead transportation designer on this beautification project for a section of Route 66 in downtown Winslow, Arizona that included ten intersections. Design elements of this project included new Americans with Disabilities Act (ADA) compliant sidewalk ramps, removal and replacement of damaged sections of sidewalk and curb, new street pavement and paver crosswalks at intersections, grading and drainage design for the intersections and working closely with the landscape architect to incorporate their hardscape, irrigation and planting design elements of the project. (City of Winslow, \$10 million)

First Mesa Commerce Park, Mesa, Arizona. Responsible for the signal relocation design at the intersection of Elliot Road and Ellsworth Road as well as the design of new conduit placement for two proposed future intersections that will provide access to the commerce park. (BRE Commercial)

Thunderbird Business School Traffic Impact Study, Glendale, Arizona. Performed many of the main design responsibilities for this traffic impact study. The development included two phases of expansion to existing facilities on the site. Existing conditions were first analyzed and then compared to calculated conditions after each phase. The 157-acre (64-hectare) site included a business school, residential, commercial, office and hotel development. Duties performed included trip generation, distribution and assignment calculations, level of service

analysis, traffic signal warrant analysis, storage length analysis and recommended roadway improvements. (Thunderbird)

Trillium Master Circulation Study, Buckeye, Arizona. Acted as the lead transportation designer on this master circulation study for a 3,029-acre (1,225-hectare) mixed-use development. Responsibilities included trip generation calculations, trip distribution and assignment that accounted for existing and proposed surrounding developments and roadway classification. (El Dorado Holdings)

Surprise Farms Park, Surprise, Arizona. Performed design work for the fire line, water line, and wastewater line for Phase I of the park. This involved coordinating with the landscape architect to connect from the existing services to the proposed locations of fire hydrants, restrooms, and concession facility.

Snedigar Park, Chandler, Arizona. Designed the location, slopes, and elevations of a sewer line and manholes to connect restrooms in the park to existing service. This involved working closely with the landscape architect, contractor, and city officials to resolve design and construction issues as they arose.

Gail Masutani, PhD, PE Civil Engineering Design Water/Wastewater/Storm Drains

Education: BS, Civil Engineering, University of Hawaii 1978, MS, Civil Engineering, UCLA 1981, PhD Civil Engineering, UCLA 1988

Registration: Professional Civil Engineer, CA # 46733

Memberships:

American Society of Civil Engineers (ASCE)

Water Environment Federation (WEF)

Dr. Masutani has 23 years of civil engineering experience involving transmission mains, distribution pipelines, pressure reducing stations, and pump station design, and water distribution planning. She served as project engineer on the Stonebridge Estates water facilities which included the 1135 and 1250 pump stations, the 1135 welded steel tank reservoir, and five pressure reducing stations. She designed an additional seven pressure reducing stations throughout the City. Dr. Masutani also has extensive wastewater infrastructure experience having designed the City's Otay Trunk Sewer Phases 1A, 1B, 2B, and SR 905 crossing. For all designs, Dr. Masutani prepared the hydraulic calculations, design, specifications and cost estimates.

County of San Diego. Project Manager. Gail was an extension of County staff for the Public Works, Wastewater Division. On a part-time basis for four months, she assisted the County with the following projects:

- Reviewed of the Julian WWTP Plant Improvement construction drawings and prepared the technical specifications
- Updated spreadsheet catalog of equipment of the County's wastewater and water treatment facilities
- Reviewed and recommended revisions to the Campo Hills Water Treatment System
- Assisted County with revising piping at the Campo Hills Water Treatment Plant to improve pump hydraulics
- Revised the WAS/RAS pump area piping at the Julian WWTP

Otay Water District, As-Needed Engineering. Project Manager. Design included reservoir and pump station upgrades, pressure reducing station designs, and water and recycled water pipelines, in support of the District's Capital

Improvement Program (CIP).

- Rancho Del Rey Wellhead Treatment/Brine Disposal Analysis
- Design of Patzig Reservoir Floating Cover Replacement
- SR 11 Utility Relocations
- Pipeline Encasement Structural Loading Analysis
- Construction Equipment Structural Load Calculations for 680-1
- Reservoir and 944-1 Pump Station

Otay Water District, SR 11 Utility Relocations. Project Manager. This project included the design of 660 linear feet of 10-inch PVC pipe and 330 linear feet of 18-inch welded steel pipe. The relocations were part of the Caltrans SR 11 project. The 18-inch will be open-trench installation within a 33-inch steel casing spanning the Caltrans right-of-way.

Northern Route Pipeline. Pala, California. Associate Project Manager. This project included the design of approximately 62,000 linear feet of 36-inch to 45-inch welded cement mortar-lined and coated steel transmission main, and two 6.0 MG reservoirs. Design challenges included several stream crossings requiring scour protection, and two crossings where the pipeline would be constructed on piers. In addition, steep slopes (greater than 25 percent) required scour protection and, in some cases, special pipeline design. She oversaw the completion of the waterline and reservoir construction drawings, specifications, and cost estimate.

Oakey/Meadows Storm Drain Phase 1. Las Vegas, Nevada. Senior Project Engineer. This project included utility relocations associated with storm drain design. The utility crossings included three 30-inch water main relocations, smaller water pipelines and sewer abandonment and relocations. Ms. Masutani oversaw the completion of the construction drawings and prepared the loading calculations, detailed connections, technical specifications, and preliminary cost estimates.

City of San Diego, East Clusters Waterline. San Diego, California. Project Manager. This project included the design of approximately 8,500 linear feet of 20-inch water pipeline. Gail prepared the design calculation for steel pipe thickness, loading calculations, specifications, and reviewed the design drawings. The design included both steel and PVC pipe materials.

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City of Oceanside, 24-inch Mesa Drive Waterline and Two Pressure Reducing Stations. Oceanside, California. Senior Project Engineer. Ms. Masutani was responsible for the design team leading the effort to design approximately 12,000 linear feet of 24-inch ductile iron pipe water transmission main and two pressure reducing stations. Project challenges included static pressures exceeding 300 psi, finalizing the horizontal alignment through utility-filled corridors, and a narrow right-of-way to site the pressure reducing stations. Ms. Masutani oversaw the completion of the construction drawings, and prepared the construction cost estimate, and specifications.

City of San Diego, StoneBridge Parkway 1135 Pump Station and 1250 Pump Station. Senior Project Engineer responsible for the design of the 1.7 MG storage reservoir, two potable water pumping stations, and five pressure reducing stations, which are required to provide water service for the development. The StoneBridge Estates Development was located within the northeastern limits of the City of San Diego. Gail oversaw the completion of the construction drawings and prepared technical specifications and the cost estimate. The 1135 Pump Station had two 40 hp, 756 gpm and two 200 hp 3,000 gpm vertical turbine pumps. The 1250 Pump Station has two 35 hp, 455 gpm and two 100 hp, 2000 gpm vertical turbine pumps. Both above-grade pump stations included flow meters, full telemetry system and control room, enclosed emergency generator, adjustable speed “magnetic” drives, and passive cathodic protection system.

City of El Cajon, Johnson Avenue Trunk Sewer. El Cajon, California. Project Manager. This project included the design of approximately 9,000 linear feet of 30-inch to 42-inch trunk sewer. Project challenges included deep sewer, narrow corridor in streets, crossing under the I-8, high groundwater, and contaminated soils. Ms. Masutani prepared the preliminary design report, design calculations, and oversaw the production of the contract drawings, specifications, and construction cost estimate.

Pappas Investments, Campus Park West Water, Recycled Water, and Sewer Studies. Fallbrook, California. Senior Project Engineer. This project included preparation of the studies for the Campus Park West development in support of the EIR being prepared for the project. Ms. Masutani’s effort included analysis of the offsite and on-site facilities including demands, sizing, and location of sewer mains, water transmission and distribution mains, reservoir locations, wastewater treatment disposal options and location.

Carlos Mendoza, PE, QSD Civil Engineering Design Water/Wastewater/Storm Drains

Education: BS, Hydrology, Civil Engineering, University of Arizona 1993, MBA Cal State San Marcos 2000

Registration: Professional Civil Engineer, CA #60470

Certification: California State Water Resources Control Board, Qualified SWPPP Developer # C60470

Memberships:

American Public Works Association (APWA)

American Society of Civil Engineers (ASCE)

California Water Environment Association (CWE)

Water Environment Federation (WER)

Women's Transportation Seminar (WTS)

Mr. Mendoza has over 22 years of progressively responsible experience including particular expertise in water resources and wastewater collection systems planning, management, and design. For seven years, he served as Senior Engineer for the City of Vista/Buena Sanitation District. He performed as Subdivision Engineer, Sanitation Engineer, and Floodplain Administrator with signature authority over approval of plans, permits, and revisions. Mr. Mendoza's projects include four master plans, numerous floodplain studies, scour analyses, plans, specifications, cost estimates, proposals, mathematical models, training materials, and presentations for a broad range of public and private clients.

City of Glendale, Cañada Water Main Replacement.

Mr. Mendoza is serving as Project Engineer, providing engineering services for the cleaning and cement mortar lining of existing potable water mains and the replacement of deficient existing water mains. The design includes cleaning and lining approximately 11,200 LF of mains greater than 6" in diameter, replacement of 4,900 LF of deficient existing potable water mains, valves, fire hydrant assemblies, and appurtenances, cut & plug plans, and pavement corings.

City of Coronado, Glorietta Bay Pump Station. Mr. Mendoza served as Project Engineer for the 2002 Glorietta Bay Pump Station, an underground facility located in the heart of Glorietta Bay Park, has experienced early failure of the wet-well lining system, pump rails, vault lids, and air scrubber system. Additionally, the facility lacked features to facilitate a flow bypass. Challenges included limited access and sewage input from two force mains and one gravity main. Harris' deliverables included development of a bypass methodology and development of recommendations

for improvements to address known wet-well issues. Harris gathered data and preliminarily identified that the accelerated corrosion may be the result of insufficient wet-well circulation and high sewage strength from the Navy base. Based on electrical systems failures, the project took on new urgency and the Harris team evaluated an accelerated approach to fixing the immediate problems now with a more deliberate approach to the more fundamental design improvements.

Vallecitos Water District, Linda Vista East Sewer Project. Mr. Mendoza is the Project Manager for this project which calls for the upsizing of approximately 3,400 feet of 8" VCP sewer main and 14 manholes from the intersection of Bingham Drive and Furniture Row to the intersection of Linda Vista Drive and Las Posas Road. This pipeline will be replaced by new 12" PVC sewer main. This will eliminate an existing surcharging condition and also accommodate planned development.

SANDAG, Poinsettia Coaster Station Run-Through. Serving as Project Engineer, Mr. Mendoza is assisting TY Lin International in their efforts to fulfill a SANDAG task order to create a run-through track for Amtrak and freight service at Poinsettia Station in the City of Carlsbad. This project will also create a safe connection to the coastal rail trail allowing a grade separated pedestrian crossing of the tracks at the station. The project evaluated the addition of 6,000 feet of a third "run-through" track and a pedestrian crossing as recommended in the Project Study Report. Harris is responsible for utility research and mapping for 1.6 miles of the project corridor, determining utility impacts, preparing hydrology and hydraulic analysis, and developing proposed drainage improvements to address project alternatives, and support the expansion of vernal pools habitat mitigation area. Harris is also performing utility coordination, potholing of critical facilities, and preliminary design of utility realignments and protection for each alternative.

City of San Diego, Design-Build Group Job 790 Water Replacement Project. Mr. Mendoza is the Design Engineer. Teaming with Orion Construction, Mr. Mendoza is currently managing the design of nearly 4.5 miles of water pipeline replacements up to 12-inches in diameter under the design-build project delivery method for the City of San Diego. The scope of services includes the assessment and design of over 100 curb ramps for ADA Compliance, preparation of Traffic Control Plans, public outreach, and coordinating with the City in maintaining water and fire

service to the area. Mr. Mendoza is managing the day-to-day design, budget and schedule updates, meetings and coordinations, contract changes, and payment processing. Water Group 790 is part of a program established by the City of San Diego and the California Department of Public Health mandating the replacement of all cast iron water mains currently in service.

City of Palm Springs, Sewer Replacement Project. Mr. Mendoza is the Project Manager. Harris was selected unanimously from among 16 submittals for this project due to insight on approach. The unanimous selection allowed the City to save time in selection and award by foregoing the interview process. Insight was gained by recognizing that an alternate to the predesign alignment would be required to make the project feasible. By recognizing this in the proposal stage, the City was saved from potential delays and changes to the agreement, which would have been difficult, if not impossible, due to budget constraints. Project involves the design of approximately 3200 feet of eight-inch VCP sewer main, laterals, and 72 building sewer connections within a recently annexed existing residential neighborhood. The project allows abandonment of less sanitary septic disposal systems. Project is funded by a Community Development Block Grant for redevelopment. The bid on Phases 1 and 2 of this 4 phase project came within 1% of the cost estimate.

City of San Diego, As-Needed Design Services. As part of Harris' on-call contract, Mr. Mendoza is the Project Manager for the La Jolla Country Club Reservoir and Pump Station Replacement which will replace the 1927 reservoir and 1985, 2.3 MGD pump station with two single speed pumps with 190' of lift. The construction cost estimate for the project is \$2.75 million with a total project cost of \$4.45 million.

County of Los Angeles, Los Angeles County Drainage Area (LACDA) Letter of Map Revision (LOMR) Phase 1 and Phase 2. Mr. Mendoza was responsible for the hydraulic modeling and freeboard determination of the Lower Los Angeles River using HEC-2 and HEC-RAS in preparation of a FEMA LOMR. Project analyzed levee freeboard requirements after adjusting for differential regional land subsidence from oil pumping.

Monika Bowden

Public Outreach

Education: Coursework , Marketing

Training LEED Certification, 2006

Memberships:

American Public Works Association (APWA)

Asian Business Association (ABA)

City and County Engineers Association (CCEA)

Construction Management Association of America (CMAA)

Society for Marketing Professional Services (SMPS)

Women's Transportation Seminar (WTS)

Ms. Bowden has over 17 years of experience with top ranked A/E firms throughout the United States performing community relations, marketing, and project administration activities. Her responsibilities have included assisting with project coordination and document management on a variety of program, project, and construction management projects. She is skilled in the use of word processing, spreadsheets, program databases, desktop publishing, graphics, and coordination with all levels of project management personnel. Software that Ms. Bowden is an experienced in utilizing includes: Microsoft Project, Expedition, InDesign, Photoshop, Vision, Microsoft Office Suite, Corel Draw, and Microsoft Project.

City of Pico Rivera, Passons Blvd. Grade Separation. As the Community Relations Coordinator, Ms. Bowden is responsible for assisting the construction manager and City in developing a comprehensive outreach program. The Passons Blvd. Grade Separation is a \$25M project that includes constructing a new underpass under the BNSF and Metrolink railways. Some of the tasks included on this project are conducting ceremonies, preparing presentations, facilitating/attending community meetings, construction signage, establishment of a project hotline, City website/newsletter updates, door-hanger production, and local media coordination.

County of Riverside, Transportation Department, Cantu-Galleano Interchange over I-15. Community Relations Coordinator. The I-15 at Cantu-Galleano Ranch Road Interchange project provided 4 lanes of traffic over the freeway crossing at I-15. Ms. Bowden was responsible for coordinating and assisting in the preparation of a video documentary of the completed project. This video was presented to the County at the Grand Opening of the project in August of 2007.

City of Newport Beach, Balboa Village Improvements.

Community Relations Coordinator for this three-phase project, which includes street and parking lot rehabilitation, sidewalk and plaza area enhancement, sewer, water, storm drains, decorative streetlight systems, alley reconstruction, an odor control system for underground sources of methane, restroom demolition and construction, street furniture installation, park improvements, landscaping and irrigation systems, and a new landmark tower. Mrs. Bowden was responsible for preparing construction notices and circulation plans, directional parking signage, and street banners to assist the local businesses during construction.

City of San Clemente, Avenida Vista Hermosa Interchange.

Community Relations Coordinator for this major freeway interchange located on I-5 north of Avenida Pico. Mrs. Bowden was responsible for assisting the City with the production of a PowerPoint presentation which was presented to the City Council about the history of the project.

City of Lawndale, Hawthorne Blvd. Revitalization.

Community Relations / Project Administration for this \$12 million project to revitalize Hawthorne Blvd in the City of Lawndale. Hawthorne Blvd is the primary road in the South Bay and was a state route until recently. More than 100,000 vehicles per day use the road. Work involves multi-stages and night work and includes a heavy community outreach program.

City of Thousand Oaks, Blvd. Revitalization. Community Relations / Project Administration for this \$10 million interchange improvements project. This project is located in a heavy commuter area and requires community meetings, construction information notices, etc.

Cucamonga County Water District, 2002 Annual Business Plan Preparation.

Project Manager for the preparation of the District's first ever business plan. Ms. Bowden was responsible for research, writing, editing, and production of the 12 section document.

Marc Gallardo, EIT CADD Support/Engineering Technician

Education: BS, Civil Engineering/ Transportation, UC Irvine MS, Civil Engineering and MS, Urban and Regional Planning, UC Irvine 2014

Registration: Engineer in Training, CA #143222

Marc has over a year of experience in civil engineering as a Project Engineer. He has experience in the preparation of project plans, specifications, and estimates for public works, including street improvements, storm drain and sewer projects. Marc also has experience in creating striping and traffic control plans. He is familiar with the latest design standards for various cities, counties, and Caltrans. Marc is adept at using the latest state of the art computerized CADD design including AutoCad Civil 3D and Microstation and has knowledge in the Geographic Information Systems software ArcGis.

Port of Long Beach, Harbor Scenic Drive Roadway Improvements. Design Engineer. This project involves a comprehensive Basis of Design Report and a complete set of plans, specifications, and estimate (PS&E) opinions for the rehabilitation of Harbor Scenic Drive. The roadway rehabilitation will accommodate the increased volume in truck traffic and high speed traffic through improvements to roadway pavement conditions. The project also includes the evaluation of Harbor Scenic Drive to improving driving safety conditions for both truck traffic and the motoring public. Marc prepared hydrology map and catch basin analysis. He developed the basis of design and prepared the 50 percent plans and estimates.

City of Los Angeles, Cost Estimate, Save Our Streets LA. Engineering Technician. This project required the analysis of streets to determine the need for rehabilitation. Marc analyzed the streets based on pavement condition index (PCI) criteria which ranked the quality of streets. He projected a total cost estimation for the lifetime of the City's bond, recommending the funds to be spent in each year.

City of Torrance, Pacific Coast Highway at Hawthorne Boulevard Intersection Improvements. Design Engineer. Marc was responsible for the design and preparation of contract documents for the widening of Pacific Coast Highway (PCH). The primary elements of the project consist of: widening of PCH to have dual lefts in the eastbound direction, addition of a right turn only lane on the eastbound and westbound lanes of PCH, addition of a right turn lane on the northbound direction of Hawthorne

Blvd., hydrology and hydraulics analyses of existing storm drain, preparation of legal descriptions and plats for acquisition of right of way in order to do the widening, traffic studies, environmental documentation, topographic survey, right of way acquisition, soils investigation, traffic signal modification; traffic control; and the acquisition of a Caltrans encroachment permit.

City of Yorba Linda, Town Center Infrastructure Improvements. Design Engineer. The City of Yorba Linda plans to revitalize its historic Town Center area by combining the latest state-of-the-art green and sustainable technologies and maintaining the City's unique Old Town charm to create a sense of place. The improvements will require a wide variety of street, streetscape, landscape, utility and grading design. Comprehensive infrastructure design and PS&E preparation includes the following: record of survey mapping, right-of-way exhibits, traffic design elements (to optimize "multi-user" access and circulation throughout the Town Center Area), storm drain design (including performing a hydrology and hydraulic study), sewer and water design, optional sewer inspection, dry utility designs, and site grading. Additional design considerations will include sustainable solutions and complete streets. Marc helped with the plans and estimations.

City of Huntington Beach, Brookhurst Street and Adams Avenue Intersection Widening Improvements. Design Engineer. This project involves engineering design, survey, and traffic engineering services for the preparation of 100 percent plans, specifications, and estimates (PS&E) as part of the City's roadway capacity improvements. The project will add a fourth through lane to all four legs of the intersection, shorten the right turn lanes to avoid impacting the existing building, and determine partial right-of-way acquisition needs and utility relocations. Marc prepared the sample cross-sections for the cut-and-fill earthwork quantities. He also prepared the quality takeoff and final cost estimation.

City of Yorba Linda, La Palma Avenue Roadway Rehabilitation. Design Engineer. The project involves engineering services, including roadway rehabilitation of La Palma Ave from Westerly City Limit to Camino De Bryant. The team will perform additional field reviews, deflection testing, and reformat existing bid documents to create one bid package from three existing bid documents. Marc prepared the plans for this project.

Ashley Lee, EIT CADD Support/Engineering Technician

Education: BS, Civil Engineering, UC Irvine 2011

Registration: Engineer in Training, CA #142102

Ms. Lee has over two years of professional experience in public works design. She has assisted and designed a wide variety of public works projects including street improvement, storm drain design, sewer improvements and pavement rehabilitation. She is familiar with various city and county design and CAD standards. Her CAD experience includes four years of AutoCAD.

City of Torrance, Pacific Coast Highway at Hawthorne Boulevard. Ms. Lee is serving as the project Engineer for this project is to enhance the intersection of Pacific Coast Highway and Hawthorne Boulevard, which will also provide operational relief along these routes and to the I-405 Freeway. The project is intended to widen and upgrade the intersection via the acquisition of right-of-way, construction of dedicated right and left-hand turn pockets, restriping, and resignalization. Utility relocation will be required. Limits of this project are 500 feet on all directions from the intersection of Pacific Coast Highway and Hawthorne Boulevard. The project involves roadway, drainage, traffic and utility design.

City of Yorba Linda, Town Center Infrastructure Improvement Project. Ms. Lee is serving as the Project Engineer. The City of Yorba Linda plans to revitalize its historic Town Center area by combining the latest state-of-the-art green and sustainable technologies and maintaining the City's unique Old Town charm to create more than just a desirable destination, but a sense of place that is both pride-inducing and authentic. The improvements will require a wide variety of street, streetscape, landscape, utility and grading design. Project cost = \$10 million +/- . Comprehensive Infrastructure Design & PS&E Preparation includes the following: Record of Survey Mapping & Right-of-Way Exhibits, Traffic Design Elements (to optimize "multi-user" access and circulation throughout the Town Center Area), Storm Drain Design (including performing a hydrology & hydraulic study), Sewer & Water Design, Optional Sewer Inspection, Dry Utility Designs, and Site Grading. Additional design considerations will include sustainable solutions and complete streets. Harris will also perform QA/QC and B/C reviews throughout the project process.

City of Anaheim, Citywide Sanitary Sewer & Storm Drain Improvements on Ball Road. Ms. Lee is serving as Project Engineer for the Ball Road sewer and storm drain improvements project which includes upsizing approximately 5,400 linear feet of existing sewer and upsizing approximately 7,300 linear feet of storm drain to address deficiencies and add needed additional capacity to each system.

City of West Hollywood, Engineering Studies for Robertson-Melrose-Beverly. Ms. Lee is serving as the Project Engineer. Complete engineering studies for future use on "The Avenues District" streetscape design project. The future design project will revitalize the subject area and provide an extraordinary opportunity to combine the latest state-of-the-art green and sustainable technologies with the City's unique charm, creating more than just a desirable destination, but a sense of place that is both pride-inducing and authentic. The City's goal that is driving the Avenues Streetscape Project Master Plan is to strengthen the economic vitality of the district by improving the pedestrian environment, adding bicycle infrastructure, adding public gathering spaces and landscaping, while improving the overall aesthetics and functionality of the streets.

Mariam Abdelmalik, PE CADD Support/Engineering Technician

Education: BS, Civil Engineering, UC Irvine 2008

Registration: Professional Engineer, CA #80564

Memberships:

American Society of Civil Engineers (ASCE)

Women's Transportation Seminar (WTS)

Mariam Abdelmalik has 5 years of experience in civil and traffic engineering as Design and Project Engineer. She has experience in the preparation of project plans, specifications, and estimates for public works, including street improvements, storm drain and sewer projects. She also has extensive experience in traffic related work such as Traffic Handling, Stage Construction, Signing and Striping and Traffic Signal plans. Mariam is familiar with the latest design standards for various Cities, Counties, Caltrans, LADOT, and Metro. She is adept at using the latest state of the art computerized CADD design tools including both Autcad and Microstation.

City of Redondo Beach, Esplanade Streetscape Improvements.

Mrs. Abdelmalkik served as Design Engineer to improve a 5,000-foot reach along Esplanade, which is a coastal roadway that serves one of California's most beautiful beaches as well as million dollar adjacent beach homes. The project consisted of installing streetlight conduits and pull boxes for a future streetlight upgrade in later phase, re-striping the roadway, adding "bulb-out" sidewalk landings and improving curb ramps at all pedestrian crossings, adding landscaped raised medians, rehabilitating the AC pavement, adding enhanced ocean overlook platforms with artistic "seat walls", adding enhanced bluff landscaping along the top of the coastal bluff and widening sidewalk along the coastal bluff and enhancing the paving surface. The project also included a full topographic survey, geotechnical investigation, and environmental clearances, water quality enhancements as well as the preparation of plans, specifications and estimates.

City of West Hollywood, Sunset Strip Beautification. Mrs. Abdelmalik served as Project Engineer for the design of this \$6 million beautification project which included the preparation of PS&E of 1.63-miles of Sunset Boulevard (west city limit to east city limit). This project improved/rehabilitated PCC pavement, sidewalks, extensive custom

curb ramps, medians, striping, traffic signals, landscaping, and development of comprehensive plans to address needs, alternatives, and costs to allow for the grouping/phasing of the work. Harris also performed a profilograph investigation, traffic counts, traffic signal modifications, and landscape architecture plans.

City of Fullerton, Berkeley, Hornet, Dorothy, Longview Street Reconstruction. Project Engineer. The project consists of the preparation of PS&E construction documents detailing roadway improvements and street reconstruction along Berkeley Avenue, Hornet Way, Dorothy Lane, and Longview Drive, as well as water line upgrades along Berkeley Avenue and Hornet Way.

City of Brea, Birch Street Medians. Design Engineer. Harris & Associates was responsible for preparing plans, specifications and estimates for installation of raised concrete landscaped medians on Birch Street from Laurel Avenue to Associated Road. Since this was a federally funded project, compliance with Caltrans Local Assistance was required. The design elements of the medians consisted of incorporating "dowel-on" curbs, decorative concrete pavers, plant materials, irrigation and dual up-lighting for trees (including electrical outlets for holiday events). Additional design services included preparation of landscape architecture plans, processing the Caltrans Encroachment Permit, performing design assistance during construction, and utility coordination.

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JUAN LE ROY

FIELD OPERATIONS MANAGER

EDUCATION

Yuma High School - Diploma
United States Marine Corps
Arizona Western College – Undergraduate Studies

CERTIFICATIONS

- ACI - Concrete Field Testing Technician, Grade I
- ACI - Concrete Strength Testing Technician
- Caltrans QC/QA-All Test Methods in: Asphalt, Concrete, Soils
- CPN International, Inc.: Nuclear Gauge Certification
- City of Los Angeles # P032578** / International Code Council (ICC # 8024733)
 - Prestressed Concrete Special Inspector**
 - Reinforced Concrete Special Inspector**
 - Soils Special Inspector
 - Spray-Applied Fire Proofing Special Inspector**
 - Structural Masonry Special Inspector**
 - Inspection of Fiber Reinforced Polymer Composite Systems
- NICET: Construction Materials Testing; Soils, Asphalt, Concrete Level-2
- NCMA: Concrete Masonry Testing Technician

PROFESSIONAL SUMMARY

Mr. Le Roy has been involved in the construction industry since 2000. As the field Operations Supervisor he has been involved with all aspects of MTGL's operations involving direct interaction with clients on various projects throughout southern California. He has developed training programs for all employees to maintain a high quality of work and strict adherence to Codes and Regulations. Mr. Le Roy has also worked on quality manuals for building department review as well as coordinated all AMRL/CCRL/IAS/CalTrans audits.

PROJECT EXPERIENCE

- Evan Hewes Highway at New River, County of Imperial
- IID Substations-various in Imperial County
- SDG&E Substation in Calexico, CA
- SCE Cal Caps Substation, Desert Center, CA
- SCE Redbluff Substation, Desert Center, CA
- SCE Colorado River Substation, Blythe, CA
- Caltrans District 7 On-Call Testing, Various Location, Los Angeles County, CA
- Brawley Airport Taxiway, Brawley, CA
- Calexico Airport Taxiway, Brawley, CA
- LA County Sanitation District Mesquite Mine Landfill Drainage, Imperial County
- Naval Air Station El Centro Fuel Farm, El Centro, CA
- Naval Air Station El Centro Taxiway, El Centro, CA
- Caltrans Highway 111 Brawley Bypass Storm Drain, Imperial County, CA
- Highway 111 and McCabe GeoSynthetic Installation, Imperial County, CA
- All American Canal Lining, Imperial County, CA
- Soil Cement of Fuel Farm for Naval Air Facility-El Centro, CA



TOM BATES

SENIOR INSPECTOR / FIELD TECHNICIAN

CERTIFICATIONS

- ACI Concrete Field Testing – Grade I
- ACI Concrete Laboratory Testing Technician – Level I
- ACI Compressive Strength Technician – Level I
- FACE Certified Floor Flatness & Levelness Technician
- NICET Concrete Level III
- NICET Soils Level III
- NICET Asphalt Level II
- ICC Special Inspector - Soil
- ICC Special Inspector - Spray-Applied Fireproofing
- ICC Special Inspector - Reinforced Concrete
- ICC Special Inspector – Pre-stressed Concrete
- ICC Special Inspector – Structural Masonry
- ICC Special Inspector – Structural Steel & Welding

PROFESSIONAL SUMMARY

Mr. Bates has been involved in the construction industry since 1988 and has been employed with MTGL, Inc since 2009. In the roll of Senior Inspector/ Field Technician he has been able to improve customer confidence, commitment and satisfaction through regular customer visits. His direct interaction with clients' aids in determining the scope of the project and ability to analyze current systems and procedures to ensure the client receives the highest level of quality assurance. His responsibilities include, "verifying" that we are completely in compliance with all quality assurance, and following all company procedures, at all times. He has developed training programs for all employees to maintain a high quality of work and strict adherence to Municipality Regulations. Mr. Bates has written project quality manuals for review by government entities, including building departments, FAA, Corp of Engineers and multiple Department of Transportations. Mr. Bates has coordinated laboratory audits by AMRL/CCRL/IAS, building departments, AASHTO and Corp of Engineers. Larger projects include LAX Tom Bradley International Terminal, Colorado Springs Airport, Denver International Airport, Las Vegas Beltway, McCarran Airport Connector and the Bellagio Hotel and Casino. Mr. Bates has coordinated inspection/testing of concrete placements in excess of 30,000 cubic yards, asphalt paving of 10,000 tons, and grading project in excess of 50 square miles.

PROJECT EXPERIENCE

- **LAX Bradley Terminal Expansion, Los Angeles World Airports, Los Angeles, CA | Quality Control Manager / Inspection Supervisor**

Mr. Bates was the quality control manager and inspection supervisor for this project from February 2010 to October 2013. Due to the magnitude of the project Mr. Bates created a satellite office and testing lab at LAX to ensure rapid testing and response to project needs. Mr. Bates was responsible for all aspects of the quality control, testing and inspection which included reinforced concrete, post-tension concrete, masonry, structural steel, welding, soils, concrete paving, asphalt paving, caissons, reinforcing steel and fireproofing both spray applied and intumescent.

King Thomas - LSA Environmental and Permitting Lead

Education: B.A., Social Ecology, Specialization in Environmental Health and Planning

Professional Memberships/Registrations: Women's Transportation Seminar (WTS)

Alameda Corridor-East Grade Separations, Los Angeles County, California. LSA is providing on-call environmental services for the Alameda Corridor-East (ACE) Grade Separation projects. Mr. Thomas managed the preparation of the technical analyses and environmental documents for the following grade separation projects: Fairway Drive (City of Industry), Puente Avenue (City of Industry), Fullerton Road (City of Industry), and Durfee Avenue (Pico Rivera). Mr. Thomas is also managing construction monitoring for the following grade separation projects: Baldwin Avenue (City of El Monte), Puente Avenue (City of Industry), Nogales Street (City of Industry), and San Gabriel Trench (Cities of San Gabriel and Alhambra). The San Gabriel Trench project will lower the railroad into a 1.4-mile-long trench, grade-separating four roadway/railroad intersections. In addition, Mr. Thomas managed the preparation of Initial Study/Negative Declarations (IS/NDs) for two City betterment projects—Fairway/Walnut Intersection Improvements (IS/ND approved October 2012) and Fullerton Road Widening (IS/ND approved September 2013)—that will be constructed at the same time and under the same contracts as the Fairway Drive and Fullerton Road grade separation projects.

Caltrans District 7 On-Call Environmental Services (Interstate 5 Corridor from Kern County to Orange County Border Line and Los Angeles County, Central Area), Los Angeles County, California. LSA was recently awarded two on-call environmental contracts with Caltrans District 7. LSA will be providing professional and environmental technical services on an "as-needed" basis for the preparation of environmental documents and related environmental technical studies to support the development and construction of proposed State transportation facilities. Mr. Thomas is serving as the Project Manager and will be managing the overall contract.

California Department of Transportation District 12 On-Call Environmental, Orange County, California. LSA was under contract for two consecutive Caltrans District 12 on-call environmental services contracts (Contract No. 12A1144 and current Contract No. 12A1304). Contract No. 12A1144 began in January 2008 and ended in June 2011. A total of 26 task orders were completed under Contract No. 12A1144. Contract No. 12A1304 began in October 2010 and ended in October 2013, with a total of 27 task orders. Mr. Thomas served as Project Manager for all of the task orders.

Jamboree Road Bridges, Newport Beach, California. Mr. Thomas served as Project Manager for preparation of environmental technical studies in support of a Categorical Exemption for CEQA and a Categorical Exclusion for NEPA (CE/CE). This project would seismically retrofit the northbound and southbound Jamboree Road bridges over San Diego Creek to meet current seismic structural standards. Technical studies LSA prepared for this project in support of the CE/CE included a Noise Analysis, an NES (MI), a JD, a Hazardous Waste ISA, an HPSR, a WQAR, and a Programmatic Section 4(f) Evaluation to address temporary impacts to the bike trail during construction. An Estuarine Resources Impact Assessment was also prepared by Coastal Resources Management under contract to LSA to address potential environmental impacts to estuarine resources in Upper Newport Bay and San Diego Creek. LSA also prepared permit applications and obtained permits from the Corps (Section 404), the RWQCB (Section 401 Water Quality Certification), the CDFW (Section 1602 Streambed Alteration), the California Coastal Commission (Coastal Development Permit), and the United States Coast Guard (Bridge Act Approval letter). The CEQA CE was approved by the City in March 2007, and the NEPA CE was approved by Caltrans in June 2007. Project construction began in late 2010 and was completed in 2011.

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David H. Tatsumi, RLA, ASLA – Landscape Architect & Principal-in-Charge

Education

- ◆ Bachelor of Science in Landscape Architecture from California State University, Pomona, 1979
- ◆ Certification, Professional Development, Harvard University Graduate School of Design, 1997, 1998, 2001, 2003, and 2007

Professional Memberships/Registrations

- ◆ Member: American Society of Landscape Architects
- ◆ Registered Landscape Architect: California #2033 • Nevada #358 • Arizona # 3241 • New Mexico #357 • CLARB #2144

Summary of Experience

Mr. Tatsumi has a wide range of experiences in the landscape architectural field spanning over 32 years. His project experience includes the design of highways, streetscapes, medians, parkways, parks, and various urban spaces. He has led his team of professionals from initial design conception through the preparation of construction documents and even to on-site construction management activities. In his capacity, he coordinates the overall work and designs for projects, monitors progress, oversees the quality assurance program, and serves as the liaison between the firm and the Client, including governmental agencies, City Councils, Planning Commissions, and various authorities. Mr. Tatsumi has worked on over construction/planting design and environmental documents/reviews projects.

Mr. Tatsumi has helped regulate the profession of landscape architecture in California as both Chair and member of the State's Landscape Architects Technical Committee as well as assisted at both the State and National (CLARB) levels in the reviewing and grading of licensing candidates, and the exam development. He has served as President of the American Society of Landscape Architects (ASLA) Southern California/Southern Nevada chapter and was twice invited by Caltrans to serve as a juror for their statewide Excellence in Transportation design competition. He has also participated as juror on many other design competitions as well as on panels involving design and water conservation.

Mr. Tatsumi worked on the following relevant projects as the Landscape architect and Principal-in-Charge:

- ◆ Harbor Scenic Drive (Long Beach, CA) – on going
The Port of Long Beach (POLB) issued this project to evaluate the existing roadway and develop construction documents for improvements. Tatsumi and Partners was tasked with the selection of an appropriate water conserving plant palette, the design of landscaping that beautified the roadway while preserving sight lines and safety for motorists, design of an efficient irrigation system to support the landscape planting, and preparation of the planting and irrigation plans, specifications and engineer's estimate. All documents adhere to the current edition of POLB's Guidelines for Professional Consulting Services.
- ◆ Santa Ana Public Works On-Call (Santa Ana, CA) – on going
Tatsumi and Partners was awarded a multi-year on-call contract to provide the City of Santa Ana with landscape architectural designs. To date the firm has worked on creating the concepts and delivering full construction PS&E documents for 11 projects under this contract: Fairview Triangle Park, McFadden Park, Edna Park, Thornton Park, 17th Street Trail Access, Centennial Peninsula Waterfowl Sanctuary, Santiago Park, 4th Street Plaza, 17th Street Bicycle Trail, Santa Anita Park & Bristol Corridor Exhibit Graphics. While work on some individual projects progressed on their own, others overlapped and were worked on simultaneously.
- ◆ Cesar Chavez Avenue/Lorena Street/Indiana Street Intersection Improvements (Los Angeles, CA) – 2012
Tatsumi and Partners was the landscape architecture subconsultant to the engineering design team selected by the City of Los Angeles, Bureau of Engineering, to provide Plans, Specifications and Estimate (PS&E) and Construction Management Support for a five-point modern roundabout. Key issues of this project included design of landscape enhancements that preserved sight lines for safety, hazardous waste assessment, hydrology/hydraulics studies, utility relocation, bike lanes, traffic staging, horizontal and vertical alignment design and preservation of existing veterans' monuments. Other proj-

ect elements included storm water management, which incorporated provisions of green elements (implementation of Best Management Practices).

- ◆ Brookhurst Street Median Improvements (Fountain Valley, CA) – 2012

Tatsumi and Partners, Inc. was retained by the City of Fountain Valley to verify the existing conditions of the medians (from Slater Avenue to Garfield Avenue) and prepare landscape and irrigation enhancement concept designs and PS&E construction documents for the medians along Brookhurst. These enhancements included the conversion of turf areas into a much more water efficient planting using native drought tolerant shrubs and groundcovers and the upgrade of the irrigation system to utilize the latest in water saving technology on the market, including items such as: a central control system, drip line, flow sensor, and rain sensor (to micromanage the on-site water usage without constant human attention). The overall approach for this design included conducting an analysis which took into account the local environmental conditions, plant material water requirements, and irrigation strategies. Based on this analysis, the landscape concept design was refined to maximize its water efficiency. Several months after completing the project, the firm was retained to prepare PS&E construction documents for another section of Brookhurst Street, from Slater Avenue to Warner Avenue, continuing the Brookhurst Street median improvements design Tatsumi previously prepared.

- ◆ North Spring Street Widening (Los Angeles, CA) – 2012

Tatsumi and Partners formed the landscape architecture portion of the design team that was given the commission to design the widening improvements for North Spring Street. Coordination of the design with the team members, City Departments and stakeholders in regular meetings, generated designs for a new irrigation system that connects to the existing system and incorporated the City's approved Planting Masterplan into the planting designs to blend seamlessly with the existing landscape. Additional coordination was required with the City's Urban Forestry Department to mitigate the impact on existing street trees. The mitigation

measures are being based upon both City policy and community input. After submitting the 65% designs for review, however, the City decided to change the design direction for the area. Typical of Tatsumi and Partners' responsiveness to their clients and project owners, Tatsumi and Partners changed the planting design to reflect the City's new planting design preference for the subsequent design submittal.

- ◆ Traffic Circles (Long Beach, CA) – 2010

The City of Long Beach transformed six intersections from standard T-intersections to traffic circles as a traffic calming measure along East Vista Street at Park Avenue, Quincy Avenue, Ximeno Avenue, Roswell Avenue, Termino Avenue, and Orizaba Avenue. Tatsumi and Partners, Inc. developed the concept designs and prepared the construction Plans, Specifications and Estimates for the planting and irrigation at these new traffic circles. All work was coordinated with the civil engineering consultants and the City of Long Beach's Public Works Engineering Bureau.

- ◆ San Fernando Road Enhancements (Glendale, CA) – 2009

Tatsumi and Partners was selected by the City of Glendale to serve as the Prime Consultants for designing the enhancements of San Fernando Road. Spanning four miles from City limit to City limit, the central portion of the project site runs parallel to a MetroLink rail easement. Tatsumi and Partners' mission was to develop a streetscape, which reflected the unique character of the region while being cost-effective to maintain. Key elements of the designs include the use of freestanding walls, accent tree plantings, new custom-designed bus stops, accent lighting, a new water-efficient irrigation system, and an attractive visual character (as viewed by both pedestrians and motorists). The visual nature of the designs was to create a unique space along the San Fernando Road corridor while reflecting the special elements found among the surrounding communities. The original concept for the designs included a 35-foot wide landscaped linear park-like area. Coordination of the design process included providing the City Council with design briefings on digital CD's as well as participating in community workshops. Close coordination of all design aspects was main-

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tained with the City's redevelopment agency, public works group, local utilities and the Los Angeles County Metropolitan Transportation Authority. The City decided to split the project into two phases and implemented Phase II of the project first.

- ◆ Sycamore Street Traffic Circles (Anaheim, CA) – 2008
The City of Anaheim transformed the intersection at Sycamore Street and Clementine from standard T-intersection to a traffic circle as a traffic calming measure. Tatsumi and Partners, Inc. developed the concept designs, selected the rock paving, and prepared the construction Plans, Specifications and Estimates for the new planting and irrigation for this project. All work was coordinated with the civil engineering consultants and the City of Anaheim Public Works department.
- ◆ Irvine Regional Park Entry (Orange, CA) – 2007
As subconsultants to the engineering team, Tatsumi and Partners was tasked with the responsibility of designing the landscaping for the entry and entry parking area to the Irvine Regional Park. Design coordination meetings were held with stakeholders to insure that the final design incorporated features that were acceptable to those involved. In response to the expressed desires, Tatsumi designers prepared landscapes plans that extended the wooded nature of the park into the entry and parking area. The existing boulders located in the entry were mapped, identified, and then all incorporated into the new designs. As much as possible of the existing irrigation system equipment was reused and the existing irrigation rotors that were not re-used were salvaged and given to OC Parks for use on other projects. All plans were prepared using the County's standard border and referenced the County's standard plans and details. Specifications were prepared to the County's standards. After construction of the project, Tatsumi drafters prepared the project As-Built plans.
- ◆ San Gabriel City Hall Pedestrian Corridor (San Gabriel, CA) – 1999
Tatsumi and Partners, Inc. developed the urban designs for the conversion of an alley behind City Hall into a pedestrian mall. Maintaining the existing alley way dimensions and underground utilities, the new urban designs called for new enhanced pave-

ment, outdoor seating areas for existing restaurants, utility outlets for temporary concession stands and outdoor lighting, seating areas, water features and facade treatments for adjacent existing buildings. Design criteria included the need accommodate existing parking lots, parking for an adjacent dance studio building and the need to accommodate the on-going use of the alley way by waste management vehicles. The final designs were themed to reflect a "fiesta" spirit and featured a water wall at the terminus of the visual axis of the former alley, new enhanced paving using a curvilinear style of different colors of concrete, intimate seating areas for local lunch visitors, outdoor seating areas for restaurants divided by low, themed walls, new colorful plantings and a new arching façade for the existing dance studio building. The latter was designed to accommodate angled parking during business hours while turning into merchant stalls for the weekly Farmers Market.

- ◆ Veterans Parkway (Manhattan Beach, CA) - 1998
Tatsumi and Partners was retained to assess an existing recreation trail system along an abandoned railroad easement within the City of Manhattan Beach. Stretching for approximately 3.1 miles, the project site required detailed on-site assessment of potential liabilities and potential recreational uses. Major emphasis in the study involved the review of existing liability and maintenance problems. The study resulted in a report of recommendations regarding liability risk management techniques for the trail system and renovation of existing planting and irrigation to minimize maintenance costs and increase security. These recommendations were accepted by the City Council and Tatsumi was authorized to prepare the construction documents to implement the recommendations in a phased manner.

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Michael Aceves, ASLA – Landscape Architectural Project Lead

Education

- ◆ Bachelor of Science in Landscape Architecture from California State University, Pomona, 1994
 - ◆ Certificate in Design Drafting: Technical Illustration, AutoCAD from Rio Hondo College, Whittier, 1990
- Member: American Society of Landscape Architects

Summary of Experience

Mr. Aceves brings over sixteen years of experience as a landscape designer and project manager to the Tatsumi and Partners project team and will be the primary liaison between the firm and the client. He has managed large-scale projects from initial site selection and plan development through construction and end-user acclimatization. He has provided creative solutions from the broadest site-general concerns to the smallest site-specific details. He is experienced in MicroStation, AutoCAD, Microsoft Office programs, ARC GIS, Sketch Up, various Adobe software, and other graphics programs. He has extensive experience in transportation enhancement design including highways, freeways, interchanges, aesthetic soundwalls, HOV lanes, multi-nodal transportation linkages, streetscapes, medians, and entry feature designs. Mr. Aceves was the Project Manager for the recently completed SR-22 HOV Widening project (where he was in charge of the development of landscaping and irrigation designs). This major design/build project includes two freeway interchanges, eleven major street interchanges and thirty-five bridges, fifty-two upgraded and realigned on/off-ramps, and features approximately \$7.5 million of landscaping. He is currently the project manager for several transportation projects in Riverside, San Bernardino, Los Angeles and Orange counties.

Mr. Aceves worked on the following relevant projects as the Landscape Architectural Project Lead:

- ◆ Harbor Scenic Drive (Long Beach, CA) – on going
The Port of Long Beach (POLB) issued this project to evaluate the existing roadway and develop construction documents for improvements. Tatsumi and Partners was tasked with the selection of an ap-

propriate water conserving plant palette, the design of landscaping that beautified the roadway while preserving sight lines and safety for motorists, design of an efficient irrigation system to support the landscape planting, and preparation of the planting and irrigation plans, specifications and engineer's estimate. All documents adhere to the current edition of POLB's Guidelines for Professional Consulting Services.

- ◆ Santa Ana Public Works On-Call (Santa Ana, CA) – on going. Tatsumi and Partners was awarded a multi-year on-call contract to provide the City of Santa Ana with landscape architectural designs. To date the firm has worked on creating the concepts and delivering full construction PS&E documents for 11 projects under this contract: Fairview Triangle Park, McFadden Park, Edna Park, Thornton Park, 17th Street Trail Access, Centennial Peninsula Waterfowl Sanctuary, Santiago Park, 4th Street Plaza, 17th Street Bicycle Trail, Santa Anita Park & Bristol Corridor Exhibit Graphics. While work on some individual projects progressed on their own, others overlapped and were worked on simultaneously.
- ◆ Cesar Chavez Avenue/Lorena Street/Indiana Street Intersection Improvements (Los Angeles, CA) – 2012
Tatsumi and Partners was the landscape architecture subconsultant to the engineering design team selected by the City of Los Angeles, Bureau of Engineering, to provide Plans, Specifications and Estimate (PS&E) and Construction Management Support for a five-point modern roundabout. Key issues of this project included design of landscape enhancements that preserved sight lines for safety, hazardous waste assessment, hydrology/hydraulics studies, utility relocation, bike lanes, traffic staging, horizontal and vertical alignment design and preservation of existing veterans' monuments. Other project elements included storm water management, which incorporated provisions of green elements (implementation of Best Management Practices).
- ◆ Brookhurst Street Median Improvements (Fountain Valley, CA) – 2012
Tatsumi and Partners, Inc. was retained by the City of Fountain Valley to verify the existing conditions of the medians (from Slater Avenue to Garfield Avenue) and prepare landscape and irrigation enhancement

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concept designs and PS&E construction documents for the medians along Brookhurst. These enhancements included the conversion of turf areas into a much more water efficient planting using native drought tolerant shrubs and groundcovers and the upgrade of the irrigation system to utilize the latest in water saving technology on the market, including items such as: a central control system, drip line, flow sensor, and rain sensor (to micromanage the on-site water usage without constant human attention). The overall approach for this design included conducting an analysis which took into account the local environmental conditions, plant material water requirements, and irrigation strategies. Based on this analysis, the landscape concept design was refined to maximize its water efficiency. Several months after completing the project, the firm was retained to prepare PS&E construction documents for another section of Brookhurst Street, from Slater Avenue to Warner Avenue, continuing the Brookhurst Street median improvements design Tatsumi previously prepared.

- ◆ North Spring Street Widening (Los Angeles, CA) – 2012

Tatsumi and Partners formed the landscape architecture portion of the design team that was given the commission to design the widening improvements for North Spring Street. Coordination of the design with the team members, City Departments and stakeholders in regular meetings, generated designs for a new irrigation system that connects to the existing system and incorporated the City's approved Planting Masterplan into the planting designs to blend seamlessly with the existing landscape. Additional coordination was required with the City's Urban Forestry Department to mitigate the impact on existing street trees. The mitigation measures are being based upon both City policy and community input. After submitting the 65% designs for review, however, the City decided to change the design direction for the area. Typical of Tatsumi and Partners' responsiveness to their clients and project owners, Tatsumi and Partners changed the planting design to reflect the City's new planting design preference for the subsequent design submittal.

- ◆ Traffic Circles (Long Beach, CA) – 2010

The City of Long Beach transformed six intersections from standard T-intersections to traffic circles as a traffic calming measure along East Vista Street at Park Avenue, Quincy Avenue, Ximeno Avenue, Roswell Avenue, Termino Avenue, and Orizaba Avenue. Tatsumi designers developed the concept designs and prepared the PS&E construction documents for the planting and irrigation at these new traffic circles. All work was coordinated with the civil engineering consultants and the City of Long Beach's Public Works Engineering Bureau.

- ◆ Sycamore Street Traffic Circles (Anaheim, CA) – 2008

The City of Anaheim transformed the intersection at Sycamore Street and Clementine from standard T-intersection to a traffic circle as a traffic calming measure. Tatsumi and Partners, Inc. developed the concept designs, selected the rock paving, and prepared the construction Plans, Specifications and Estimates for the new planting and irrigation for this project. All work was coordinated with the civil engineering consultants and the City of Anaheim Public Works department.

- ◆ Veterans Parkway (Manhattan Beach, CA) - 1998

Tatsumi and Partners was retained to assess an existing recreation trail system along an abandoned railroad easement within the City of Manhattan Beach. Stretching for approximately 3.1 miles, the project site required detailed on-site assessment of potential liabilities and potential recreational uses. Major emphasis in the study involved the review of existing liability and maintenance problems. The study resulted in a report of recommendations regarding liability risk management techniques for the trail system and renovation of existing planting and irrigation to minimize maintenance costs and increase security. These recommendations were accepted by the City Council and Tatsumi was authorized to prepare the construction documents to implement the recommendations in a phased manner.



Chris Loera

Project Manager/ Vice President of Operations

Professional Profile

Plans, organizes, directs and controls the activities of the Operations function of the division. Responsible for the performance of all Department function including Research and Development, Material Management, Order Services, Engineering and Surveying.

Years of Experience: 15

Education: East L.A. Skills Center, Construction Inspection

Registrations/Certifications:

- Ground Penetrating Radar Technician- Level III
- Utility Locator- Level III

Program Management:

- Auto CAD 2010-2013
- Civil 3D
- SolidWorks 3D
- Micro Station
- InRoads Suite
- Service CEO

Current Projects:

- Rancho Los Amigos
- Port of Long Beach
- Port of Los Angeles
- City of Corona

Relevant Experience

KPFF- Rancho Los Amigos National Rehabilitation Center, December 2012 - Present. Oversaw all operations of utility investigation of the entire campus. Services included: utility locating via GPR and Electromagnetic locating, site surveying, CAD work, and Potholing.

RBF Construction - Port of Long Beach (On-Call), August 2013 -September 2013. Supervised all operations to ensure high quality control and accuracy. Services included: vacuum potholing, traffic control, permanent or temporary restoration of potholes, utility location, trenches

City of Riverside - Cole Avenue Storm Drain Utility Investigation, May 2012 – October 2012. Supervised all operations to assure they were conducted and completed as directed by the City of Riverside. Services included: Utility locating via GPR, Electromagnetic locating, ram rod locating, potholing via vacuum excavation, and Surveying/ CAD work.

Orange County Public Works -Crawford Canyon CCTV Locating and Potholing, October 2012 - November 2012. Administered Traffic Control Plans for site. Services included: Locating 24 sewer laterals and potholing those locations.



PRINCIPAL

Rich Maher is a professional land surveyor registered in the state of California, with twenty-four years of experience in the land surveying and civil engineering industries.

Mr. Maher has extensive experience in all facets of land surveying, participating on a consulting basis, as part of a project team, or in the management of projects with **over 100 different local, county, and state agencies and utilities districts**. In that capacity, he has been responsible in whole or in part for project development, right-of-way engineering, annexations, heavy and light construction, design topographic surveys, environmental surveys, aerial control networks, legal descriptions, boundary surveys, records of survey, and parcel and tract map preparation. His persistent involvement in the details of daily survey department operations has provided him with extensive knowledge of state-of-the-art technology, hardware, and software used industry-wide. In doing so, Mr. Maher continues to be successful in providing services tailored to each client, acting as an extension of their staff, understanding their needs, anticipating issues, and providing solutions.

Education

Civil Engineering/ University Curriculum – Cal State Fullerton 1992
Land Surveying Continuing Education – Coastline Community College 1995
GPS Technology Continuing Education – UCR Extension 2011 -

Professional Registrations

2000/PLS/CA #7564

Professional Affiliations

CLSA (Treasurer OC Chapter)
CSRC (Chairman of Exec. Comm.)
OC-JPPC (Secretary)
American Congress on Survey & Mapping

Years of Experience

Entered the profession in 1990



MARK H. MILLER, P. E. EXECUTIVE VICE PRESIDENT

EDUCATION

BS Civil/Traffic Engineering
California Polytechnic University
Pomona, 1974

Northwestern University
Evanston, Illinois
Traffic & Transportation Engineering
Highway Capacity Workshop

Institute of Transportation Studies
Safety Design and Operational Practices
for Streets and Highways (FHWA)
Traffic Signal Equipment & Operations
Urban Street Design
Public Works Inspections
Legal Aspects and Liabilities
Risk Management & Traffic Safety

PROFESSIONAL ASSOCIATIONS

American Public Works Association
American Society of Civil Engineers
City Traffic Engineers Association
Institute of Transportation Engineers
Orange County Traffic Engineering Council

PROFESSIONAL REGISTRATION

Registered Civil Engineer in California
CE #40956
Registered Traffic Engineer in California
TE #1575
Professional Traffic Operations Engineer
PTOE #233

PROFESSIONAL EXPERIENCE

Mr. Miller joined Albert Grover & Associates in 1993 as Vice President, and provides the firm extensive experience in all phases of ITS design, signal interconnect and coordination plans, CCTV installations, traffic signal/signal system design, and street lighting evaluation and design. He is a registered Civil Engineer, Traffic Engineer, and Professional Traffic Operations Engineer with over thirty-five years' experience. This includes more than fifteen years serving as a City Traffic Engineer.

Mr. Miller has managed many ITS, traffic signal and street light system projects. He has developed and implemented design standards, specifications and cost estimates for traffic signals, interconnect projects, CCTV projects, and street light projects. He also has experience in preparing traffic signal coordination and timing plans. He has also developed and implemented design standards, specifications and cost estimates for traffic signals, interconnect projects, CCTV projects, and street light projects.

The following is a brief listing of specific consulting projects for which Mr. Miller has been responsible:

- ❖ Interconnect Analysis, Design and Coordination - Cities of Bakersfield, Cerritos, Chino, Colton, La Habra, Lancaster, Loma Linda, Montclair, Palm Springs, Pomona, Rialto, San Bernardino, Santa Clarita, Temecula, Upland, and Visalia.
- ❖ Multijurisdictional Traffic Signal Synchronization - S.C.A.Q.M.D and Orange County Growth Management Area No. 6.
- ❖ Various Traffic Signal Design, CCTV, Striping & Street Light Design Projects for Cities, Counties, and State.
- ❖ Roadway Signal Improvements - Cities of Cerritos, Chino, Claremont, Cypress, Ontario, and Upland.
- ❖ Annual Monitoring of Traffic Signal Timing - Cities of Colton, Fullerton, Loma Linda, Montclair, Palm Springs and Rialto.



Vik Bapna, PE, CPSWQ, QSD/P
Principal

Years of Experience

24

Education

BS, Civil Engineering, 1991
New Jersey Institute of Technology

Registrations/Certifications

Civil Engineer, CA, No. 52060
Certified Professional in Storm Water Quality, No. 543
Qualified SWPPP Developer/
Practitioner, No. 368

Professional Affiliations

American Society of Civil Engineers
California Stormwater Quality Association
Chi Epsilon

Vik Bapna has 24 years of experience in the planning, engineering, management, and construction of civil engineering projects. Vik's experience includes the development of preliminary designs and construction documents for numerous infrastructure and site development projects. He has managed over \$100 million in large scale, multi-disciplinary public works projects for federal, state, and municipal agencies. His areas of expertise include development and implementation of watershed management projects to enhance water quality, developing multiuse projects to mitigate stormwater and weather runoff, and TMDL policy and compliance. Vik is a recognized expert in storm drain and sewer design improvement projects, and Capital Improvement Projects, including bridge, street, and road rehabilitation. He managed the design and construction management of the award-winning regional multi-use project, the City of Los Angeles Garvanza Park Rainwater Capture and Use Project, which has received wide-spread notoriety for excellence in innovation, sustainability, and water quality enhancement. Additional relevant experience includes drainage studies, analyses and design, water resources investigations, and stormwater quality. Prior to forming CWE, Vik worked for the County of Los Angeles as Watershed Manager for the Los Angeles and San Gabriel River Watersheds.

City of Long Beach Design of Three Low Flow Diversion Systems and Two Vortex Separation System Pre-Filter Units, 2015 – Present, Principal Engineer Principal Engineer for the design of water quality systems to reduce local sources of contamination by eliminating dry-weather discharges to the Los Angeles River Estuary and Outer Harbor and remove sediment and trash. These goals will be accomplished by rerouting all runoff during dry-weather, winter-dry, and non-wet weather (days of 0.1-inch of rain or less) from three different storm drains to three different City-owned sanitary sewer systems utilizing three low-flow diversion systems in conjunction with two VSS units and one pre-filter device. Tasks include mechanical design of diversion structures, developing permit applications, analyzing water quality constituents, calculating anticipated pollutant load reductions, developing a Monitoring and Reporting Plan, and conducting reporting and effectiveness studies.

Port of Long Beach Harbor Scenic Drive Improvements, 2014 – Present, Project Manager Managing the preparation of SUSMP compliance reports and performing associated design for the improvements in the Port of Long Beach along Harbor Scenic Drive, from I-710 to Harbor Plaza. The estimated \$19.5 million worth of improvements will reconfigure and reconstruct the roadway, improve drainage while enhancing water quality, replace the landscaping and irrigation with more "green" alternatives, and install improved wayfinding signage.

City of Torrance Stormwater Basin Treatment Wetlands Enhancement Design and Construction Management, 2011 – Present, Project Manager Project Manager for the design and construction management of two treatment wetlands and two infiltration basins to retain, treat, and infiltrate stormwater runoff. This capital improvement project was honored with the *Storm Water Solutions* Top Stormwater and Erosion Control Project Award in 2014. Once constructed, this project will help the City comply with the Santa Monica Bay Beaches Bacteria TMDL requirements.

Port of Long Beach Port-Wide Capital Improvement Stormwater Master Plan, 2012, Project Manager Project Manager for the development of a Stormwater Master Plan for the POLB's stormwater system using XP-SWMM. The model included 35 miles of storm drain, 268 manholes, 334 inlets, 15 pump stations, and covers a 1,490-acre area. The purpose of this document is to guide and prioritize planning and capital improvements for the POLB stormwater system, enhance water quality, and ensure adequate capacity for the next 20 years. Services managed included performing drainage studies, creating a hydrologic and hydraulic model that covers the POLB drainage infrastructure both within and outside of Harbor Districts, and providing QA/QC services.

City of Los Angeles Garvanza Park Rainwater Capture and Use, 2009 – 2011, Project Manager This project was the recipient of CASQA's 2012 Outstanding Stormwater BMP Implementation Project Award. Project Manager for the retrofitting of Garvanza Park in an effort to enhance the water quality of runoff from an 85-acre watershed. Managed a feasibility study and assisted LA Sanitation – City of Los Angeles and North East Trees with the design and construction management of a drainage system to reroute urban and stormwater runoff from an existing 48-inch reinforced concrete storm drain pipe into a pretreatment BMP system consisting of a hydrodynamic separator and settling basin, and two subsurface detention-infiltration galleries for onsite infiltration and landscape irrigation use.



Ben Willardson, PhD, PE, D.WRE, QSD/P Technical Manager

Years of Experience

15

Education

PhD, Civil Engineering, 2011
University of Southern California

MS, Civil Engineering, 2001
Utah State University

BS, Civil Engineering, 2000
Utah State University

Registrations/Certifications

Civil Engineer, CA, 64937

Civil Engineer, UT, 368681-2202

Qualified SWPPP Developer/Practitioner,
CA, 24214

Professional Affiliations

American Society of Civil Engineers

Dr. Ben Willardson is CWE's Water Resources Director. He is a highly-regarded hydrology and hydraulics specialist with extensive experience in the development and review of hydrologic, hydraulic, sediment transport, and water quality models. Ben managed the operation of 14 dams and 27 spreading grounds for flood control and water conservation within the complex flood control system serving Los Angeles County. He has represented the interests of the Los Angeles County Flood Control District during discussions with the Los Angeles Regional Water Quality Control Board and US EPA regarding discharges of water from Superfund sites into the flood control system. Ben has been heavily involved in the implementation of stormwater management programs for compliance with NPDES Permit requirements and has guided the development of methodologies to evaluate the effective use of BMPs. His experience includes TMDL development and implementation, hydrologic and hydraulic modeling, BMP planning and design, and MS4 Permit compliance assistance.

Caltrans District 7 Las Tunas Beach Coastal Analysis, 2014, Project Lead

Project Lead for the development of a coastal analysis for a rock slope revetment along Pacific Coast Highway in Malibu. The project entailed topographic and bathymetric surveying, analysis of wave heights for frequency, beach profiles, impacts

to the beach from the hardened structure, wave run-up and overtopping, and survivability for tsunamis. The analysis utilized CEDAS and ACES software to evaluate beach evolution and wave impacts. The coastal analysis provided necessary information for a coastal development permit required for construction of the revetment.

Caltrans District 7 North Fork Matilija Creek Geomorphology, Fish Passage, and Engineering, 2013, Project Lead

Project Lead for a fish passage analysis and stream restoration design for Caltrans in the North Fork of Matilija Creek near Highway 33 in Ventura County. Caltrans proposed a soil nail wall replacement of an undermined section of grouted rip-rap road embankment. Fish passage analysis and a geomorphic and sediment transport analysis were required by regulatory agencies to evaluate project impacts. HEC-RAS hydraulic models were used to analyze the existing and proposed hydraulic and sediment transport conditions in the creek. A landscape and irrigation plan was developed for the newly-formed overbank area, along with improved fish habitat features constructed below the bank. The channel design provided reduced velocities, better riparian and fish habitat, and a more stable stream. A geomorphic assessment and sediment transport analysis were also conducted to determine project impacts on the stream channel characteristics and sedimentation. The engineering design provided a natural stream section that improved fish passage and habitat, reduced flow velocities, and solved the erosion issues along the highway embankment. The geomorphology, sediment transport, fish passage, and restoration design were assessed and approved by the NOAA, CDFW, and Caltrans.

Port of Long Beach Port-Wide Capital Improvement Stormwater Master Plan, 2012, Task Order Lead

Task Order Lead for the development of a Stormwater Master Plan for the Port of Long Beach's 1,490-acre stormwater system stormwater system, which includes 35 miles of storm drain, 268 manholes, 334 inlets, 15 pump stations. The purpose of this document is to guide and prioritize planning and capital improvements for the POLB stormwater system, enhance water quality, and ensure adequate capacity for the next 20 years. Services provided included performing drainage studies, creating a hydrologic and hydraulic model that covers the POLB drainage infrastructure both within and outside of Harbor Districts, and providing QA/QC auditing services.

Caltrans District 7 Solstice Creek Fish Passage and Coastal Stability Analysis, 2012, Project Manager

Project Manager for the rehabilitation of the Solstice Creek culvert near Highway 1 within the City of Malibu. Assisted with the removal of the culvert bottom and concrete apron on the inlet site of the culvert, as well as the outlet apron on the beach, to enhance fish passage and mitigate scour holes developed at the outlet under existing conditions. Tasks included performing analyses, utilizing HEC-RAS to determine the stability of the Rock Weir Step Pool System on the beach under various wave heights and associated storm frequencies, and assessing the effects of wave action and tidal force upon the beach structure.



William Young, PE Senior Project Manager

Years of Experience

34

Education

BS, Civil Engineering, 1979
California State Polytechnic University,
Pomona

Registrations/Certifications

Civil Engineer, CA, No. 35715

Professional Affiliations

American Society of Civil Engineers

William Young is CWE's Engineering Director. He has extensive experience in the management, design, and construction of public works and land development projects. Recent responsibilities have included management of projects, public presentations, and development of project staff. His experience in the civil engineering field has covered a diverse range of projects throughout the State of California. The range of projects and tasks include: stormwater BMP design and implementation; channel and storm drain facilities design; erosion control; stormwater permitting; master plans of drainage; floodplain studies; CLOMR/LOMR processing; commuter rail facilities; street and highway design; pavement rehabilitation; sewer and water design; pump station design; and stormwater detention facilities. Career experience includes three years of field surveying, including field topography, boundary, construction staking, and as-built verification for roadway improvements, utilities and flood control projects.

San Bernardino County Lake Gregory Sediment Management and Bio-Retention Design, 2014 – Present, Project Manager Project Manager for a sediment management and bio-retention design project at Lake Gregory. The project involves the design of debris basins, permitting for the construction and maintenance of these facilities, and the removal and disposal of existing sediment. Tasks include designing and constructing sedimentation basins with low-flow and high-flow bypasses, developing a maintenance program, performing a feasibility analysis, and developing a sediment removal plan. Project elements also include design of a low flow system to maintain necessary flows for protection of the wetlands.

Orange County Water District Prado Basin Sediment Management Demonstration, 2011 – 2014, Project Manager Project Manager responsible for design team studies and construction documents for this high-profile sedimentation management project. OCWD, in cooperation with the USACE, will utilize a non-recreational outgrant and OCWD funds to implement a sediment management demonstration project at the Prado Basin. The project will remove approximately 500,000 cubic yards of sediment from the basin upstream of Prado Dam and reintroduce it into the lower Santa Ana River below the dam. Sediment will be removed from the Prado Basin by dredging and will be transported to a temporary holding area near the spillway. Sediment removal will occur during the late summer to fall to avoid impacts to endangered species. Sediment removal will be located in areas with *Arundo Donax* to maximize removal of this non-native plant. Sediment will be re-entrained in Santa Ana River flows during periods of high storm flow. The sediment will then be redistributed in the lower Santa Ana River through a natural sediment transport processes. This project will be monitored to identify where sediment moves, what the effects of sediment entrainment is on the lower Santa Ana River, and what the effects of removing sediment are within Prado Basin.

Port of Long Beach On-Call Engineering Services, 2010 – 2014, Task Manager Task Manager responsible for hydrology, hydraulics, and water quality for POLB improvement projects. Tasks included providing seven final design packages and engineering services for the POLB under two separate on-call contracts.

Port of Long Beach Port-Wide Capital Improvement Stormwater Master Plan, 2012, Technical Manager Technical Manager for the development of a Stormwater Master Plan for the Port of Long Beach's 1,490-acre stormwater system, which includes 35 miles of storm drain, 268 manholes, 334 inlets, 15 pump stations. The purpose of this document is to guide and prioritize planning and capital improvements for the POLB's stormwater system, enhance water quality, and ensure adequate capacity for the next 20 years. Services provided included performing drainage studies, creating a hydrologic and hydraulic model that covers the POLB's drainage infrastructure both within and outside of Harbor Districts, and QA/QC auditing services. Updated the POLB's Design Criteria Manual, along with their Standard Drawings and Specifications.

Port of Long Beach Pier B Rail Facility Infrastructure Program, 2007 – 2009, Task Order Manager Task Order Manager for the project design, including hydrology, hydraulics, and water quality for Port improvement projects at Pier B. Provided all site engineering services for the project including water quality elements. Some key components of the project included realignment of Pier B Street to accommodate new yard tracks, construction of approximately 80,000 feet of new trackage at the Pier B Rail Yard, design of classification yard facilities and/or a potential Near Dock Intermodal Cargo Transfer Facility (ICTF) in the North Harbor Area, and feasibility studies and alternative analysis for potential grade separations at 9th Street and the North Harbor Area. In total, seven final design packages have been completed on budget and on schedule under this contract.



SECTION 4. REFERENCES



On-Call Experience

Harris & Associates has or is providing on-call engineering or project/construction management services to other agencies in Southern California. Some of these public works agencies include:

- City of Los Angeles (Civil and Program Management)
- County of Los Angeles (CM and Civil)
- Metro (Civil and CM)
- Port of Los Angeles (Civil and CM)
- Port of Long Beach (Civil and CM)
- City of Santa Ana (Civil)
- City of Glendale (Civil)
- City of Temple City (Civil and CM)
- Caltrans Districts 7, 8
- City of Pomona (CM and Civil)
- City of Tustin (CM and Civil)
- City of Laguna Beach (Civil)
- City of Lake Forest (Civil)
- City of Irvine (Civil)
- City of Yorba Linda (Civil)
- City of Huntington Beach (Civil and CM)
- City of Garden Grove (Civil and CM)
- City of Brea (Civil and CM)
- City of Dana Point (Civil)
- City of Fontana (CM)
- City of Fullerton (Civil)
- City of Riverside (CM)
- City of Cypress (Civil)
- City of Stanton (Civil)
- City of LaPalma (Civil)
- City of Rancho Santa Margarita (Civil)
- Centre City Development Corporation, San Diego (CM and Civil)
- City, County, and Port of San Diego (CM and Civil)
- City of Coronado (Civil)
- Padre Dam Municipal Water District (Civil)

"I wanted to take a moment to thank you personally for your consistent high quality design services and to compliment the entire Harris Team that has been working with the City of Yorba Linda over the past several years." City of Yorba Linda, Mark Stowell, PE, Director of Public Works/City Engineer

Design Experience (Harris & Associates)

3 References:

1. Esplanade Streetscape Improvements *City of Redondo Beach*

Client Reference: Brad Lindahl, Capital Projects Program Manager, (310) 372-1171, ext. 2286



Harris led a team of traffic engineers and landscape architects on this 2011 APWA award-winning streetscape project that improved a 5,000-foot reach along a coastal roadway, the City's prestigious Esplanade, that serves a popular beach. A primary challenge was to deliver a first class project on a relatively constrained \$3 million budget. Design efforts included installation of new drainage inlets, which required obtaining a Flood Encroachment Permit from the Los Angeles County Department of Public Works. The project required significant modifications and extensions to four different storm drain systems along the Esplanade, due to roadway re-profiling and proposed bulb-out planter construction. The storm drain installation also provided water quality enhancements consisting of catch basin filter inserts. This was crucial since the runoff leads directly to the Pacific Ocean below the bluffs.

The project included re-striping the roadway, adding bulb-out sidewalk landings and improving curb ramps at all pedestrian crossings, bike lanes, adding landscaped bulb out areas, rehabilitating the AC pavement, adding enhanced ocean overlook platforms with artistic "wall seats", and installing a wider decorative sidewalk with large

brick pavers along the coastal bluff. The project required a full topographic survey, geotechnical investigation, and environmental clearances as well as the preparation of plans, specifications and estimates.

Innovation: The project transformed one of the last coastal bluff tops where the views are not blocked by development into a major pedestrian and bicyclist destination, via complete street type improvements including: sidewalk bulb-outs, enhanced cross walks, enhanced walks, ocean view points and a continuous seat-wall that insure ample seating for every visitor. On any given daylight hour and day of the week, more than 100 users are getting out of their cars and enjoying this unique stretch of Pacific coastline.

2. San Ramon Canyon Storm Drain System (formerly Tarapaca Canyon) *City of Rancho Palos Verdes*

Client Reference: Ron Dragoo, Senior Civil Engineer, (310) 544-5252



Harris prepared PS&E construction documents for the \$16 million San Ramon Canyon Storm Drain project. Harris previously prepared a Project Study Report and completed preliminary design for several alternatives, which included two different tunnel installation methods, the design of two different maintenance access roads, large custom inlet and outlet structures, and the installation of a gravity buttress fill to help stabilize the canyon slopes. The primary goal was to develop a storm drain system that delivered storm water flows without causing further erosion to the existing canyon slopes and help stabilize both the San Ramon Canyon slopes and the Palos Verdes Drive East (PVDE) "switchbacks". The Project included a complete hydrology and hydraulic analysis, the preparation of easements, design plans, environmental impact clearances

and mitigation measures that included planting all affected areas with native species, geotechnical investigations and recommendations, an opinion of construction costs, complete project specifications. This project also improved access from Palos Verdes Drive South (PVDS) via a maintenance access road down a steep slope that was also landscaped with drought tolerant plants.

Innovation: Unique project features include a 40% grade “slant drain” hand mined tunnel to the beach, a 2000’ long rib and lagging tunnel that is 90’ deep under the Palos Verdes Drive East switchback roadway, the stabilization of the active Tarapaca Landslide via the proposed storm drain diversion and buttress fill in San Ramon Canyon and extensive environmental clearances all of which will take more than 500 residents downstream out of harm’s way due to annual flooding and debris flows.

3. Brookhurst Street and Adams Avenue Intersection Widening Transportation Plan Study *City of Huntington Beach*

Client Reference: William Janusz, Associate Traffic Engineer, (714) 374-1628

The Harris team was responsible for the preparation traffic studies, project report and 50% plans and estimates for the Brookhurst Street & Adams Avenue Intersection Widening Improvements in order to satisfy the City’s responsibilities as required per the MOU. The final project deliverables followed the guidelines of a Caltrans Project Report but in a somewhat simplified format that met the City’s needs, resulting in a 50% complete set of plans, estimates and supporting documents that conservatively represented the “worst case” widening widths, lengths and impacts to Right-of-Way, drainage, utilities, grading and private property so the City’s environmental / planning staff could proceed with the preparation of an Environmental Impact Report (EIR). An important project element was the close coordination required with the City’s environmental / planning staff to provide the supporting traffic study documents, project impacts, and incorporated mitigation elements as necessary to assist in the EIR preparation process. No outside permitting agency approvals were anticipated for the project. This study, straightforward project report and advanced (50%) concept design phase of the project served as a precursor to the eventual preparation of final 100% plans, specifications and estimates (PS&E).



Additional Roadway Project Experience

Sunset Strip Beautification
City of West Hollywood



Sunset Boulevard, also known as “The Sunset Strip” had not been repaved since the County of Los Angeles replaced the original dirt road with concrete in the 1930s. After more than 75 years of use and as part of the City of West Hollywood’s continued commitment to improving the downtown city corridor and pedestrian experience, the \$6 million Sunset Strip Beautification project was completed in 2010 and includes the following improvements:

- Roadway resurfacing
- Traffic signal upgrades
- Replacement of broken and damaged sidewalks
- Newly landscaped medians
- Pedestrian enhancements
- Creation of flowering tree districts
- Sidewalk widening at Sunset Plaza

Harris prepared PS&E documents for this beautification project of 1.63 miles of Sunset Blvd. (west city limit to east city limit), which serves thousands of commuters daily and is a major arterial boulevard for Hollywood. The team also performed a profilograph investigation, traffic counts, traffic signal modifications and landscape architecture plans. Two community feedback meetings were also held for this project.

Innovation: Improvements on this APWA award winning world famous roadway included 70 custom curb ramps, twelve traffic signal modifications, complete street type elements like sidewalk bulb-outs and enhanced cross walks, the development of four distinct street tree districts (flowering, palm, magnolia and shade trees) and a unique structural rehabilitation of the aging PCC pavement.

SR-1 at SR-107 (Hawthorne Blvd) Intersection Improvements *City of Torrance*

Harris will provide full engineering services, including preliminary and final design, survey, ROW acquisition, traffic engineering, utility relocation, potholing, landscape design, community outreach and construction support.

The purpose of this project is to enhance the intersection of Pacific Coast Highway and Hawthorne Boulevard, which will also provide operational relief along these routes and to the I-405 Freeway. The project is intended to widen and upgrade the intersection via the acquisition of right-of way, construction of dedicated right and left-hand turn pockets, restriping, and resignalization. Utility relocation will be required. Limits of this project are 500 feet on all directions from the intersection of Pacific Coast Highway and Hawthorne Boulevard. Project involves roadway, drainage, traffic and utility design.

This project is an eligible Measure R Highway Program signals/intersection and street widening project on an arterial with a nexus and benefit to the I-405 freeway. The total project budget for design, right-of-way acquisition, construction and inspection is \$19 million. The estimated fees for the project are \$950,000 and the estimated construction cost is \$19,000,000.

"I just wanted to thank everyone for their participation in yesterday's workshop on Harbor Scenic Drive. The time was well spent and there were a lot of good discussions and ideas presented... Thanks again and keep up the good work." Port of Long Beach, Neil D. Morrison, PE, Director of Engineering Design

Harbor Scenic Drive Roadway Improvements *Port of Long Beach*

Harris has partnered with the Port of Long Beach (POLB) in a comprehensive Basis of Design Report and a complete set of Plans, Specifications and Estimate opinions (PS&E) for the rehabilitation of Harbor Scenic Drive, from the end of the I-710 freeway just north of Ocean Blvd to Harbor Plaza (L = 7,400-feet +/-). The present roadway was built in the late 50's /early 60's and was not anticipated to move such a high volume of truck traffic. The roadway must also accommodate high speed (55 MPH) traffic. It is a complicated web of divided highways, with two to three lanes in each direction, and multiple on and off ramps. Most of the non-truck traffic consists of tourists and locals bound for the Queen Mary, restaurants, hotels and the South Shore Boat Launch Ramp.

A primary project goal is to improve the roadway pavement conditions, which are failing in the majority of the project area. This is especially important because Harbor Scenic Drive has such a high volume of truck traffic (75% trucks, six days a week, 24 hours a day) and serves as a critical link in the port's cargo movement in and out of the area (Pier F's connection to the I-710 Freeway).

In addition to rehabilitating the roadway, the project includes the evaluation of Harbor Scenic Drive for the purpose of improving driving safety conditions for both truck traffic and the motoring public. Much of the existing roadway geometry, curves, sight distances, shoulders, super-elevations, signing, lighting, and other safety features are based on old design standards. Additionally, there are multiple access points and the merging/diverging/weaving lanes are short, which makes vehicle maneuvering difficult, particularly for heavy trucks.

Another important project goal is to improve the aesthetics of the existing planted parkways and divided medians. In order to minimize the impact to adjacent businesses (Queen Mary, restaurants, hotels and boat ramp) and POLB's pier

ingress/egress, it is anticipated that the construction of the improvements will take place in at least two phases, which are detailed further herein. The POLB is also very environmentally conscious (“The Green Port”) and, as such, the development of “green” solutions will play an important part in the project approach and the ultimate designs. At the end of the study phase, all of the resulting recommendations will be documented in the Basis of Design Report prior to beginning the preparation of the contract documents.

Innovation: Unique features that are a part of the planned improvements to this iconic roadway include obtaining Greenroads Certification, improved way-finding signage for tourists, addressing the roadways - nearly 70% truck traffic which must have continuous access, and improving water quality, landscaping and merging/weaving conditions at all on/off ramps.

Safe Routes to School Program *City of South Gate*

The project involves the supervising and coordination of activities associated with the design and installation of various safety improvements in the vicinity of South Gate Middle School, Cycle 10 State Project No. SR2SL 5257 (031). The project encompasses construction of the following improvements:

- San Vicente Avenue at Southern Avenue: striping, signing, and ADA improvements.
- Otis Street between Firestone Boulevard and Southern Avenue: striping and signing improvements.
- Otis Street at Firestone Boulevard: striping, signing and traffic signal improvements.
- San Miguel at Firestone Boulevard: striping, signing, and ADA improvements, installation of a new traffic signal.

SR-39 (Beach Blvd) Widening at Edinger Avenue *City of Huntington Beach*

Harris prepared the design of the widening improvements to add a northbound right turn lane on SR-39 at Edinger Avenue. Since SR-39 is under the jurisdiction of Caltrans, a Caltrans Encroachment Permit was required both due to the State highway status and due to the impacts on State R/W at the 405 Freeway On-Ramp. The project required design surveys, alignment studies, roadway

widening plan and profiles, R/W acquisitions, storm drain system modifications, traffic signal modifications, striping and signing plans, streetlight relocations, various utility relocations, parkway landscaping and the preparation of PS&E construction documents.

Innovation: On a very constrained budget, as part of the widening design Harris successfully obtained a Caltrans encroachment permit which included preparation of a design exceptions fact sheet for lane widths and shoulders, a detailed hydrology and hydraulics study, utility relocations, traffic signal modification, right-of-way acquisition and parking lot modification, along the fronting business.

FY 2012-2013 Annual Pavement Rehabilitation *City of Tustin*

This project included a preliminary design for roadway rehabilitation within City Zone 1 as part of the FY 2012-13 Roadway Rehabilitation Project (CIP No. 70001). Harris developed base mapping for the entire project, performed utility coordination and collected record information; performed detailed field reviews of potential project sites, provided treatment recommendations and estimate quantities based on these initial recommendations; provided cost estimates and sized the project to match the available budget, presented a preliminary design with recommendations and cost for City approval prior to developing formal bid documents.

Town Center Infrastructure Improvement Project *City of Yorba Linda*

The City of Yorba Linda plans to revitalize its historic Town Center area by combining the latest state-of-the-art green and sustainable technologies and maintaining the City’s unique Old Town charm to create more than just a desirable destination, but a sense of place that is both pride-inducing and authentic. The improvements will require a wide variety of street, streetscape, landscape, utility and grading design. Project cost = \$10 million +/-.

Comprehensive Infrastructure Design & PS&E Preparation includes the following: Record of Survey Mapping & Right-of-Way Exhibits, Traffic Design Elements (to optimize “multi-user” access and circulation throughout the Town Center Area), Storm Drain Design (including performing a hydrology & hydraulic study), Sewer & Water

Design, Optional Sewer Inspection, Dry Utility Designs, and Site Grading. Additional design considerations will include sustainable solutions and complete streets. Harris will also perform QA/QC and B/C reviews throughout the project process.

Resurfacing and Slurry Seal/Access Ramp Improvements

City of Yorba Linda

Harris provided construction management and inspection services for this project which involved the resurfacing and slurry seal of city streets and improvements to access ramps, road widening, storm drain facilities, and water and sewer improvements, at various locations throughout the city. Provided construction management and inspection services for pavement resurfacing and slurry seal program for various streets and access ramp improvements at various locations.

Orangethorpe Avenue Rehabilitation

City of Fullerton

Project included preparation of PS&E documents for a 1/2 mile of street rehabilitation, including significant amounts of curb, gutter and driveway repair and the reprofiling and preparing an intersection elevation grid detail of the signalized intersections at each end of the project. Work also included obtaining a full topographic survey, updating all curb ramps to the latest ADA standards, preparing traffic control plans for the contractor to adhere to during construction and preparing the complete application package for the City to obtain their Federal funding. One design challenge included addressing the serious reflective cracking from the underlying old PCC pavement that made up the middle 1/3 of the roadway. Although Harris & Associates recommended the use of “Petro-Tac” self-adhesive crack reinforcing membrane, City staff preferred using “GlassGrid” reinforcing mesh instead. The final wearing surface was an ARHM overlay.

Bristol Corridor Widening, Phase I (McFadden to Pine) Transportation Plan Study

City of Santa Ana

Harris provided professional engineering services for the design of Bristol Street to bring the roadway to its ultimate condition as a major arterial highway. This widening and

beautification project is the first step to redeveloping and changing the entire face of the corridor in order for safe, attractive, and comfortable access and travel for all users – pedestrians, bicyclists, motorists and public transport users of all ages and abilities.

The \$13 million project includes the addition of one lane of travel in each direction, raised landscaped medians, continuous sound walls, and eight cul-de-sacs to limit side street intersections. The project also includes the modification of two traffic signal modifications, construction of wide landscaped parkways, and a master planned storm drain system. The Harris team provided a full topographic survey, seventy (70) full-take right-of-way acquisitions, 25 partial-take right-of-way acquisitions, a geotechnical investigation and the preparation of traffic control plans. Furthermore, the project was designed to incorporate bus shelters for rapid transit in a future phase.

This high profile, top priority improvement project for the City of Santa Ana helped Bristol Street to function properly as a critical central corridor for Orange County, connecting the “Orange Crush” (I-5 / SR-22 / SR-57) interchange with South Coast Plaza and the Performing Arts Center.

This project won the 2012 Project Achievement Award by the Orange County Engineering Council (OCEC).

Innovation: This award winning project transformed a four lane highway, with fronting residential properties who had to wait for breaks in the traffic to back out of their driveways, to a six lane highway, with raised medians, linear parks and sound walls along the frontages. This major transformation was accomplished by installing eight cul-de-sacs at intersecting side streets and via 70 full takes property acquisitions.

Additional Storm Drain Project Experience

Beryl Street Drainage Improvements and Beryl/190th Street Traffic Signal

City of Redondo Beach

Harris is providing PS&E for the street, storm drain and traffic signal improvements, hydrology and hydraulic study, topographic survey, pavement coring and preparation plans, specifications and estimate for street, storm drain and traffic improvements.

Innovation: The project will install complete street bicycle and pedestrian enhancements in conjunction with the ultimate widening of the roadway, installation of a new traffic signal and the elimination of reoccurring flooding at Towers Elementary School and the City of Redondo Beach's City Yard.

Low Flow Diversion and Vortex Separation *City of Long Beach*

Consistent with the City of Long Beach's commitment to being the "Green Port" and a good environmental steward, a Clean Beaches Initiative (CBI) Grant was secured for approximately \$4.5 million to install permanent water quality enhancements at three locations. The proposed water quality systems will reduce local sources of contamination by eliminating dry weather flow discharges to the Los Angeles River Estuary and the Outer Harbor and removing sediment and trash. These goals will be accomplished by diverting all runoff during dry-weather, winter-dry, and during non-wet-weather (days of 0.1 inch of rain or less) from three different storm drains (one being owned by LA County) to three different City owned sanitary sewer systems utilizing three (3) Low Flow Diversion (LFD) Systems in conjunction with two (2) Vortex Separation Systems (VSS) and one (1) pre-filter device.

The work involved for this project includes topographic Survey, Hydrology, Hydraulics, Soils Investigation, Utility Detection, Permit Acquisition from Los Angeles Flood Control and Los Angeles Sanitation District. Perform field reconnaissance for the installation of 2 Vortex Separating Systems (VSS) with Low Flow Diversion (LFD) Systems at Ocean / 9th and Ocean / Redondo and a Pre-filter Unit with LFD System at Seaside Way / Golden Shore.

Harris is preparing plans, specifications and estimates for the installation of BMPs, specifically a CDS unit with Low Flow Diversion at Ocean / 9th and Ocean / Redondo and a Pre-Filter Unit with Low Flow Diversion at Seaside Way / Golden Shore.

McCarrell Drainage System Design *City of Rancho Palos Verdes*

Harris provided professional design services for the preparation of PS&E construction documents for the APWA 2009, "Project of the Year" award winning McCarrell Canyon Storm Drain and Palos Verdes Drive

South Widening project, which was estimated at \$6.4 million in construction costs, with actual bids coming in at \$5.9 million. The 66-inch diameter pipe was designed to convey a 100-year storm and collects runoff from the steep natural McCarrell Canyon, which total to 340 acres. The primary goal was to better protect Palos Verdes Drive, the affected residences downstream and the existing 150' vertical coastal bluff. Presently, there exists a repetitious cycle of dangerous high velocity flooding and regular maintenance to remove sediment deposits at the upstream debris catcher where McCarrell Canyon meets Palos Verdes Drive.

Services included preparing a detailed hydrology and hydraulics study report, undertaking geotechnical studies (subconsultant), survey (subconsultant), environmental clearances (subconsultant), coordinating/consulting with all governing authorities and full PS&E design of the proposed storm drain system.

Additional unique design elements included upsizing the pipe to account for additional "bulk and burn" flow volumes, which will allow the proposed storm drain to convey small cobble and sand to replenish the beach below, special velocity reducer rings to dissipate energy from the flows as they are conveyed to the bottom of a 150-foot high coastal bluff and the use of a micro-tunnel operation to install the proposed storm drain pipe to the bottom of the 150-foot high coastal bluff. Catch basin filter inserts are being installed on all new catch basins to ensure water quality to the beach below, and the potential exists for a future installation of a dry weather low flow diversion system to a adjacent sewer pump station operated by the LAC Sanitation District.

Canada Boulevard Storm Drain Construction and Street Resurfacing *City of Glendale*

Harris was responsible for the evaluation, investigation and design of a storm drain system under Ramona Avenue, Cañada Blvd and Del Valle Avenue. Harris submitted the drain for transfer of ownership and maintenance of the system to the Los Angeles County Department of Public Works through the Miscellaneous Transfer Drain process as MTD 1842. This system was designed following water quality guidelines as set by the Los Angeles County Department of Public Works, Development Planning

for Storm Water Management, dated September 2002. Harris was also responsible for the preparation of street improvement plans for the resurfacing of Cañada Blvd from southerly to northerly intersection with Verdugo Road.



Innovation: Unique project includes a 40% grade “slant drain” hand mined tunnel to the beach, a 2000’ long rib and lagging tunnel that is 90’ deep under the Palos Verdes Drive East switchback roadway, the stabilization of the active Tarapaca Landslide via the proposed storm drain diversion and buttress fill in San Ramon Canyon and extensive environmental clearances all of which will take more than 500 residents downstream out of harm’s way due to annual flooding and debris flow.

Additional Sewer Project Experience

Ball Road Sanitary Sewer and Storm Drain Improvements - Citywide Sanitary Sewer Program/ Projects Group 6 and Storm Drain Improvements City of Anaheim

The sewer improvement portion of the project consists of a detailed confirmation of the sewer improvement strategy proposed in the Combined West Anaheim Area Master Plan of Sanitary Sewers (CWAAMPSS) for Model 176 along Ball Road, from Beach Blvd to Knott Avenue. The ultimate goal is to prepare construction documents for the approved sewer improvements to add the required additional capacity to the system and also allow for potential additional diversions from adjacent sewer models where deficiencies are identified. An alternative parallel alignment, which saves money and adds maximum flexibility for additional

diversions from outside models and the elimination of existing sewer siphons along Ball Road, is also provided.

The storm drain improvement portion of the project consisted of a detailed confirmation of the storm drain improvement strategy proposed in the Master Plan of Storm Drainage for Carbon Creek Channel Tributary Area (MPSDCCCTA) for Drainage Basin 3-1 along Ball Road, from Beach Blvd to OCTA Railroad R/W and along OCTA Railroad R/W, from Ball Road to Carbon Creek Channel (BO1). The ultimate goal was to prepare PS&E construction documents for the approved storm drain improvements to add the required additional capacity to the system and allow for future upstream extensions along Western Avenue and Ball Road east of Beach Blvd. A joint trench alignment along Ball Road, which saves time and money by combining the construction of the proposed RCB with the proposed sewer, was provided.

Sewer Improvement Projects Garden Grove Sanitary District

Harris prepared PS&E construction documents for the GGSD master plan facilities CIP Projects 20, 21, 22 and 23 that added required additional capacity to the system. The project included sewer upsizing to 15-inch and 12-inch VCP sewer mains. Harris proposed an innovative alignment through an apartment alley to reduce the total pipe length required and increase the pipe slope, which also required a permanent sewer easement. A utility detection survey was utilized to avoid utility conflicts in advance and the new sewer was strategically placed to increase the separation from a parallel 33-inch high pressure gas line to maximize both short-term and long-term safety. Additionally, two large storm drain crossings created the need for special sewer crossing details and permission from the Orange County Flood Control District. The scope also included a complete topographic survey, geotechnical investigation, utility potholing, preparation of a project study report and civil design.

Commonwealth Avenue Sewer Improvements City of Fullerton

The project consists of the fast-track (complete by early to mid-January 2014) preparation of P, S, & E construction documents to address deficiencies and non-cleaning velocities in multiple existing 12” VCP sewer mains along two separate reaches of Commonwealth Avenue, as shown

on two maps provided by City staff, and detailed as follows:

Location 1: Commonwealth Ave - from Basque Ave to Euclid St (L=2,700'): The northerly existing 2" VCP is in poor condition, is shallow and has no lateral connections. The southerly existing 12" VCP in fair condition, is deeper and has approximately 41 lateral connections. The proposed improvements will either OPTION 1) require the abandonment of the two existing 12" VCP sewers and the placement of a new single sewer (size to be determined) or OPTIONS 2) require the replacement of the shallow northerly 12" sewer with a new deeper 12" VCP sewer line. Option 1 is preferred by City staff and would also require a sewer diversion manhole at the downstream end on Basque Avenue. Any required pipe sizing hydraulic calculations would be performed utilizing City-approved flows and City staff has indicated that to achieve a 30%/60% flow split a 0.70' deep weir would be required in the flow split manhole per a detail that is assumed to be similar to the sample provided by City staff. There is one sewer manhole that may be buried by an AC overlay that is assumed will be uncovered by City crews prior to our field survey. City will also provide all required CCTV video inspections.

Locations 2: Commonwealth Ave - from 250' +/- E/O Gilbert St to Brookhurst Road (L=2,500'): The southerly existing 12" VCP does not receive enough flows to be self-cleaning but does intercept approximately 22 lateral connections. The middle existing 12" VCP has some cracking. The northerly existing 21" VCP trunk sewer has been recently improved and is not a part of the project. The proposed improvements will be either OPTION 1) abandon the existing southerly 12" sewer, place a cured-in-place-pipe (CIPP) liner in the middle 12" sewer and divert 22 sewer laterals from the southerly sewer to the middle sewer. This option will also require replacing the existing brick manholes in the middle sewer line. Sub-OPTION 2) would be required if the existing sewer laterals cannot be extended for some reason to the middle sewer line, in which case the project would also replace the southerly sewer line with a smaller (self-cleaning) main line. Any required pipe sizing hydraulic calculations would be performed utilizing City-provided flows. City will also provide all required CCTV video inspections.

The project is located on an arterial highway and there will not be sufficient funding to include street rehabilitation improvements, thus only the trench and the logical adjacent

travel lane(s) will be repaved as part of the project. Thus the soils investigations by Harris & Associates sub-consultant MTGL will focus on the sewer design with the proposed AC pavement replacement section likely being 1" thicker than the existing section encountered in the project borings. Not Harris & Associates has developed a preliminary construction cost estimate which places Location 1 at approximately \$926,000, Locations 2 at approximately \$650,000, for an approximate grand total of \$1.567 million.

"I would like to take this opportunity to compliment the Harris & Associates Team that has been working with the City of Rancho Palos Verdes over the past year on the McCarrell Canyon Storm Drain project. I want to express my appreciation for your teams' excellent professionalism, responsiveness and cooperation." City of Rancho Palos Verdes, Jim Bell, Director of Public Works

Additional Parks Project Experience

William Mason Regional Park ADA Path Improvements *Orange County Great Park Corporation*

Harris provided survey and civil engineering design services for the subject Mason Regional Park ADA Path Improvement Project, which will create an ADA pedestrian path from the short-term parking lot park and park entrance off of University Drive to the Park Office Building to the secondary parking spaces just inside the park and to the pedestrian trail near the lake. The primary project challenges include:

- Removing the ADA path link directly to the Park Office Building from the entrance and redirecting this ADA path to the proposed new trail from the short-term parking lot at the park entrance to a path behind the Park Office Building (see Photo 1) around to westerly side of the building where the sidewalk area is level with the building entrance
- Reconfiguring the existing very steep landing to be level in front of the Park Office Building "service window" frontage area (see Photo 2), eliminating a steep existing ramp and filling in the resulting grade differential with a planter buffer between the road and the landing and adding a handrail
- Confirming ADA compliance at the two ADA parking

spaces (one existing, see Photo 1, and one proposed, see Photo 3) including striping, signage and curb ramps with detectable warning (dome mats)

- Creating a new path (that protects all trees) through the grassy area behind the Park Office Building that also leads a new curb ramp at the secondary parking spaces just inside the park (see Photo 3) and to the pedestrian trail near the lake (see Photo 4) with new/reconfigured curb ramps at that location
- Adding approved wayfinding signage, as appropriate, to direct all pedestrians to the Park Office Building and lake via the new path around the building
- Addressing impacts to existing landscaping, irrigation, irrigation boxes and other existing surface features

Peters Canyon Park Parking Lot Traffic Study Orange County Great Park Corporation

OC Parks is in the process of preparing a General Development Plan (GDP) for PECA, a plan which will include long-term recommendations relative to parking. However, in response to neighborhood concerns, OC Parks desires to review the existing parking situation and develop a list of potential parking options to address those concerns on a short-term basis. The Harris team tasks are intended to identify/quantify the existing parking demand, parking supply, and opportunities to provide additional on-site and/or off-site parking.

Kern River Upland and River Edge Restoration Project City of Bakersfield

Harris prepared the preliminary design, final design plans, specifications and cost estimate and managing a multi-firm project team for this \$1.8 million project to restore land adjacent to the Kern River to an enhanced natural plant life condition in combination with the additional hike trails and amenities as described herein. A Proposition 50 grant contributed \$1.4 million of the project funds and the City of Bakersfield funded the balance. The new park focuses on conservation and interpretive enhancements, which provide the Bakersfield school children and the general public opportunities to observe and learn about native plants and animals in their natural habitat. The new park spans 2,500 linear feet of frontage along the Kern River, with miles intertwining foot trails and encompasses 10.25 acres of land. Proposed amenities include six conservation / interpretive kiosks with different themes

including river hydrology, native plant life, native fauna, history of the local irrigation canal system, and history of the adjacent Pacific Railroad corridor. Improvements also included natural (stabilized DG) walking paths, overlook platforms, native shrubs, grasses and trees. Public access will be provided through five formal public pedestrian access points, including the Kern River Bike Path and a new pedestrian bridge over an adjacent large irrigation canal from an existing ballpark that has a sizable existing parking lot that provides parking for the new park users. The ADA compliant trails included interesting curves, switchbacks and adjacent retaining walls made of railroad ties (adjacent railroad theme), river rock (adjacent river theme) and wire mesh gabions filled with rock (adjacent flood control theme).

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

SUBCONSULTANT REFERENCES

<p>MTGL (DBE) Geotechnical</p>	<p>David Elseroad, City Project Manager City of Anaheim 714.765.5100 delsroad@anaheim.net <i>Project: City of Anaheim - On-Call Soils and Materials Testing Services</i></p>	<p>Gary Sanui City of La Mirada 562.902.2373 gsanui@cityoflamirada.org <i>Project: City of LaMirada 2012-2013 Street Improvement Program</i></p>
<p>Tatsumi & Partners (DBE, MBE, SBE, UDBE) Landscape and Irrigation</p>	<p>Ms. Suzi Furjanic, Associate P/L Planner City of Santa Ana - Parks, Recreation and Community Services Agency M-23 714-571-4241 sfurjanic@santa-ana.org <i>Project: Santa Ana Public Works On-Call Projects</i></p>	<p>Mark Lewis, Director of Public Works City of Fountain Valley 714-593-4435 mark.lewis@fountainvalley.org <i>Project: Slater Avenue, Brookhurst Street Median Improvements, & Talbert Street</i></p>
<p>California Watershed Engineering - (DBE/ MBE/SBE/EBE) Water Quality</p>	<p>Neil Morrison, PE Port of Long Beach 562-437-0041 neil.morrison@polb.com <i>Project: POLB Port-Wide Capital Improvement Stormwater Master Plan and POLB Harbor Scenic Drive Improvements</i></p>	<p>Anthony Arevalo City of Long Beach 562-570-6023 anthony.arevalo@longbeach.gov <i>Project: City of Long Beach Design of Three Low-Flow Diversion Systems and Two Vortex Separation System Pre-Filter Units</i></p>
<p>LSA Associates, Inc. Environmental</p>	<p>Victoria Butler Alameda Corridor-East Construction Authority 626-962-9292 <i>Project: On-call Environmental Services</i></p>	<p>Jinous Saleh Caltrans District 7 213-897-0687 <i>Project: On-call Environmental Services</i></p>
<p>KDM Meridian (SBE) Surveying</p>	<p>Steve Finton City of Manhattan Beach 310-802-5300 <i>Projects:</i></p> <ul style="list-style-type: none"> • <i>Pipe Replacement and Fire Hydrant Installation Project # 12826E</i> • <i>Street Resurfacing – Ardmore Avenue & Valley Drive Project # 12832E</i> • <i>Water Main Replacement Sepulveda Blvd. & 2nd Street Project # 12829E</i> • <i>Sepulveda Blvd. at Manhattan Beach Blvd. Dual Left Turn Lanes Project # 12823E</i> 	
<p>C Below (SBE) Potholing/Utility Detection</p>	<p>Dale Holdmann, Project Manager Port of Long Beach 562-590-4146 <i>Project: POLB On-call: vacuum potholing services</i></p>	<p>Steven Reiser, Project Manager, Port of Los Angeles / Sukut Construction / Griffith Company / Shimmick Construction 714-460-1083 <i>Project: Worked with multiple companies on redevelopment of POLA ~ 284 acres.</i></p>
<p>Albert Grover & Associates Traffic Studies & Traffic Engineering</p>	<p>Nelson Wong, Traffic Manager City of La Habra (562) 905-9622 NWong@lahabraca.gov <i>Projects: New Signal Designs/Signal Modifications at Various Locations</i></p>	<p>Mike Hudson, Director of Public Works/City Engineer City of Montclair (909) 625-9441 mudson@ci.montclair.ca.us <i>Projects: New Signal Designs/Signal Modifications at Various Locations</i></p>

SECTION 5. OVERVIEW AND APPROACH

Section 5.1. Approach

Harris' civil engineers specialize in public infrastructure. We are a leader in the use of innovative design technologies including no-dig pipeline rehabilitation, storm water quality solutions, and new pavement technologies. Our design services include:

- Streets and highways
- Traffic signals and lighting
- Building site and park infrastructure
- Storm water management plans, programs, and practices
- Water, sewer, and storm system master planning
- Water distribution, sanitary sewer, and storm facilities
- Joint trench design
- Trenchless technology solutions
- Harris' special design expertise

The Harris design team is fully capable to perform a wide range of design services, utilizing the latest state-of-the-art computerized design and drafting tools, and when teamed with the proper subconsultants we can meet nearly every need that is required. However, when requested to prioritize our greatest in-house strengths, we have the following list to offer.

Street Design

- Pavement rehabilitation
- Widening existing roadways
- New roadways
- New medians
- Streetscape enhancements (decorative pavements, detailing and street furniture)
- ADA compliance (new and retrofit improvements)
- Roadway reprofiling / gridded intersection elevation design
- Bike trails (on and off street)
- New and modified storm drain design in conjunction with related street work
- Traffic signing and striping
- Traffic detours and phasing
- Streetlighting systems (complete electrical design)

- Traffic signals (new installations and modifications)
- Storm water pollution prevention plans
- All related technical provisions and specifications
- All related quantity take-offs, earthwork calculations and cost estimates
- All related utility coordination (research, identifying impacts and relocations)
- All related encroachment permits (Caltrans, railroad crossings, adjacent cities)
- Environmental clearance paper work and processing

Storm Drain Design

- New storm drain installations
- Storm drain channel design and modifications to existing channels
- Rehabilitation of existing systems (lining, parallel systems and replacements)
- All related hydrology and hydraulic studies, calculations, maps and reports
- Master plans of drainage
- All related technical provisions and specifications
- Water quality enhancement (catch basin filter inserts, CDS units, nuisance water clarifiers, etc.)
- All related quantity take-offs, calculations and cost estimates
- All related utility coordination (research, identifying impacts and relocations)
- All related encroachment permits (Caltrans, Railroad crossings, adjacent cities)
- Environmental clearance paper work and processing

Sewer and Water System Design

- New and rehabilitation design (including latest trenchless technology methods)
- Network designs
- Master plans and studies
- Pump stations
- All related specifications, quantity/cost estimates, utility coordination and permits

Grading, Parks and Parking Lots

- Removal of existing improvements and infrastructure.
- New and rehabilitation design (including ADA)

compliance issues)

- All related grading/earthwork and drainage design
- All related specifications, quantity/cost estimates, utility coordination and permits

On-Call Engineering Resources

Harris has the staff, physical facilities, and financial depth to properly service Manhattan Beach’s on-call contract. Since there is no particular project identified, we have provided the City with a sampling of staff to help you better understand the types of workforce we can provide.

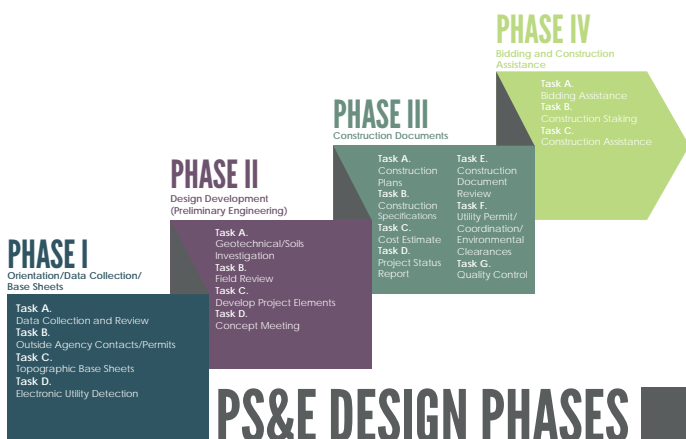
We are able to provide resources for the following areas of service:

- Construction Management
- Engineering Services
- Public Finance

Harris invited potential subconsultants to provide geotechnical, environmental, landscape/irrigation, potholing, survey, traffic and water quality services.

Project Approach

Prior to the start of any project, Harris will meet with the City to develop a clear scope and schedule of work. Harris’ approach to a design project is typically divided into four phases.



As Project Manager, Randall Berry, will be involved in all phases of any project. He will also serve as the single point of contact with the City.

Project Engineers typically gets involved during the design concept phase (Phase II) and stay involved through the completion of Construction Document (Phase III). There are also tasks during Phase I for which the Project Engineer participates, including utility coordination.

Design Support is provided in all four phases. During Phase I, design support will assist with data collection and utility coordination. During Phase II and III, design support is responsible for most of the CADD drafting. During Phase IV, design support provides any support to the Project Engineer for clarification to the plans and specifications.

Subconsultants are utilized during any phase of the work where their specialty is required.

Implement Projects Quickly and Cost Effectively

In successfully providing on-call engineering services to agencies throughout Southern California, we understand the dynamics and your expectations from the selected consultants. These expectations include flexibility and prompt responsiveness to task orders, understanding political realities of local government, and working with members of the community and project stakeholders to deliver projects that best serve project users.



We understand the unique fiscal challenges of our times with reduced tax revenues, the abolishment of the Redevelopment Agencies, and reduced State and Federal funding. As a result, all public agencies are faced with doing more with less and stretching their capital improvement programs. Our job is to assist you in developing innovative ideas to reduce construction costs and achieve the high quality services that City of

Manhattan Beach residents and businesses expect. *For the City of Anaheim, Thornton Brady Storm Drain project, our team reduced the project construction cost by \$1 million by using Harris' alternative alignment.*

We also consider ourselves to be good stewards of tax dollars. Our philosophy in maintaining a project budget, once established at the program level, is to confirm the expectations of all team members are clearly understood prior to starting design and establishing milestones at 30, 50, 70, and 90 percent of the design effort. We have found that by establishing a clear definition of the project scope in terms of budget, deliverables, and schedule, and working to minimize scope creep during the design process, projects are delivered within budget and schedule, and expectations are met. This dedication is also carried through to our construction management services where we believe in a lean team and cross-training to deliver projects.

Responsibility and Communication

During the project kick-off meeting, Randall Berry will provide a project schedule, a list of requested information, and other information establishing communication protocols and project processes and procedures.

Throughout the course of the project, Randall will prepare meeting agendas and meeting minutes in addition to monthly status reports. These reports will describe the project progress to date, anticipated challenges, requested feedback on project elements and status of schedule.

Randall will invite all stakeholders required to be at the meetings including cooperative and utility agencies representatives. All project agendas will be emailed to the City's Project Manager two days prior to each meeting and all meeting minutes will be posted on the SharePoint project site within one week of the meetings.

In addition, our role as an extension of your staff is to provide alternative solutions to project challenges. A detailed analysis of project alternatives will be provided including pros and cons; construction cost estimates;

schedule, environment, and community impacts; utility and City requirements, etc. This is accomplished by utilizing an alternative analysis matrix to compare the various project alternatives. We have successfully used this matrix (see sample above) on many past projects as it allows for an impartial evaluation of each major item based both on its relative importance and ability to meet the established design criteria. This information is also important to decision makers to provide informed direction. All decisions provided will be tracked in a decision matrix to document the thought process and reasoning to arrive to each individual decision through the course of the project.

Alternative Analysis Matrix			
Impacts	Alternative 1	Alternative 2	Alternative 3
Widening/Modification to existing Roadway Approaches	Minimum horizontal approach transitions required	Longer transitions are required	
Bridge Width	86'	96'	
Grade modification to Roadway Approaches	Removal and construction of entire Da Vall intersection, including portion of north leg of Da Vall Drive & east segment of Frank Sinatra	Removal and construction of 1/2 of Da Vall intersection	
Removal and construction of 1/2 of Da Vall intersection	Address increased 10'-15' depth cover over existing utilities	Increase 20'-25' depth cover over existing utilities	
Right of Way Acquisition	Parcels significant impact on development @ the NW corner of Da Vall Drive	10 parcels are impacted	
Impacts to Existing Mobile Home Park	Vertical roadway alignment will have lighting and sound impacts	Insignificant	
Traffic Control & Construction Staging	Construct temporary driving shoulder on one side of the roadway to maintain 2-lanes of traffic	Temporary roadway is not feasible	
Probable Construction Cost	\$20 million	\$25 million	

Communication with City and Community

The Harris team understands the importance of the public participation process, including establishing an effective and proactive process early on in the project. Working side by side with City staff, we will conduct community meetings and distribute information at critical stages of the design projects so the public can make comments and have their concerns answered. The Harris Team has considerable experience and success in performing community outreach meetings, having done so on recent similar projects for the cities of Anaheim, Rancho Palos Verdes, Redondo Beach, West Hollywood, Pico Rivera, and Newport Beach. We know that clear graphics/display boards are critical, that "before" and "after" photo simulations are

worth a 1,000 words, that Spanish translators are often required, and that work schedules and descriptions of impacts to property are all essential to obtain the successful “buy-in” of the local community.



While it is true that the majority recognizes the benefits of improvement projects, there will be some who have a personal impact to their property that may not. In our experience, when public agencies present a project to the community prior to construction and incorporate their feedback in a meaningful way, there is much more support and buy-in. We will work to keep interested parties informed as to what is happening, when things are scheduled to happen and what we are doing to avoid issues and improve conditions before we get to construction.

Quality and Reputation

We welcome you to contact our past and current clients to inquire about the quality of our completed work and high level of integrity we have maintained throughout our projects.

Section 5.2. Project Controls

Cost Control

In order to grow and remain prosperous we have an established internal accounting system that provides our project managers with project cost accounting every two weeks. Our philosophy in maintaining a project budget, once established at the program level, is to make sure that the expectations of all parties are clearly understood prior to the start of design and establishing milestones to

evaluate estimated construction costs. We have found that by establishing a clear definition of the project scope in terms of budget, deliverables, and schedule, and working to minimize scope creep during the design process, projects are delivered within budget and schedule, and expectations are met. As part of the project scope we develop a master schedule that includes all the activities required to deliver the project. The master schedule is then used to monitor progress, is updated every two weeks, and the project team is provided with a three-week look ahead schedule. By keeping the schedule constantly updated our team is able to resolve issues before they become problems.

Harris uses various components for cost and schedule control, including computer software and a standard company Procedures Manual used on all projects. The manual defines procedures and protocols for biddability/constructability reviews, managing change orders, dispute resolution, and other services provided by the construction management team.

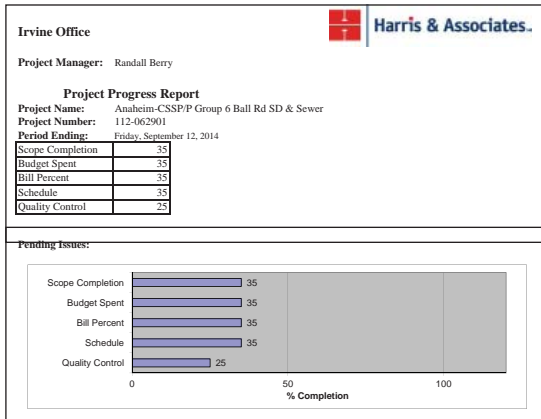
Cost control begins in the design phase. Statistically, an issue can be ten times more costly to fix during construction than during design, due to the costly nature of either delaying crews and equipment or ripping out newly completed work and redoing it. Engineering and CAD time is much less costly than work delays or reconstruction of completed work. The purpose of our biddability/constructability reviews is to discover any potential issues that could have a cost or schedule impact during construction. We also look for means and methods to decrease construction costs without affecting the integrity of the completed product.

Earned Value

Earned value is a means of measuring project performance to evaluate if a project is on track. In other words, it is a mean of finding how much of a project budget and schedule have been spent versus the amount of work completed to determine if cost and schedule performance is as planned.

One of the tools we utilize to track projects' performance is to develop weekly status reports that provide project financial information, percent of scope completion, and meeting targeted schedule. In an ideal world, a straight vertical line can be drawn across these three elements for

a project to meet budget, scope, and schedule targets. A sample of a project report is presented below identifying project earned value. This report would not only inform our project team member of project progress, but will also identify any corrective measures needed to address any variances.



History of Working Together

Our team members have worked successfully with one another on various other on-call projects in the past. Individually, each brings knowledge, experience and skills required to successfully deliver the City's various projects. Collectively their strengths and previous working relationships with the City of Manhattan Beach provide a core team that will meet your project challenges.

In addition, Harris is committed to minority, women-owned, and small business outreach and has an excellent record for including highly qualified DBE firms in virtually all of its projects.

Section 5.3. QC / QA

Quality Control

Harris utilizes a comprehensive in-house quality assurance/quality control (QA/QC) program modeled after the U.S. Navy's Quality Control Program, (copy available upon request) that requires all deliverables leaving our offices are first reviewed by the Quality Control Manager. We have the philosophy that QA/QC is a continuous process from conceptual design to final PS&E. An experienced QC Manager, other than the Program Manager, will be assigned to deliver an objective review of the work product. When several disciplines are involved in a project, the QC

Manager may also seek review assistance when needed from other individuals specializing in those disciplines to verify that all project concepts are being met and all constructability issues are addressed prior to delivery of the project.

QA/QC Review Stamp	
Review # (%): _____	Print Date: _____
Originator: _____	Issue date: _____ (if differs from Print date)
QA/QC Review: _____	Date: _____
PM Digest: _____	Date: _____
Updated: _____	Date: _____
PM Back Check: _____	Date: _____
QA/QC Verified: _____	Date: _____
Drawings Checked Against Supporting Calculations, Reports & Specs	
By: _____	Date: _____

Quality Control Manager

A Quality Control Manager is assigned to each project. This individual is a person other than the Project Manager and is removed from the day-to-day project operations, but is responsible to review all submittals of construction documents prior to each submittal to the client. These reviews conform to our formal QA/QC program utilizing forms; check lists, procedures and minimum standards for all work. In addition, this process requires the submittal is complete and all concerns and issues raised by the client during the design development phase and progress meetings are addressed.

In addition, we will review project design parameters including assumptions, technical methods against project design guidelines, and exceptions listed in a Project Design Memorandum to verify that minimum design standards are being met.

All plan revision comments received from the City and cooperative agencies will be scanned and returned to each respective agency with a response to each individual comment to reduce agency staff time in reviewing progress submittals.

Biddability and Constructability Review (B&C)

Another level of quality control we employ is to conduct a B/C review of construction documents at 90% and 100% completion level. This is carried out by our in-house construction management services team.

Biddability is a measure of a bidder's ability to understand the contract documents and prepare a competitive, responsive bid proposal. Wherever ambiguous contract

provisions place a hint of doubt in the bidder's mind, a contingency amount may potentially be added to the bid to cover for the ambiguous information. As an element of our QA/QC, we draw from our vast resource of construction managers and inspectors to search for these challenging areas and take corrective action to eliminate them. Our biddability review will also examine the "front-end" conditions or general provisions of the specifications for modifications and updating to reflect the specifics of the project.

Constructability is a measure of the successful bidder's ability to build the project according to the designer's intent. Constructability covers a broad range of concepts, such as project duration, sequencing, working around existing facilities, adequacy of staging areas, drawing details, drawing conflicts, and errors and omissions in the contract documents. Challenges in any of these or numerous other areas can lead to delays, change orders, and claims. Our review will be made with these concepts in mind to make modifications we believe are appropriate to eliminate problems with the contract documents.

Quality Assurance

Quality assurance defines the process utilized for each project to assure that the design project deliverables are accomplished in accordance with the Quality Control Plan.

To achieve the desired quality of deliverables and services, quality assurance consists of several systems including:

- Initial implementation of Quality Control Program
- Surveillance and monitoring activities
- Conduct quality audits to verify conformance with policies and procedures
- Quality assurance reports

Record of On-Schedule Delivery

The Harris team has successfully provided as-needed design consulting services to several agencies. *The most recent experiences were providing the cities of Irvine, Fullerton, and Cypress with on-call design services for numerous capital improvement projects.* These assignments included projects completed concurrently for these agencies over the last two years. The Harris team effectively managed several design and permitting issues including coordinating with many different utilities, utilizing innovative utility

detection surveys to horizontally and vertically locate underground utilities in advance of the design, obtaining Orange County Flood Control connection permits and approvals, and maintaining tight construction budgets and schedules. The Harris team was able to successfully address all of these different issues while committing the needed staffing and resources to deliver efficient completion of these concurrent projects.

SECTION 6. COMPENSATION/PAYMENT SCHEDULE

Hourly Rates are shown in a separate sealed envelope

SECTION 7. PROPOSAL FORMS

This section contains the following forms:

PRIME

Harris & Associates:

- Appendix 2 - Non-Collusion Affidavit
- Appendix 3 – Consultant’s Acknowledgement of Compliance with Insurance Requirements for Agreement for Professional/Consultant Services
- Appendix 4 - CERTIFICATION OF PROPOSAL
- Appendix 7 - Exhibit 10-K Consultant Certification of Contract Costs and Financial
- Appendix 8 - Exhibit 10-O1 Consultant Proposal DBE Commitment
- Appendix 9 - Exhibit 10-Q Disclosure of Lobbying Activities
- Appendix 9.1 - Exhibit 15-H DBE Information —Good Faith Efforts -- Shown in Section 8. Good Faith Effort

SUBCONSULTANTS

MTGL:

- Safe Harbor Rate
- DBE Certificate

LSA:

- Appendix 7 - Exhibit 10-K

Tatsumi:

- Appendix 7 - Exhibit 10-K
- DBE Certificate

C-Below:

- Appendix 7 - Exhibit 10-K

KDMM:

- Appendix 7 - Exhibit 10-K

AGA:

- Appendix 7 - Exhibit 10-K

CWE:

- Appendix 7 - Exhibit 10-K
- DBE Certificate

Harris & Associates

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

Randal Berry, PE

Name of Authorized Representative

Director, Engineering Services

Title of Authorized Representative

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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: Harris & Associates Name (Please Print or Type)

By: *Randall Berry* Consultant's Signature

Date: February 26, 2015

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

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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. 1027-15**.

- 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: Harris & Associates

By: *Randall Berry*
(Authorized

Signature) Type Name: Randal Berry, PE

Title: Director, Engineering Services

Date: February 26, 2015

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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: Harris & Associates, Inc.

Indirect Cost Rate: 170.82% * for fiscal period 01/01/2013 – 12/31/2013

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

Local Government: City of Manhattan Beach

Contract Number: 1027-15

Project Number: n/a

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 \$ 130,500,000 and the number of states in which the firm does business is 3.



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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): \$ n/a

Prime Consultants (if applicable)

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

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

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

Consultant Certifying (Print Name and Title):

Name:

_____ Gary Wohl _____

Title:

_____ President _____

Consultant Certification Signature **:

_____  _____

Date of Certification (mm/dd/yyyy): 02/24/2015

Consultant Contact Information:

Email: Gary.Wohl@WeAreHarris.com

Phone number: 925-827-4900

**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

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APPENDIX 8 - EXHIBIT 10-O1 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, California</u>			
2. Project Location: <u>Manhattan Beach, California</u>			
3. Project Description: <u>RFP No. 1027-15 On-Call Professional Design Services in the City of Manhattan Beach, CA</u>			
4. Consultant Name: <u>Harris & Associates</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 %
MTGL: Geotech	Juan LeRoy 2992 E. La Palma Avenue, Suite A Anaheim, CA 92806 tel.714.632.2999	CUCP #33843	4%
Tatsumi: Landscape	David H. Tatsumi, RLA, ASLA 49 Discovery #120 Irvine, CA 92618 tel 949.453.9901	CUCP #4570	3%
CWE: Water Quality	Vik Bapna, PE, CPSWQ, QSD/P 1561 E. Orangethorpe Ave., Suite 240 Fullerton, CA 92831 tel 714.526.7500	CUCP #35966	4%
Local Agency to Complete this Section			10. Total % Claimed
16. Local Agency Contract Number: _____			11% %
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) _____			Randall Berry, PE 12. Preparer's Name (Print)
20. Local Agency Representative Signature _____ 21. Date _____			Director, Engineering Services 13. Preparer's Title
22. Local Agency Representative Title _____ 23. (Area Code) Tel. No. _____			2/26/2015 949.655.3900 x 2314 14. Date 15. (Area Code) Tel. No.

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

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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 type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance</p>	<p>2. Status of Federal Action:</p> <p><input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award c. post-award</p>	<p>3. Report Type:</p> <p><input 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>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)</p>	<p>11. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI)</p>	N/A
<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:</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>Randall Berry</i></u></p> <p>Print Name: <u>Randal Berry, PE</u></p> <p>Title: <u>Director, Engineering Services</u></p> <p>Telephone No.: <u>949-655-3900 x2314</u> Date: <u>2/26/2015</u></p>
<p>Authorized for Local Reproduction</p> <p>Standard Form - LLL</p>		

Federal Use Only:

Standard Form LLL Rev. 04-28-06

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MTGL

SAFE HARBOR RATE

CONSULTANT CERTIFICATION OF ELIGIBILITY; AND CONTRACT COSTS AND FINANCIAL MANAGEMENT SYSTEM FOR FEDERAL-AID HIGHWAY PROJECTS

Consultant Firm Name: MTGL, Inc

Local Agency (if applicable): _____

Contract # (if applicable): 1027-15

Federal Project #: _____

Contract Total: \$ TBD

For Subconsultants - estimated % of work to be performed: 4 %

Safe Harbor Rate (Indirect Cost Rate): **110%**

Certification of Eligibility:

I, the undersigned, certify that I am eligible to use the safe harbor indirect cost rate as I:

1. Do not have relevant contract cost history to use as a base for developing a Federal Acquisition Regulations (FAR) of Title 48, Code of Federal Regulations (CFR), Part 31 compliant indirect cost rate (ICR).

OR

2. Do not have a previously accepted ICR by a cognizant agency, or with an audited/accepted actual ICR, and do not have an existing contract with a provisional rate.

Certification of Contract Costs:

I, the undersigned, certify that I have reviewed the proposal for the above contract and to the best of my knowledge and belief:

1. All costs included in this proposal are allowable in accordance with the Safe Harbor Rate requirements and cost principles of the FAR of 48 CFR Part 31.
2. This proposal does not include any costs which are expressly unallowable with the Safe Harbor Rate requirements and cost principles of the FAR of 48 CFR Part 31.
3. All direct costs (direct labor/billing rates and other direct costs) included in this proposal are reasonable, allowable, and allocable to the contract in accordance with the Safe Harbor Rate requirements and cost principles of the FAR of 48 CFR Part 31.

All costs must be applied consistently and fairly to all contracts. All documentation of compliance must be retained in the project files for 3 years after final voucher of federal reimbursement.

Certification of Financial Management System:

I, the undersigned, certify that our financial management system **in place for this contract and moving forward** meets the standards for the Safe Harbor Rate requirements and financial reporting, accounting records, internal and budget control as set forth in the FAR of Title 49,

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CFR, Part 18.20. These standards require consulting firms have an accounting system adequate to accumulate, and track allowable, allocable, and reasonable direct labor and other direct costs by contract; segregate indirect costs, and remove unallowable costs.

* Consultant Certification Signature: _____

Consultant Certifying (Print): MTGL, Inc.

Name: Michael J. Landon Title: President

Consultant Contact Information:

Email: mlandon@mtglinc.com Phone: (714) 632-2999

Date of Certification: 2/21/15

*An executive or financial officer of the contractor's organization who has authority to represent the financial information utilized to establish the proposal submitted in conjunction with the contract.

ALSO REQUIRED

Attach a copy of your completed:

Safe Harbor Rate Questionnaire for Evaluating Consultant's Financial Management System

- Distribution:
- 1) Original to Caltrans A&I
 - 2) DPAC Contract Files or Local Agency Files
 - 3) Department (Caltrans) Project Files (if applicable)

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Safe Harbor Rate Questionnaire for Evaluating Consultant's Financial Management System For Federal-Aid Highway Projects

Consultant Name: MTGL, Inc.
Headquarter Address: 2992 E. La Palma Ave., Suite A, Anaheim CA 92806
Location of Accounting Records: 2992 E. La Palma Ave., Suite A, Anaheim CA 92806
Company contact for accounting system questions :
Name: Mary McDow
Title: Project Accounting
Phone Number: (714) 632-2999
Email Address: mmcdow@mtglinc.com
Mailing Address: 2992 E. La Palma Ave., Suite A, Anaheim CA 92806

Purpose:

This questionnaire is a tool for the Department of Transportation (Caltrans) to evaluate the adequacy of the Consultant's financial management system to accumulate and track direct labor and other direct costs by contract, segregate indirect costs, and remove unallowable costs.

Instructions:

1. This questionnaire should be completed by personnel (e.g. accounting staff) with working knowledge of the Consultant (Company)'s financial management system.
2. Answer all questions and provide an explanation and additional supporting documentation where requested.
3. For "No" responses, provide an explanation.
4. If additional space is required, please attach a separate sheet and refer to items being answered by number.

IMPORTANT!!!

**FAILURE TO PROPERLY COMPLETE THIS DOCUMENT MAY RESULT IN A DENIAL
ON THE USE OF THE SAFE HARBOR RATE AND INABILITY TO PARTICIPATE ON THIS AGREEMENT.**

Definition of terms:

Cost objective is an agreement/contract, function or organizational subdivision, or other work unit for which the costs of processes, products, jobs, or projects are accumulated and measured. An "intermediate cost objective" is a cost objective used to accumulate costs that are subsequently allocated to one or more indirect cost pools and/or final cost objectives.

Direct cost is any cost that is identified specifically with a particular cost objective. Direct costs are not limited to items that are incorporated in the end products as material or labor. Costs identified specifically with a contract are direct costs of that contract. All costs identified with other final cost objectives of the contractor are direct costs of those objective. (Federal Acquisition Regulations (FAR) 31.202)

Indirect or overhead cost is any cost that is not directly identified with a single final cost objective, but is identified with two or more final cost objectives or with at least one intermediate cost objective. (FAR 31.203)

Indirect cost pools are groupings of incurred costs identified with two or more cost objectives but not identified specifically with any final cost objectives. (FAR 31.001)

References: Title 49 Code of Federal Regulations (CFR) 18.20, Title 48 CFR 31, Title 48 CFR subpart 9900, and AASHTO Uniform Auditing & Accounting Guide (2012 Edition).



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1. What form of business entity is the Company?
 Sole Proprietorship Partnership C Corporation S Corporation
 Other _____

2. What types of services does the Company provide? (e.g. consultant-Architectural and Engineering Design, etc.)
 Geotechnical Engineering, Materials Testing and Special Inspection Services

3. Does the Company have prior government contracting experience? Yes No
 If so, how many years of experience with government contracts? ___ 16 years

4. What is the company's fiscal reporting period? (Start Date January 1 End Date December 31)
 Has the company used the same fiscal reporting period for the past two years? Yes No

5. What kind of accounting software does the Company use?
 Internally-developed system Commercial System: Name of vendor Quickbooks Enterprise
 Hybrid system: Please explain _____

6. What basis of accounting does the Company use to prepare general purpose financial statements?
 Cash Accrual Hybrid Please explain "Hybrid" _____
 If response above is not "Accrual", are year end accrual adjustments made for compliance with generally accepted accounting principles? Yes No
 If yes, please provide a listing of the accrual adjustments made.

7. Does the general ledger contain separate direct and indirect accounts for the following?

a. Direct Labor costs (billable and separate non-billable accounts)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
b. Non-labor costs (billable and separate non-billable accounts)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
c. Unallowable costs	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Note: This will support that all direct costs are accounted for and traceable from the job cost ledger to the general ledger.

If responses are "Yes" to items "a" through "c", please provide a copy of the Company's chart of accounts and identify account numbers/names (i.e. account series/grouping, categories) for the cost items listed below.

a. Direct Labor	Income, Consulting Income
b. Other Direct Cost (ODC)	Reimbursables - Inspector Vehicle
c. Indirect Labor	Officer Salary
d. Other Indirect Cost	Subcontractors, Field Supplies, Permit Fees
e. Unallowable Cost	Office Expenses

8. Do you have written policies on identification of direct and indirect costs (labor and non-labor)? Yes No
 If "Yes", please provide copies.

9. Does the Company have a system in place to identify and remove from the indirect cost pools all unallowable costs, in accordance with 49 CFR Part 18.20, 48 CFR Part 31 and applicable Cost Accounting Standards?
 No. Please explain. _____
 Yes. If "yes", please provide written policies and procedures for identifying and removing unallowable costs from the indirect cost pool, and answer a and b below:
 - a. How are appropriate personnel trained to distinguish between allowable and unallowable costs?

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Trained based on the Accounting Manual

b. When does the primary review for allowability occur at time the transaction is recorded or later?
At the time the transaction is recorded

10. Are contracts/projects assigned a unique identification/project number in your accounting system? Yes No

If "Yes", please provide a complete list of current active contracts/projects with their respective identification number.

11. Do the Company's timesheets include reporting codes for both direct and indirect hours? Yes No

If "Yes", do all employees, including managers and principals, record direct and indirect hours on their timesheets?

Yes No

If "No", then please explain the method used to segregate direct and indirect labor hours.

12. Does the Company record all hours worked by all employees, including managers and principals, regardless of whether the employees are exempt from overtime pay or whether all direct labor hours are billed to specific contracts/projects?

No. If "No", please explain. _____

Yes. If "Yes", which of the following methods does the Company use to account for uncompensated overtime-the hours worked without additional compensation in excess of an average of 40 hours per week by direct-charge employee who are exempt from the Fair Labor Standards Act?

Effective Rate Method. Please explain: _____

Salary Variance Method. Please explain. (e.g., What was the total dollar amount of the salary/payroll variance for the year?): \$ _____

Other. Please explain: _ There is no uncompensated overtime

13. Is indirect and direct labor separated by contract/project/cost objectives on employee timesheets? Yes No

If "Yes", please provide a copy of an approved timesheet that shows indirect and direct labor separated by contract/project/cost objectives.

14. How does the Company segregate work performed under a basic agreement/contract from work performed for contract changes/modifications?

By separate job cost codes

15. Besides labor, what other costs does the Company normally bill/invoice as direct contract/project costs?

None

Does your response include a complete list of all items you intend to bill/invoice for? Yes No

If "No", please provide a listing of all those ODC items to be charged to the contract/project.

16. Is your financial management capable of accumulating and summarizing costs including direct and indirect (including labor), unallowable, and ODCs by contract/project?

Yes No

If "Yes", please provide a sample report from a currently active contract/project showing the accumulation and summarization of direct labor and ODCs by contract/project, if applicable.

17. Do you have the ability to accumulate and summarize all contract/project costs even if they can not be billed directly? (i.e. non-reimbursable project costs) Yes No

18. Describe the accounting treatment for direct costs not billable to clients. (Where/how are these costs recorded?)



CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Direct Costs are entered into the billing system as "unbillable"

19. Does the Company reconcile the financial accounting system to the job-cost system?
 N/A (no job-cost ledger used)
 No. Please explain. _____
 Yes. If "Yes", how often? (Check all that applies.) Monthly Quarterly Semiannually Annually
20. As an attachment please describe (narrative or flow chart) your process for approving, recording, and invoicing contract/project costs that meet applicable federal and State rules and regulations.

I certify that to the best of my knowledge and belief the responses to this questionnaire are accurate.

Steven Koch

Print Name

Signature

Senior Vice President

Title

1/16/2015

Date Completed

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15



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



October 16, 2012

CUCP #33843
Metro File # 1199

Marianne Sierra
MTGL Inc.
2992 E. La Palma Ave. Suite A
Anaheim, CA 92806

RE: Disadvantaged Business Enterprise Certification

Dear Ms. Sierra:

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:

<u>NAICS (2007)</u>	<u>Description</u>	<u>Size Standard</u>
541380	Testing Laboratories	\$14 million
541620	Environmental Consulting Services	\$14 million

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 website at www.californiaucp.org. Any additions and revisions must be submitted to Metro for review and approval.

In order to assure continuing DBE status, you must submit annually a No Change Declaration form (which will be sent to you) 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 or unless it is removed by our agency.

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 Metro immediately.

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. I wish you every business success and 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,

Shirley Wong
Certification Representative
Diversity & Economic Opportunity Department

C:\Documents and Settings\garcisel\My Documents\00 - MTA Files\CERTIFICATION\Cert-Word\00 - Shirley Wong\M Firms\MTGL Inc. DBE.doc

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Small Business Certification Unit
One Gateway Plaza, Mail Stop 99-8-4, Los Angeles, CA 90012-2952
Ph: 213-922-2600 Fax: 213-922-7660



Harris & Associates.

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

LSA

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: LSA Associates, Inc.

Indirect Cost Rate: 186.09% * for fiscal period 06/01/2013 to 05/31/2014 (mm/dd/yyyy to mm/dd/yyyy)

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

Local Government: City of Manhattan Beach

Contract Number: 1027-15

Project Number: n/a

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 \$27,185,628.03 and the number of states in which the firm does business is 5.

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

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): \$ n/a

Prime Consultants (if applicable)

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

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

_____	\$	_____
_____	\$	_____
_____	\$	_____
_____	\$	_____
_____	\$	_____

Consultant Certifying (Print Name and Title):

Name:

Firoz Jamal

Title:

Chief Financial Officer

Consultant Certification Signature **: _____

Date of Certification (mm/dd/yyyy): 2-24-2015

Consultant Contact Information:

Email: Firoz.Jamal@lsa-assoc.com



CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Phone number: 949-553-0666

**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

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Tatsumi

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: Tatsumi and Partners, Inc.

Indirect Cost Rate: 160% * for fiscal period 01/01/15 – 12/31/15 (mm/dd/yyyy to mm/dd/yyyy)

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

Local Government: City of Manhattan Beach

Contract Number: 1027-15

Project Number: n/a

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 \$ 3,031,000 and the number of states in which the firm does business is 1.

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

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): \$ n/a

Prime Consultants (if applicable)

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

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

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

Consultant Certifying (Print Name and Title):

Name:

David Tatsumi, RLA, ASLA

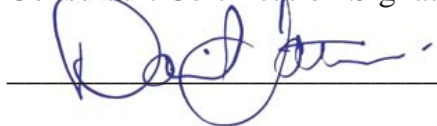
Title:

President

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Consultant Certification Signature **:



Date of Certification (mm/dd/yyyy): February 25, 2015

Consultant Contact Information:

Email: david@tatsumiandpartners.com

Phone number: 949-453-9901

**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

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15



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



June 1, 2012

CUCP #4570
Metro File # 476

David Tatsumi
Tatsumi & Partners, Inc.
49 Discovery #120
Irvine, CA 92618

RE: Disadvantaged Business Enterprise Certification

Dear Mr. Tatsumi:

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:

<u>NAICS (2007)</u>	<u>Description</u>	<u>Size Standard</u>
541320	Landscape Architectural Services	\$7 million
541340	Drafting Services	\$7 million
541620	Environmental Consulting Services	\$14 million

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 website at www.californiaucp.com. Any additions and revisions must be submitted to Metro for review and approval.

In order to assure continuing DBE status, you must submit annually a No Change Declaration form (which will be sent to you) 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 or unless it is removed by our agency.

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/mailling address, ownership, management or control, or failure to meet the applicable business size standards or personal net worth standard, please notify Metro immediately.

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. I wish you every business success and 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,

Shirley Wong
Certification Representative
Diversity & Economic Opportunity Department

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Small Business Certification Unit
One Gateway Plaza, Mail Stop 99-8-4, Los Angeles, CA 90012-2952
Ph: 213-922-2600 Fax: 213-922-7660



CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

C-Below

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: C Below, Inc.

Indirect Cost Rate: 148.51 * for fiscal period 01/01/13 – 12/31/13

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

Local Government: City of Manhattan Beach

Contract Number: 1027-15

Project Number: n/a

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 \$ 250,000 and the number of states in which the firm does business is 1.

CITY OF MANHATTAN BEACH

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): \$ n/a

Prime Consultants (if applicable)

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

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

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

Consultant Certifying (Print Name and Title):


Name: Michele Shams

Title: Controller

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Consultant Certification Signature **:

 _____

Date of Certification (mm/dd/yyyy): 02/23/2015

Consultant Contact Information:

Email: micheles@below.com

Phone number: 909-606-6111 Ext 801

**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

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

KDMM

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: KDM MERIDIAN

Indirect Cost Rate: 181% * for fiscal period 01/01/15 – 12/31/15 (mm/dd/yyyy to mm/dd/yyyy)

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

Local Government: City of Manhattan Beach

Contract Number: 1027-15

Project Number: n/a

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 \$ 950,000.00 and the number of states in

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

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): \$ n/a

Prime Consultants (if applicable)

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

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

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

Consultant Certifying (Print Name and Title):

Name:

_____ Richard C. Maher _____

Title:

_____ President _____

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Consultant Certification Signature **:



Date of Certification (mm/dd/yyyy): 02/24/2015

Consultant Contact Information:

Email: accounting@kdmmeridian.com

Phone number: (949) 768-0731

**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



CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

AGA

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: Albert Grover & Associates

Indirect Cost Rate: 219.68% * for fiscal period 01/01/14 – 12/31/14 (mm/dd/yyyy to mm/dd/yyyy)

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

Local Government: City of Manhattan Beach

Contract Number: 1027-15

Project Number: n/a

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 \$7,325,000 and the number of states in which the firm does business is 1.

CITY OF MANHATTAN BEACH

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): \$ n/a

Prime Consultants (if applicable)

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

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

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

Consultant Certifying (Print Name and Title):

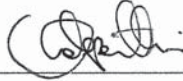
Name:
Chalap Sadam

Title:
Vice President

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Consultant Certification Signature **:



Date of Certification (mm/dd/yyyy): 02/23/2015

Consultant Contact Information:

Email: chad@albertgrover.com

Phone number: (714-992-2990)

**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

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

CWE

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: CWE

Indirect Cost Rate: 1.46 * for fiscal period 01/01/15 – 12/31/15 (mm/dd/yyyy to mm/dd/yyyy)

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

Local Government: City of Manhattan Beach

Contract Number: 1027-15

Project Number: n/a

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 \$ 0.00 and the number of states in which the firm does business is two (2).

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

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): \$ n/a

Prime Consultants (if applicable)

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

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

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

Consultant Certifying (Print Name and Title):

Name:

Vik Bapna

Title:

Principal

CITY OF MANHATTAN BEACH

ON-CALL PROFESSIONAL DESIGN SERVICES IN THE CITY OF MANHATTAN BEACH, CALIFORNIA - RFP NO. 1027-15

Consultant Certification Signature **:

VBapna

Date of Certification (mm/dd/yyyy): 02/24/2015

Consultant Contact Information:

Email: vbapna@cwecorp.com

Phone number: (714) 526-7500 Ext. 212

**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.*

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CALIFORNIA UNIFIED CERTIFICATION PROGRAM DISADVANTAGED BUSINESS ENTERPRISE CERTIFICATE

CALIFORNIA WATERSHED ENGINEERING CORP.

2100 E. HOWELL AVE., SUITE 209
ANAHEIM, CA 92806

Owner: VIKRAM BAFNA

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

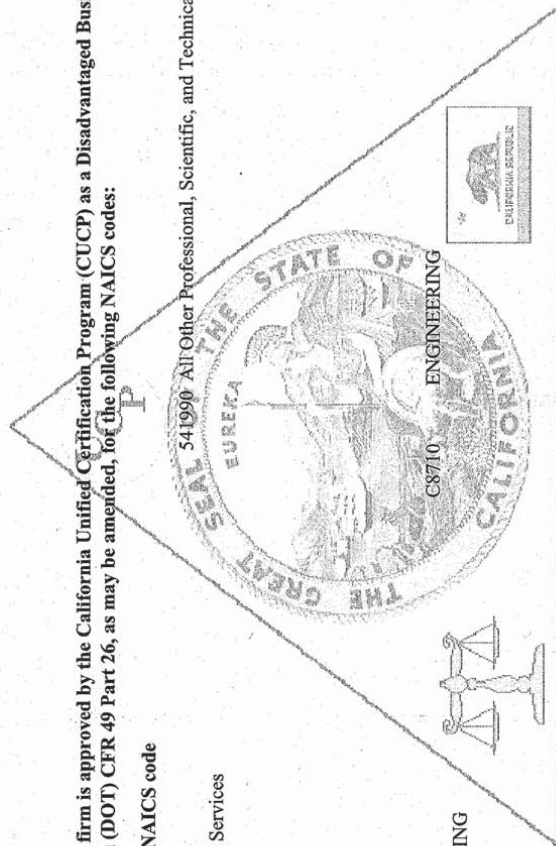
- * 541330 Engineering Services
- 541620 Environmental Consulting Services

Work Category Code(s)

- C8700 CONSULTANT
- C8720 CIVIL ENGINEERING

Licenses

EC Civil Engineer



UNIFIED CERTIFICATION PROGRAM

CERTIFYING AGENCY:

CITY OF LOS ANGELES
1149 SOUTH BROADWAY STREET
LOS ANGELES, CA 90015 0000
(213) 847-1922

UCP Firm Number: 35966

Kim Fitzgerald
CUCP OFFICER

May 26, 2009

SECTION 8. GOOD FAITH EFFORT

Documentation of our Good Faith Effort is found on the following pages.