

**City of Garden Grove**

**INTER-DEPARTMENT MEMORANDUM**

To:	Matthew J. Fertal	From:	William E. Murray
Dept:	City Manager	Dept:	Public Works
Subject:	AWARD CONTRACT TO KOA CORPORATION, INC.FOR ON-CALL PROFESSIONAL ENGINEERING STAFF SERVICES	Date:	August 28, 2012

OBJECTIVE

To request City Council authorization to award a contract to KOA Corporation for on-call professional engineering staff services.

BACKGROUND

Engineering Services-Capital Projects is responsible for a \$15-million Capital Improvement Program for Fiscal Year 2012-13. Capital Projects staff performs many duties that are not common to their peers at other cities. In addition to engineering design services typically performed in other cities' engineering divisions, Garden Grove Capital Projects staff also applies for and administers grants coming from the Orange County Transportation Authority (OCTA), Caltrans, and an assortment of federal government agencies. Additionally, staff also manages and administers construction contracts where most agencies have a separate Construction Administration Division.

OCTA's Measure M2 (M2), the main revenue source for capital projects, has a three-year expenditure deadline. Projects need to be completed in an expeditious manner; otherwise M2 revenues risk being reverted back to OCTA. Federal and state grants also have strict timelines. Lack of compliance with any deadline jeopardizes the grant award and future funding eligibility for the City. Additionally, the Federal government recently enacted MAP-21 – a reauthorization of federal transportation programs, which will expand funding sources for states and localities that are able to produce "shovel-ready" projects. Given the challenges of performing all these tasks within strict timelines, staff is currently unable to keep up with the aggressive schedules. The temporary addition of a staff engineer will provide the necessary staffing level to support the increased workload demand. Worthy projects that would otherwise be turned down could now be accomplished.

DISCUSSION

Staff solicited four requests for proposal to consultant engineering firms for on-call professional engineering staff services and received responses from all four. One firm was disqualified because their proposed scope of work was not consistent with the request for proposal.

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ENGINEERING STAFF SERVICES

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Of the remaining three firms, each submitted two candidates for interview. Staff carefully evaluated each of the proposals, interviewed each of the candidates and determined that KOA Corporation is best suited and able to provide on-call construction inspection services.

FINANCIAL IMPACT

There is no impact to the General Fund. The contract is in the amount not to exceed \$300,000. The services will be funded by the various projects requiring engineering staff services.

RECOMMENDATION

Staff recommends that the City Council:

- Award the contract for professional construction inspection services to KOA Corporation, in the amount not to exceed \$300,000, for a term of three years; and
- Authorize the City Manager to execute the agreement on behalf of the City and to make minor modifications as appropriate.



William E. Murray, P.E.  
Public Works Director/City Engineer



By: Mark Uphus  
Senior Civil Engineer

Attachment: Consultant Agreement

**Recommended for Approval**



**Matthew Fertal**  
City Manager

## CONSULTANT AGREEMENT

### **CBM CONSULTING INC. a wholly owned subsidiary of KOA Corporation**

THIS AGREEMENT is made this 28th day of August 2012, by the CITY OF GARDEN GROVE, a municipal corporation, ("CITY"), and CBM CONSULTING INC. a wholly owned subsidiary of KOA Corporation, a California Corporation ("CONSULTANT").

### **RECITALS**

The following recitals are a substantive part of this Agreement:

1. This Agreement is entered into pursuant to Garden Grove Council authorization dated August 28, 2012.
2. CITY desires to utilize the services of CONSULTANT to provide On-Call Engineering Staff Services.
3. CONSULTANT is qualified by virtue of experience, training, education and expertise to accomplish services.

### **AGREEMENT**

THE PARTIES MUTUALLY AGREE AS FOLLOWS:

1. **Term of Agreement:** This Agreement shall cover services rendered from the date of this agreement until (3) three years thereafter unless otherwise terminated.
2. **Services to be Provided:** The services to be preformed by CONSULTANT shall consist of the services as further specified in CONSULTANT'S proposal attached hereto and incorporated herein by reference. CONSULTANT agrees that its provision of Services under this agreement shall be in accordance with customary and usual practices in CONSULTANT'S profession. By executing this Agreement, CONSULTANT warrants that it has carefully considered how the work should be performed and fully understands the facilities, difficulties, and restrictions attending performance of the work under this agreement.
3. **Compensation.** CONSULTANT shall be compensated as follows:
  - 3.1 **Amount.** CONSULTANT shall be compensated in accordance with the rate schedule set forth in Exhibit "A".
  - 3.2 **Not to Exceed.** The Parties agree that CONSULTANT shall bill for the Services provided by CONSULTANT to City on an hourly basis, except where otherwise set forth herein, provided compensation under this Proposal shall not exceed \$300,000. CONSULTANT warrants that all services will be performed in a competent, professional and satisfactory manner in accordance with the standards prevalent in the industry for such services. CONSULTANT shall not be compensated for any services rendered in connection with its performance of this

Agreement, which are in addition to those set forth herein, unless such additional services are authorized in advance and in writing by the City Manager. The Proposal and this Agreement do not guarantee any specific amount of work.

- 3.3 Payment. For work under this Agreement, payment shall be made per monthly invoice. For extra work not a part of this Agreement, a written authorization by CITY will be required and payment shall be based on hourly rates as provided in Exhibit "A".
- 3.4 Records of Expenses. CONSULTANT shall keep complete and accurate records of payroll costs, travel and incidental expenses. These records will be made available at reasonable times to CITY.
- 3.5 Termination. CITY and CONSULTANT shall have the right to terminate this Agreement, without cause, by giving thirty (30) days written notice of termination. If the project is terminated by CITY, then the provisions of paragraph 3 would apply to that portion of the work completed.

#### 4. **Insurance Requirements**

- 4.1 Commencement of Work CONSULTANT shall not commence work under this Agreement until all certificates and endorsements have been received and approved by the CITY. All insurance required by this Agreement shall contain a Statement of Obligation on the part of the carrier to notify the CITY of any material change, cancellation, or termination at least thirty (30) days in advance.
- 4.2 Workers Compensation Insurance For the duration of this Agreement, CONSULTANT and all subcontractors shall maintain Workers Compensation Insurance in the amount and type required by law, if applicable. The insurer shall waive its rights of subrogation against the CITY, its officers, officials, agents, employees, and volunteers.
- 4.3 Insurance Amounts CONSULTANT shall maintain the following insurance for the duration of this Agreement:
  - (a) Commercial general liability in the amount of \$1,000,000 per occurrence; (claims made and modified occurrence policies are not acceptable); Insurance companies must be admitted and licensed in California and have a Best's Guide Rating of A-Class VII or better, as approved by the CITY;
  - (b) Automobile liability in the amount of \$1,000,000 per occurrence; (claims made and modified occurrence policies are not acceptable) Insurance companies must be admitted and licensed in California and have a Best's Guide Rating of A-Class VII or better, as approved by the CITY.

- (c) Professional liability in the amount of \$1,000,000 per occurrence; Insurance companies must be acceptable to CITY and have an AM Best's Guide Rating of A-, Class VII or better, as approved by the CITY. If the policy is written on a "claims made" basis, the policy shall be continued in full force and effect at all times during the term of the agreement, and for a period of three (3) years from the date of the completion of services provided. In the event of termination, cancellation, or material change in the policy, professional/consultant shall obtain continuing insurance coverage for the prior acts or omissions of professional/consultant during the course of performing services under the term of the agreement. The coverage shall be evidenced by either a new policy evidencing no gap in coverage, or by obtaining separate extended "tail" coverage with the present or new carrier.

An Additional Insured Endorsement, **ongoing and completed operations**, for the policy under section 4.3 (a) shall designate CITY, its officers, officials, employees, agents, and volunteers as additional insureds for liability arising out of work or operations performed by or on behalf of the CONSULTANT. CONSULTANT shall provide to CITY proof of insurance and endorsement forms that conform to city's requirements, as approved by the CITY.

An Additional Insured Endorsement for the policy under section 4.3 (b) shall designate CITY, its officers, officials, employees, agents, and volunteers as additional insureds for automobiles owned, lease, hired, or borrowed by CONSULTANT. CONSULTANT shall provide to CITY proof of insurance and endorsement forms that conform to CITY's requirements, as approved by the CITY.

For any claims related to this Agreement, CONSULTANT's insurance coverage shall be primary insurance as respects to CITY, its officers, officials, employees, agents, and volunteers. Any insurance or self-insurance maintained by the CITY, its officers, officials, employees, agents, or volunteers shall be excess of the CONSULTANT's insurance and shall not contribute with it.

5. **Non-Liability of Officials and Employees of the CITY.** No official or employee of CITY shall be personally liable to CONSULTANT in the event of any default or breach by CITY, or for any amount, which may become due to CONSULTANT.
6. **Non-Discrimination.** CONSULTANT covenants there shall be no discrimination against any person or group due to race, color, creed, religion,

sex, marital status, age, handicap, national origin or ancestry, in any activity pursuant to this Agreement.

7. **Independent Contractor.** It is agreed to that CONSULTANT shall act and be an independent contractor and not an agent or employee of CITY, and shall obtain no rights to any benefits which accrue to CITY'S employees.
8. **Compliance With Law.** CONSULTANT shall comply with all applicable laws, ordinances, codes and regulations of the federal, state and local government.
9. **Disclosure of Documents.** All documents or other information developed or received by CONSULTANT are confidential and shall not be disclosed without authorization by CITY, unless disclosure is required by law.
10. **Ownership of Work Product.** All documents or other information developed or received by CONSULTANT shall be the property of CITY. CONSULTANT shall provide CITY with copies of these items upon demand or upon termination of this Agreement.
11. **Conflict of Interest and Reporting.** CONSULTANT shall at all times avoid conflict of interest or appearance of conflict of interest in performance of this Agreement.
12. **Notices.** All notices shall be personally delivered or mailed to the below listed addresses, or to such other addresses as may be designated by written notice. These addresses shall be used for delivery of service of process.

(a) Address of CONSULTANT is as follows:

KOA Corporation/CBM Consulting  
1411 W. 190th Street, Suite 525  
Gardena, CA 90248

(b) Address of CITY is as follows (with a copy to):

Engineering:	City Attorney
Mark Uphus	City of Garden Grove
City of Garden Grove	P.O. Box 3070
P.O. Box 3070	Garden Grove, CA 92840
Garden Grove, CA 92840	

13. **CONSULTANT'S Proposal.** This Agreement shall include CONSULTANT'S proposal or bid which shall be incorporated herein. In the event of any inconsistency between the terms of the proposal and this Agreement, this Agreement shall govern.

14. **Licenses, Permits and Fees.** At its sole expense, CONSULTANT shall obtain a **Garden Grove Business License** and all permits and licenses as may be required by this Agreement.
15. **Familiarity With Work.** By executing this Agreement, CONSULTANT warrants that: (1) it has investigated the work to be performed; (2) it has investigated the site of the work and is aware of all conditions there; and (3) it understands the facilities, difficulties and restrictions of the work under this Agreement. Should CONSULTANT discover any latent or unknown conditions materially differing from those inherent in the work or as represented by CITY, it shall immediately inform CITY of this and shall not proceed, except at CONSULTANT'S risk, until written instructions are received from CITY.
16. **Time of Essence.** Time is of the essence in the performance of this Agreement.
17. **Limitations Upon Subcontracting and Assignment.** The experience, knowledge, capability and reputation of CONSULTANT, its principals and employees were a substantial inducement for CITY to enter into this Agreement. CONSULTANT shall not contract with any other entity to perform the services required without written approval of the CITY. This Agreement may not be assigned voluntarily or by operation of law, without the prior written approval of CITY. If CONSULTANT is permitted to subcontract any part of this Agreement, CONSULTANT shall be responsible to CITY for the acts and omissions of its subcontractor as it is for persons directly employed. Nothing contained in this Agreement shall create any contractual relationship between any subcontractor and CITY. All persons engaged in the work will be considered employees of CONSULTANT. CITY will deal directly with and will make all payments to CONSULTANT.
18. **Authority to Execute.** The persons executing this Agreement on behalf of the parties warrant that they are duly authorized to execute this Agreement and that by executing this Agreement, the parties are formally bound.
19. **Indemnification.** To the fullest extent permitted by law, CONSULTANT agrees to protect, defend, and hold harmless CITY and its elective or appointive boards, officers, agents, and employees from any and all claims, liabilities, expenses, or damages of any nature, including attorneys' fees, for injury or death of any person, or damages of any nature, including interference with use of property, arising out of, or in any way connected with the negligence, recklessness and/or intentional wrongful conduct of CONSULTANT, CONSULTANT'S agents, officers, employees, subcontractors, or independent contractors hired by CONSULTANT in the performance of the Agreement. The only exception to CONSULTANT'S responsibility to protect, defend, and hold harmless CITY, is due to the negligence, recklessness and/or wrongful conduct of CITY, or any of its elective or appointive boards, officers, agents, or employees.

This hold harmless agreement shall apply to all liability regardless of whether any insurance policies are applicable. The policy limits do not act as a limitation upon the amount of indemnification to be provided by CONSULTANT.

20. **Modification.** This Agreement constitutes the entire agreement between the parties and supersedes any previous agreements, oral or written. This Agreement may be modified only by subsequent mutual written agreement executed by CITY and CONSULTANT.
21. **Waiver.** All waivers of the provisions of this Agreement must be in writing by the appropriate authorities of the CITY and CONSULTANT.
22. **California Law.** This Agreement shall be construed in accordance with the laws of the State of California. Any action commenced about this Agreement shall be filed in the central branch of the Orange County Superior Court.
23. **Interpretation.** This Agreement shall be interpreted as though prepared by both parties
24. **Preservation of Agreement.** Should any provision of this Agreement be found invalid or unenforceable, the decision shall affect only the provision interpreted, and all remaining provisions shall remain enforceable.

*[SIGNATURES ON FOLLOWING PAGE]*



**IN WITNESS THEREOF**, these parties hereto have caused this Agreement to be executed as of the date set forth opposite the respective signatures.

**"CITY"  
CITY OF GARDEN GROVE**


Dated: \_\_\_\_\_, 2012

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

**ATTEST**

**"CONSULTANT"**

\_\_\_\_\_  
City Clerk

By:  C. STEPHAN  
Title: Vice President

Dated: \_\_\_\_\_, 2012

Dated: 8/3, 2012

**APPROVED AS TO FORM:**

If CONSULTANT/CONTRACTOR is a corporation, a Corporate Resolution and/or Corporate Seal is required. If a partnership, Statement of Partnership must be submitted to CITY

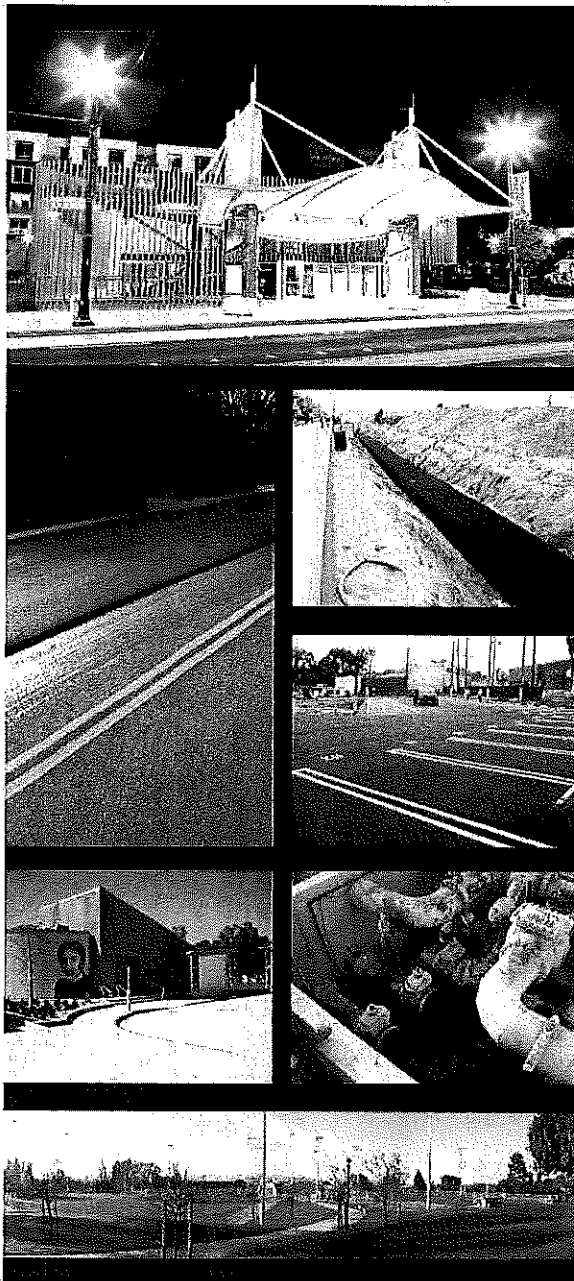
  
\_\_\_\_\_  
Garden Grove City Attorney

Dated: 7/31/12, 2012

CITY OF GARDEN GROVE

*Proposal for*

Engineering Staff Services



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## 2. Company Ownership Description

### **CBM Consulting, Inc.**

1411 W 190<sup>th</sup> Street  
Suite 525  
Gardena, CA 90248

Tel: 310.329.0102  
Fax: 310.329.1021

### **CORPORATE OFFICE**

**KOA Corporation**  
1055 Corporate Center Dr  
Suite 300  
Monterey Park, CA 91754

Tel: 323.260.4703  
Fax: 323.260.4705

[www.koacorporation.com](http://www.koacorporation.com)



Over 20 Years in Business

A California Corporation since  
1995

Six Offices in California:

Monterey Park  
Gardena  
West Los Angeles  
Orange  
Ontario  
San Diego

CBM Consulting ("CBM") is a multi-disciplined engineering consulting firm that has been providing Civil Engineering Design, Project Management, Construction Management and Observation, Grant Application Processing and NPDES Program Implementation services to private, commercial, industrial and municipal clients collaboratively for twenty years. Our extraordinary team combines a passion for design and management with a commitment to successful project delivery.

CBM was recently acquired by KOA Corporation. Founded in 1987, KOA Corporation ("KOA") is one of the leading traffic engineering and transportation planning and design firms in California.

KOA has six offices and over 80 employees to serve our California clients. KOA is a California Corporation, a regional firm, based in and working primarily in California. The office assigned to this project will be our South Bay office located at 1411 W. 190<sup>th</sup> St. Suite 525, Gardena, CA 90248.

Our professional planning and engineering staff members are available to provide the following services:

- Civil Engineering
- Project Management
- Construction Management & Observation
- Staff Assistance
- NPDES Program Implementation
- ADA Assessment & Improvements
- Plan Checking
- Transportation Planning / Analysis
- Highway & Infrastructure Design
- Traffic Signal / Lighting Design
- Storm Drainage & Design
- Intelligent Transportation Systems Design
- Signing and Striping Plans
- Transit / Rail Planning
- Circulation and Parking Studies
- Parking Design & Analysis
- Traffic & Parking Impact Studies
- Pedestrian & Bikeway Design

## FIRM PRINCIPALS

Jimmy Lin	President/CEO/Chairman
Walter Okitsu	Vice President
Arnold Torma	Vice President
Joel Falter	Secretary/COO
Doug Yeh	Vice President
Eugene Kao	Vice President
Mujib Ahmed	Vice President
Juan Gutierrez	Treasurer/CFO
Min Zhou	Vice President
Chuck Stephan	Vice President
Alan Braatvedt	Vice President
Derry Mac Mahon	Vice President
Kevin Klaus	Vice President

## FINANCIAL STATEMENT

CBM Consulting, Inc. has a strong financial history and a positive financial outlook. CBM has insurance coverage in the following areas: Professional Liability (\$2,000,000), Automobile Liability (\$1,000,000) and General Liability (\$5,000,000). Our Worker's Compensation coverage meets the insurance requirements of California State law. The firm is in excellent financial condition and has no bankruptcies, pending litigations, planned office closures, or pending mergers. Currently, we do not have any long term or short term debt with any financial institution.

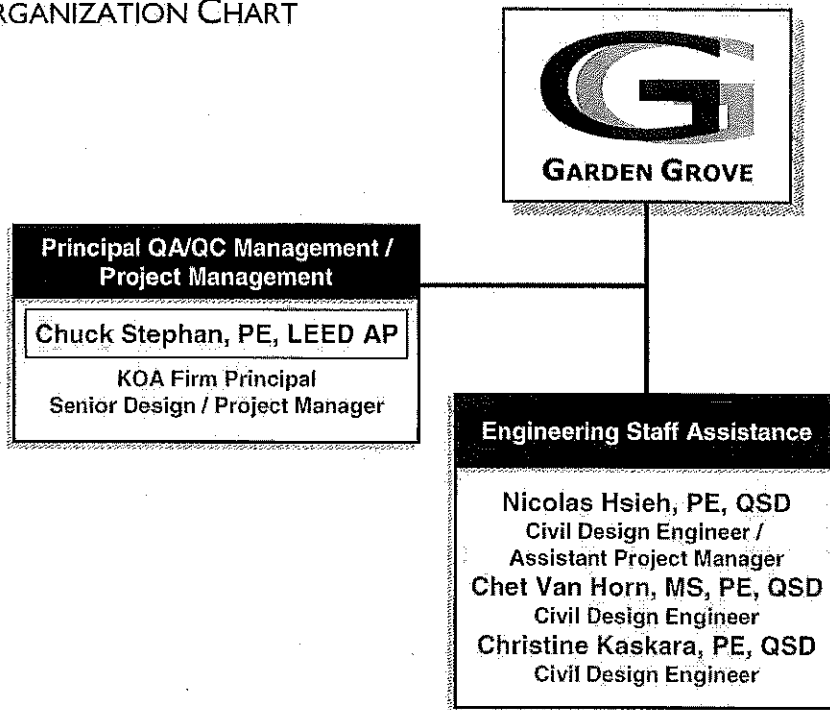
### 3. Engineers' Qualifications

#### WORK PLAN

Our assigned personnel are committed to assisting the City of Garden Grove. No substitution will occur without approval from the City. CBM will **inclusively** provide all services, unless otherwise requested. No on-going projects will come into conflict. Unless the City of Garden Grove is internally looking for work which overlaps to be completed, then our assigned staff will be supported by our project engineers provided herein.

Our personnel each possess unique experience to assist the City of Garden Grove. **Nicolas Hsieh**, experienced in civil design, project management, and observation and the "right-hand" of Chuck Stephan; **Chet Van Horn**, experienced as dedicated project engineer and specializing in hydrology; and **Christine Kaskara**, with a background in both civil and structural design. Their resumes and personal references provided herein.

#### ORGANIZATION CHART



#### PROJECT MANAGER

**Chuck Stephan, P.E.**, Civil Engineer (50481), Firm Principal, will provide **QA/QC Management** and coordination between the City of Garden Grove and CBM Consulting. Mr. Stephan currently provides Engineering Staff services to the City of La Habra, annually since 2005. Chuck Stephan has over thirty years of extensive experience in civil engineering design and project management on projects for many municipalities and private firms. He has diverse project experience in planning, design, management, and construction of transportation, educational, institutional, industrial, aerospace, municipal, residential and commercial projects. Mr. Stephan works in multiple capacities as Principal-In-Charge, project manager, project engineer, lead engineer, design engineer, and construction engineer in both the civil and construction management disciplines.

**NICOLAS HSIEH, P.E., QSD**  
**Design Engineer / Assistant Project Manager /**  
**Construction Observer**

**Professional Experience**

Mr. Hsieh's responsibilities and expertise include the preparation of plans, specifications, and estimates (PS&E), construction management, construction observation, grant applications, and consultant management for public works projects. His experience encompasses site plans, street design, storm drain design, base maps and construction inspection. Mr. Hsieh received his PE in 2010; QSD certified in 2011; and completed a Pavement Preservation Treatment Construction training program from Caltrans National Highway Institute. He is familiar with agency guidelines for Caltrans, APWA, and the Los Angeles County Department of Public Works (LACDPW).

**Project Experience**

**Streets**

**Residential & Arterial Overlay 2011 Design, Thousand Oaks, CA:** Design Engineer. Prepared Plans, Specifications and Estimate for the City's 3 year Pavement Rehabilitation Project. Work included field review, documentation, and photographing of all street sections and repair locations; determination of rehabilitation strategies; preparation of plans, specifications, and estimate for bid; and bid support. The project included 50,000 tons of asphalt pavement reconstruction and Asphalt Rubber Hot Mix overlay on 30 miles of local, collector, and arterial streets. All work was completed in a compressed time schedule of 4 weeks. Construction Cost \$7,000,000.

**Sun Valley EDA Public Improvement Project, Los Angeles, CA:** Design Engineer. Engineering design services to develop Plans, Specifications, and Estimate (PS&E) for the repair and rehabilitation of 2 major arterial highways and 5 major intersections in the City of Los Angeles. Work included removal and replacement of failed AC and PCC pavement sections; reconstruction of driveways and curb access ramps to meet ADA requirements; milling and overlay of PCC and AC pavement; and complete reconstruction of intersections with cross gutters, grading, and paving. Construction Cost \$3,000,000.

**Arterial Roads Rehabilitation Project Fiscal Year 2010-2011, Rancho Palos Verdes, CA:** Design Engineer. Prepared Plans, Specifications and Estimate for the rehabilitation of Palos Verdes (PV) Drive South in the City of Rancho Palos Verdes. PV Drive South is a challenging arterial highway winding along the bluffs of the Palos Verdes peninsula overlooking the Pacific Ocean. The street varies from a fully developed 4 lane divided highway with bicycle path, to a 2 lane highway over unstable creeping

**Education**

B.S. Loyola Marymount University,  
Electrical Engineering (2006)

**Year Entered Profession**

2006

**Year Started with Firm**

2006

**Registrations**

P.E. CA #76809 (2010)

**Certifications**

Qualified SWPPP Developer (QSD) /  
Qualified SWPPP Practitioner (QSP)  
#01323

24 hour SWPPP Training  
AutoCAD 2007, Westech College  
Pavement Preservation Treatment  
Construction, Caltrans National  
Highway Institute.  
Caltrans Local Assistance Resident  
Engineers Academy (2009)  
National Association of Sewer Service  
Companies (NASSCO) Inspector  
Training and Certification Program for  
the Inspection of Cured-In-Place-Pipe  
(CIPP) Installation

**Professional Affiliations**

American Public Works Association

subgrade soils. Rehabilitation strategies included selective removal and replacement (R&R) areas, asphalt rubber hot mix (ARHM) and conventional asphalt overlays, and microsurface application. Work included the relocation and improvement of bus pads and shelters, retaining walls, PCC repairs, striping and markings. A comprehensive traffic sign field review and replacement plan was prepared to bring all traffic signs into uniformity and conformance with MUTCD requirements. Construction Cost \$2,000,000.

**Sepulveda Boulevard Pedestrian Improvements, Culver City, CA:** Design Engineer. Prepared the Plans, Specifications, and Estimate (PS&E) for the enhancement of a ½ mile section of Sepulveda Blvd in a busy commercial area of Culver City. The project included the challenging installation of landscaped areas with trees, plants, benches, curb access ramps, and driveway and sidewalk replacements in a fully developed area with outdoor dining and retail shops. Construction Cost \$350,000.

**Pavement Rehabilitation Projects, Hermosa Beach, CA:** Construction Observer. Observed and assisted the City of Hermosa Beach in field inspection during pavement rehabilitation construction. Project included sidewalk repairs, ADA curb access ramps, storm drain repairs, curb & gutter replacement, grinding, asphalt pavement, and striping. This was a federal-aid project, including employee interviews and prevailing wage rate reviews.

**Residential Overlay & Slurry Seal 2007, Rancho Palos Verdes, CA:** Assistant Construction Manager / Construction Observer. Responsible for contractor coordination, documentation, photography and controls including preliminary notices, invoicing, submittals, certified payrolls, releases, etc. Also conducted and documented regular meetings and dealt with the numerous public relations issues. Supervised traffic control. Closed out the project and filed the Notice of Completion.

**Street Rehabilitation 07/08, La Habra, CA:** Assistant Design Engineer / Construction Observer. Measurements, plan view design on CAD, quantities, cross sections. CBM provided project management, design engineering, and construction management services to complete the annual street rehabilitation project.

**2007 ADA Curb Access Ramp Improvements, Torrance, CA:** Assistant Design Engineer / Construction Observer. CBM provided field inspection, measurements, photographs, and engineering to document and design ADA curb access ramp improvements at approximately 500 locations throughout the City. CBM provided bid ready plans, specifications, and estimate for the project. CBM also provided construction observation services upon commencement of construction.

**Washington Boulevard Realignment, Rush Pacifica, Inc., Culver City, CA:** Assistant Construction Manager. CAD – notes, cross sections, profile (existing and new), new elevation points, quantities, plan view design, printed out plan sheets, Worked on specs. Coordinate utility meetings.

**Eastside Industrial Project, CRA/LA, CA:** Assistant Design Engineer. This project provided plans, specifications, and estimate to construct sidewalk repairs, ADA improvements, drainage improvements, and pavement rehabilitation on 6 streets in an industrial area of Los Angeles. CBM coordinated work with City departments and agencies including LADOT, B Permits, CRALA, Engineering, and Construction.

**Pacoima/Panorama Street Improvements at Various Locations, Los Angeles, CA:** Assistant Design Engineer. Design, Construction Management and Observation services for the City's Annual Street Improvement Project included sidewalk improvements at various locations, street reconstruction and construction of gutters, curb, cross gutters and storm drains throughout the city.

**Patterson & 27th Street Improvement, Signal Hill, CA;** Assistant Project Manager. Provided CAD – profile, plan view design services. The project included the construction of a new AC paved street along Patterson St., between California Ave. and Olive St., including new curb & gutter, ADA ramps, driveways, asphalt curb, removal of redundant oil lines and coordination with local utility companies

**Lambert Road Rehab Phase 2, La Habra, CA:** Assistant Design Engineer. Provided design for the Lambert Rd Rehabilitation project, overall project management, construction management, and inspection services. Project included federal-aid STPL, and Safe Routes to School funding. Because Beach Blvd is a State highway, significant Caltrans coordination and inspection was involved.

**Cypress Street Sidewalk Improvements, La Habra, CA:** Assistant Design Engineer. Provided Design Services on this project which constructed sidewalk infill and curb access ramps on Cypress Street from Whittier Blvd to La Habra Blvd as part of a Safe Routes to School funded project. The project provided full ADA-compliant sidewalk improvements along Cypress Street, and removed impeding walls, fences, and landscaping, allowing children to walk to school off of the street.

**Walnut Street Sidewalk Improvements, La Habra, CA:** Assistant Design Engineer. Provided Design Services. CBM Consulting assisted the City in completing SR2S funding applications for sidewalk and ADA curb access ramp improvements on Walnut Street north of Whittier Blvd. Applications are pending.

#### **Parks**

**Portola Park Baseball Field Topo and Grade Staking, La Habra, CA:** Assistant Project Engineer / Construction Observer. Performed topographic survey of existing grades at Portola Park baseball field. The existing field surface was irregular, ponded water, and did not drain properly. CBM calculated new grades to fit existing conditions and provide for drainage. Set stakes in the field for the City's crews to perform grading work.

#### **Sewer & Storm Drains**

**Sewer and Storm Drain Cleaning & Video Inspection, Torrance, CA:** Construction Observer. CBM provided field observation of over 80 miles of various storm drains and sewer pipelines. The project included cleaning and daily recording of site activities.

**Storm Drain Rehabilitation 2007, Rancho Palos Verdes, CA:** Assistant Design Engineer. Surveyed site, prepared plans, took measurements.

**Sewer Improvements Citywide, Hermosa Beach, CA:** Construction Observer. CBM provided construction observation for the City's sanitary sewer improvement project. Included sewer rehabilitation, lining, replacement, and new construction in various locations throughout the City.



**Carson Street Sewer Replacement and Street Rehabilitation Project, Culver City, CA;** Assistant Design Engineer. Completed as part of CBM's on call Design Engineering contract with Culver City. The design included the replacement of a deteriorated VCP sewer line with a new PVC sewer line. It also included street rehabilitation plans as a separate plan set. The street rehabilitation included new curb, gutter, and sidewalk, as well as replacement and reprofiling of the asphalt in the road. The street is lined with mature ficus trees that have destroyed the majority of the existing concrete improvements and caused major challenges in the new grading plan.

### **Parking**

**Auto Center Sign, Buena Park, CA:** Design Engineer. Prepared Plans, Specifications and Estimate (PS&E) for the installation of a new LED advertisement sign at the Auto Center in the City of Buena Park along the I-5 freeway. The sign was installed in an existing parking lot at the Nissan auto dealer location. Work included numerous conceptual layouts and coordination between the City and property owner. The final design included the removal of existing landscaping and irrigation, relocation of lights and trees, and construction of curb, gutter, pavement, landscaping, irrigation, and electrical and telecommunications services to the new sign. Construction Cost \$250,000.

**A Frame Parking Lot, Culver City, CA:** Construction Manager. Work required the existing surface improvements on both lots to be demolished and removed before grading can take place. Elements included the installation of drainage improvements; curb and gutters; AC paving; striping and signage; area lighting; landscaping; construction of a trash enclosure; and installation of a pay-station. With many stakeholders in the immediate area, public relations were an important component of managing the project.

**Various Parking Lot Rehabilitation Projects, Buena Park, CA:** Assistant Design Engineer. Prepare plans, specifications, and estimate for construction of parking lots throughout Buena Park, including permeable asphalt pavement, landscaping, sound walls, gated entrance, and striping.

- Buena Park SCE ROW Parking Lot
- Buena Park Welcome Center PS&E

**Hermosa Beach CIP RFP Preparation, Hermosa Beach, CA:** Assistant Project Manager. Prepared Request for Proposals for the City of Hermosa Beach Capital Improvement Projects involving SR2S, street & pedestrian, and trash enclosure improvements.

**CHET VAN HORN, P.E., QSD**  
**Design Engineer / Assistant Project Manager**

**Professional Experience**

Mr. Van Horn has 7+ years of civil engineering experience specializing in water resources, public projects, bridge inspection, construction management, and contract administration. Experience on projects implemented via Design-Build and Design-Bid-Build methods include open channel drainage systems, water distribution systems, municipal water and wastewater treatment plants, storm drain pipeline systems, bridges, culverts, detention / retention basins, watershed hydrology, sediment transport and a variety of erosion control systems. He has worked on projects in the Counties of Orange, L.A., Ventura, Imperial, Riverside and San Bernardino and has also done extensive bridge work throughout the entire state of Missouri.

Mr. Van Horn was often the project engineer placed in charge of general project management and client/owner/agency relations and is known for his hard work, leadership, and commitment to get the job done on time and within budget. Mr. Van Horn has obtained floodplain mapping and levee recertification CLOMRs and LOMRs for FEMA, and obtained SWPPP and 404 permits prior to construction. His hydrologic modeling experience has used GIS software to utilize rational, unit-hydrograph and TR-55 methodology and extensive use of GIS extension, GeoHEC-RAS, for several bridge hydraulic models. He has reviewed and approved construction documents, shop drawings and technical specifications for a variety of projects relating to water distribution systems, water treatment plants, water storage tanks, booster pump stations, ground wells, culverts, and bridges.

**Project Experience**

**CM services for LA Third Track, Segment 7, Santa Fe Springs, CA:** Project Engineer. BNSF Railway Co. track capacity expansion for 3 mile segment of San Bernardino sub-division corridor through urban district with numerous underground and overhead utility crossings, at-grade road crossings, contaminated soil issues, and heavily regulated SWPPP concerns. Chet currently serves as construction manager and on-site QSD/P. Responsibilities include contract administration, conducting of daily construction meetings and safety briefings to comply with BNSF Railroad's rigorous safety protocol with all contracted labor crews and personnel, SWPPP monitoring and reporting, plan interpretation, utility relocation coordination, and general activity oversight.

**Education**

*M.S. Civil Engineering - Water Resources;  
California State University at Long  
Beach*

*B.S. Civil Engineering; California State  
University at Long Beach*

**Year Entered Profession**

2004

**Year Started with Firm**

2012

**Registrations**

P.E. CA # 74822

**Hydrology and Modeling**

*HEC-RAS, ArcGIS, GeoHEC-RAS, WSPG,  
AES (Hydrologic Model), WMS  
(Hydrologic Model), HEC-1, HEC-2,  
HEC-6, SAM (Sediment Analysis  
Model), HEC-HMS, LA STORM  
(Hydraulic Network Model), FLOW  
MASTER (Hydraulic Calculator), Basin  
Sizer (Det./Ret. Basin Model), B.A.S.  
(Basin Analysis Software).*

**Professional Affiliations**

*American Society of Civil Engineers  
(ASCE);*

*Chi Epsilon - Civil Engineering Honor  
Society, CSULB*

*Kappa Sigma Fraternity, Theta Beta  
Chapter, CSULB*

**Bridge Inspection for Quincy Railroad, Quincy, CA:** Construction Inspector. Inspected four (4) standard gauge steel truss and reinforced concrete bridges for Quincy short-line railroad servicing Sierra Pacific Lumber Mill in Quincy, CA. Responsible for development of field analysis and draft schematics, Chet also assisted in Load Rating analysis for all four bridges. Inspections were successful in finding three bridges to be satisfactory and one deficient in structural integrity. Improvements and retrofit analysis was submitted to Quincy RR for the deficient bridge and is currently under construction.

**Fire Code Compliance Study, Hobart Train Yard, City of Commerce, CA:** Design Engineer. Responsible for submittal of a base level assessment of overall fire protection and fire code compliance within the BNSF Intermodal Facility at Hobart Yard as it pertains to Title 32 of the Los Angeles County Fire Code (LACFC) and Title 24, Part 9 of the California Fire Code (CFC). Hobart Train yard is the largest intermodal facility in the world as measured by total freight volume passing through the facility. Fire code compliance was assessed by adequate provision of hydrants and sprinkler systems to accommodate fire access restrictions for all buildings and trafficked areas of within the yard. Chet submitted the report on time and with praise from BNSF representatives.

**Safe and Sound Bridge Project: 554 Bridge Replacement Project, Missouri:** Project Engineer. Missouri Department of Transportation (MoDOT). State-wide Design-Build project where 554 bridges were preliminarily scoped for replacement, hydraulically analyzed, structurally designed, and finally constructed. Mr. Van Horn carried out key office leadership role of general project management throughout the lifetime of the project via daily conference calls and communication with client (KTU Constructors), MoDOT officials, sub-consultants, and with team members spanning 5 LPA/Baker offices coordinating Roadway, Geotechnical, and Hydraulic data and deliverables.

Mr. Van Horn personally performed hydrologic and hydraulic analysis for more than 50 bridges and culverts using ArcGIS, HEC-RAS and NSS Hydrologic Modeling software. He was responsible for reporting a pre- and post-construction hydraulic and scour analysis based on the prospective bridge design before final construction documents could be approved. ArcGIS software coupled with HEC-GeoRAS extension were used to delineate watersheds, define flowpaths, estimate flowrates, and cut cross-sections for input into HEC-RAS open channel flow model.

Mr. Van Horn also assisted in the structural design for over 110 bridges by providing directives in general bridge layout, bridge support pile sizing, beam configuration and sizing, erosion control measures, and bridge deck design. He often served as the final reviewer for construction document plan sets and was the designated QA/QC manager for the Irvine office. As QA/QC manager, he became intimately familiar with bridge design criteria found within MoDOT's Engineering Policy Guide, AASHTO LRF Bridge Design Code and ACI criteria.

**Storm Drain System Design, Spring Mountain Ranch, Riverside, CA:** Project Engineer. Mr. Van Horn was responsible for layout and design of storm drain facilities for the future housing tract of the approximately 25 acre Spring Mountain Ranch development. Master planning level design utilized Riverside County design standards and was modeled using WSPG (Water Surface Profile Gradient) software. Despite steep terrain coupled with relatively 'flashy' runoff events experienced within Riverside County, the design was reviewed and approved by Riverside County drainage officials. Design included sizing of RCP pipe laterals and trunk lines and location of catch basins, manholes, and junction

boxes per county design standards. Subsequent to design, Mr. Van Horn delivered a full material bill and engineers cost estimate.

**Santa Paula Water Recycling Facility, Santa Paula, CA:** Project Engineer. Mr. Van Horn was instrumental in wastewater treatment plant design and plan development for the 3.4 MGD, MBR style plant that has replaced the existing treatment plant for the city of Santa Paula. Mr. Van Horn checked plans, developed specification sheets and reviewed shop drawings for several pump, filter and electronic components within the plant. Mr. Van Horn also sized pumps and tanks to be used within the plant and assisted in general layout and design.

In addition, Mr. Van Horn gained approval of a stormwater flood control channel which runs through the WRF site in Santa Paula. Mr. Van Horn designed and produced construction documents for the 2,400 foot long trapezoidal earthen flood channel that included double 72" x 72" flap gates utilized for a culvert levee penetration that outlets directly into the Santa Clara River. Additional culverts, access ramps, slope protection, and water quality BMP compose the system. Computer modeling using unsteady flow analysis in HEC-RAS was required before project approval was granted. The channel has been constructed and tested successful during heavy rainfall events in early 2011.

**Water Storage Tank, Wildomar, CA:** Project Engineer. Mr. Van Horn designed and sized an 80,000 GAL water storage tank system utilized by the city of Wildomar for drinking water in mountain community and as a reserve source of fire supply. A 34' diameter, 12' high tank was fully designed to include emergency release valve, emergency access ladder, knuckled rim roof, haul route designation for tank assembly, etc. The system included neighborhood piping network in steep terrain, system control/shut-off/check valves, several hydrants and pressure relief valves to accommodate pressure zones within the local neighborhood.

**Pilot RO Water Treatment Plant, Sycuan Indian Casino, San Diego, CA:** As Project Engineer, Mr. Van Horn assisted in the design, construction and operation of a two-stage RO water treatment system intended to process raw well water for potable water use inside the Sycuan Indian Casino. Vibratory Shear Enhance Processing (VSEP) followed by standard spiral wound membrane treatment was used to recover over 95% of the raw well influent. Mr. Van Horn assisted in the install of all piping, instrumentation and controls prior to plant start-up. Mr. Van Horn then operated the pilot plant for over 1 month demonstrating superior performance to the existing system at Sycuan. A full scale plant is now in design.

**San Juan Creek Watershed Study, Orange County, CA:** Project Engineer. Mr. Van Horn was responsible for a baseline analysis of the San Juan Creek Watershed in Orange County, CA that was required to establish existing condition flow rates. His tasks included delineation of a 175 square mile watershed, hydrologic parameter calculation, AES computer model input, and runoff estimation at critical points throughout the watershed. A rational method model required over 1,000 sub-watersheds to generate lag times which were then input into a unit-hydrograph model that consisted of over 70 regional watersheds. This was immediately followed up by an impact analysis due to the proposed inclusion of the Rancho Mission Viejo development. Several detention and retention basins were sized and placed into the model in attempt to restore developed peak flows to existing condition levels. Following procedures outlined in both the Orange County Hydrology Manual, and by FEMA, Mr. Van Horn has received County approval of existing and proposed flow rates across several storm

frequencies as well as preliminary acceptance of basin location and size for mitigation. Mr. Van Horn acted as liaison to County reviewers and has led several meetings at the County building in Santa Ana, CA in dealing with this project.

**Bank Stabilization, San Timoteo Creek, Beaumont, CA:** Design Engineer. Mr. Van Horn was in charge of PACE's construction services and inspection for installation of 5,300 lineal feet of soil cement along an approximately one-mile reach of the north and south banks of San Timoteo Creek in Beaumont, CA. Construction lasted for nearly 4 months where Mr. Van Horn was in direct communication between geotechnical testing personnel, construction contractors and city officials. Mr. Van Horn conducted quality control and inspection of operations during excavation, batch plant calibration, mixing, placement and compaction of material, preparation and testing of soil cement cylinders and all grading activities. Mr. Van Horn mapped existing and proposed improvements to be coordinated with the proposed soil cement bank system, coordinated right-of-way and maintenance access requirements with the City of Beaumont and RCFC&WCD, and developed a top bank profile and alignment that met the requirements of the City of Beaumont, RCTD, resource agencies, FEMA, and the proposed SunCal Companies grading plan. The project was completed in March of 2008.

**Fluvial Studies, Castaic Creek, Newhall Ranch, and River Village, Santa Clarita, CA:** Design Engineer. Mr. Van Horn was responsible for fluvial studies to estimate post-development erosion in the Santa Clara River and local tributaries in Santa Clarita, CA due to several proposed developments in the area. These studies were used to minimize project impacts and establish horizontal and vertical extents of protection measures, including bridge protection. Mr. Van Horn estimated general adjustment based on ACOE Sediment Analysis Model (SAM) numerical modeling. He also estimated long-term adjustment based on historical topographic analysis and local scour using empirical techniques. These studies provided a detailed and focused evaluation of the hydrologic and hydraulic impacts from proposed development on erosion within the Santa Clara River.

**CHRISTINE KASKARA, P.E., QSD**  
**Design Engineer**

**Professional Experience**

Ms. Kaskara has over 9 years of experience in engineering including structural and civil assignments. At CBM, she assists in preparing civil engineering plans using AutoCAD. She also has practical experience in obtaining field information as necessary and preparing Safe Route to School (SR2S) applications. Christine received her QSD Certification in 2011. She previously worked for both the County of Riverside Department of Building and Safety and the Community Redevelopment Agency of Los Angeles, Christine is proficient in AutoCAD, RISA-3D, ENERCALC, TJ-Beam, WoodWorks Shearwalls.

**Project Experience**

**Streets**

**Sun Valley EDA Public Improvement Project, Los Angeles, CA:** Design Engineer. Engineering design services to develop Plans, Specifications, and Estimate (PS&E) for the repair and rehabilitation of 2 major arterial highways and 5 major intersections in the City of Los Angeles. Work included removal and replacement of failed AC and PCC pavement sections; reconstruction of driveways and curb access ramps to meet ADA requirements; milling and overlay of PCC and AC pavement; and complete reconstruction of intersections with cross gutters, grading, and paving. Construction Cost \$3,000,000.

**Residential & Arterial Overlay 2011 Design, Thousand Oaks, CA:** Design Engineer. Prepared Plans, Specifications and Estimate for the City's 3 year Pavement Rehabilitation Project. Work included field review, documentation, and photographing of all street sections and repair locations; determination of rehabilitation strategies; preparation of plans, specifications, and estimate for bid; and bid support. The project included 50,000 tons of asphalt pavement reconstruction and Asphalt Rubber Hot Mix overlay on 30 miles of local, collector, and arterial streets. All work was completed in a compressed time schedule of 4 weeks. Construction Cost \$7,000,000.

**Sepulveda Boulevard Pedestrian Improvements, Culver City, CA:** Design Engineer. Prepared the Plans, Specifications, and Estimate (PS&E) for the enhancement of a 1/2 mile section of Sepulveda Blvd in a busy commercial area of Culver City. The project included the challenging installation of landscaped areas with trees, plants, benches, curb access ramps, and driveway and sidewalk replacements in a fully developed area with outdoor dining and retail shops. Construction Cost \$350,000.

**Brea Standard Drawings, Brea, CA:** Design Engineer. Assisted the City of Brea in completely updating existing and developing new Standard Plans for public works construction. Standard plans

**Education**

*M.S., Civil Engineering, University of Southern California, Los Angeles, CA, (2004)*

*B.S., Civil Engineering, Cal Poly Pomona, Pomona, CA, (2002)*

**Year Entered Profession**

2002

**Year started with Firm**

2009

**Registrations**

*Prof. Engineer (Civil) CA #C75585 (2010)*

**Certifications**

*Qualified SWPPP Developer (QSD) /*

*Qualified SWPPP Practitioner (QSP) #20336*

**Professional Affiliations**

*Member of Chi Epsilon, Civil Engineering Honor Society*

included street, sewer, water, street lighting, traffic signals, landscaping, irrigation, and storm drain improvement details. Consultant Cost \$24,000.

**Pacoima/Panorama Street Improvements at Various Locations, Los Angeles, CA:** Assistant Design Engineer. Design, Construction Management and Observation services for the City's Annual Street Improvement Project included sidewalk improvements at various locations, street reconstruction and construction of gutters, curb, cross gutters and storm drains throughout the city.

**2007 ADA Curb Access Ramp Improvements, Torrance, CA:** Assistant Design Engineer / Construction Observer. CBM provided field inspection, measurements, photographs, and engineering to document and design ADA curb access ramp improvements at approximately 500 locations throughout the City. CBM provided bid ready plans, specifications, and estimate for the project. CBM also provided construction observation services upon commencement of construction.

**City of Signal Hill Cherry Avenue Improvement Project, Signal Hill, CA:** Assistant Design Engineer. Responsible for the project management associated with the new design for the widening of Cherry Ave. between 20<sup>TH</sup> Street and 250ft south of PCH. The project includes a new storm drain, traffic signal upgrade at the PCH/Cherry Ave intersection, reconstruction of the street, PCC improvements and striping. Consultant Cost: \$52,890.00.

**La Habra 2009-2010 Street Rehab, La Habra, CA.** Assistant Design Engineer. Provided overall project management, engineering design, and construction management services for the City of La Habra's annual street rehabilitation project for fiscal year 2008-2009. Work included initial project area selection and field review, utility research, funding allocations, engineering design, coordination of surveying and geotechnical services, bidding and award, and construction management throughout completion. Work included preparing City Council items and coordination with City staff.

**Idaho Street Rehab, La Habra, CA:** Assistant Design Engineer: Prepared complete plans, specifications, and estimate for improvement of the intersection of La Habra Blvd & Idaho Street in the City of La Habra. The project included widening and construction of a right-turn packet; new video detection traffic signal controller system; new signal poles and street name signs; new curb, gutter, sidewalk, and driveway; storm drain system relocation; utility adjustments; utility pole relocation; decorative PCC crosswalk; asphalt concrete pavement; landscape and irrigation restoration. Construction Cost \$250,000.

**Annual Residential Overlay and Slurry Seal, Rancho Palos Verdes, CA:** Assistant Construction Manager. CBM Consulting provided project and construction management services for the City of Rancho Palos Verdes 2010 pavement rehabilitation project, which included street repairs consisting of Cape Seal, slurry seal, and reconstruction, ADA improvements, PCC curb, gutter, sidewalk and driveway repairs, signage, and striping. This project rehabilitated 92 residential and collector streets. Construction Cost \$1,500,000.

**Street Improvement on Pier Ave. Hermosa Beach, CA:** Assistant Construction Manager. CBM prepared plans, specifications and cost estimates, for street improvements on Pier Ave from Valley to Pacific Coast Highway. CBM also assisted Hermosa Beach in preparing all Federal documents in a expedited manner. The project consisted of the following: construction of curb and gutter, construction

of curb access ramps, cold milling and AC overlay, and striping. CBM managed subconsultants for survey and soils testing. CBM provided construction engineering services for this job at the request of Hermosa Beach. Construction Cost \$250,000.

**Hermosa Beach 8<sup>th</sup> Street, Hermosa Beach, CA:** Assistant Construction Manager. This project rehabilitated 8<sup>th</sup> Street from Valley Drive to Pacific Coast Highway. This minor arterial rehabilitation will include PCC pavement milling, AC leveling course, AC overlay, curb, gutter, and sidewalks, striping and markings. CBM provided design services to complete the plans, specifications, and estimate. Assisted the City in completing SR2S funding applications for sidewalk and ADA curb access ramp improvements on 8<sup>th</sup> Street in Hermosa Beach.

**Valley Dr. & Aviation Blvd. Resurfacing, Manhattan Beach, CA:** Assistant Construction Manager. CBM provided Construction Engineering and Project Management services for the City of Manhattan Beach for these two projects including rehabilitation of Aviation Boulevard from Marine Avenue to Manhattan Beach Boulevard, and Valley Drive from 15<sup>th</sup> Street to Sepulveda Boulevard. The work included asphalt pavement milling and overlay, localized reconstruction, utility adjustments, striping and markings, and other incidental work. Both of these projects were funded with ARRA grants. CBM performed complete management throughout construction such that the project was completed in accordance with federal-aid requirements. The scope of work included daily record keeping and inspection, weekly meeting notes and reports, photographs, change order and Request for Information processing, DBE/UDBE monitoring, Quality Assurance Program (QAP) implementation, City and utility coordination, and employee interviews.

**Economic Stimulus E-76 Street Improvements Design, Hawthorne, CA:** Assistant Design Engineer. CBM Prepared Preliminary Environmental Study for the purpose of receiving Categorical Exclusion without required technical studies. Prepared the required forms for the E-76 process. Carry out a site inspection to determine the % grind & overlay, the % R&R and the amount of damaged gutter that will need to be replaced on the 24 streets selected by the City. Prepared specifications, drawings and estimate for the street cross sections and drawings, detailing the limits of the improvements per segment. The streets were prioritized based on existing street conditions.

#### Storm Drains & Sewer

**Annual La Habra Water Replacement 2010-2011, La Habra, CA:** Design Engineer. CBM provides design services for the City of La Habra annually since 2003. Work included replacement of 11,000 LF of 6" and 8" PVC water mains, fire hydrants, valves and fittings, air release/vacuum relief assemblies, flushing risers, and 200 water services. The project was constructed in coordination with the annual street rehabilitation project. Construction Cost \$1,000,000.

**Rancho Palos Verdes Drive East Catch Basins, Rancho Palos Verdes, CA:** Assistant Construction Manager. Reviewed existing storm drain inlet conditions at multiple locations in Rancho Palos Verdes. Each location show some deficiencies that could be improved. Field conditions and typical improvements were discussed. Consultant Cost \$15,000.

#### Parks

**Osornio Park Grading Improvements, La Habra, CA:** Design Engineer. Prepared plans, specifications, and estimate (PS&E) for grading Osornio Park to enlarge the current soccer field and



install a new junior size soccer field. Work included site review, coordination of surveying, preparation of PS&E, and assistance throughout construction. The project included 1800 cubic yards of excavation and 1500 cubic yards of fill. Construction Cost \$70,000.

**Seaside Park Improvements, Long Beach, CA:** Assistant Construction Manager. CBM provided construction management and project management services for the construction of a new park on a site located at 1401 Chestnut Ave., in the City of Long Beach. The new park includes a playground area, soccer field, picnic facilities, restroom facilities, multi purpose hard court, park lighting, landscaping, turf areas, new fencing and pathways. Construction Cost \$1,200,000.

### **Parking**

**Sunset Parking Lot Design, West Hollywood, CA:** Assistant Design Engineer. Prepared plans, specifications, and estimate for a new parking lot at 8459 Sunset Boulevard serving the historic "Sunset Strip" section of West Hollywood. This parking lot included structural BMP's and underground stormwater storage modules dramatically reducing peak runoff rates, and effectively eliminating dry season flow. The perimeter of the lot was improved with drought tolerant landscaping and a landscape curtain of mature trees to conceal large billboards on either side of the lot from adjacent property owners and tenants.

### **Public Facilities**

**Admiral Kidd Park Improvements Phase IB, Long Beach, CA:** Assistant Project Manager. This project consisted primarily of demolishing the existing approximately 1500 square foot community center building and constructing a new 4500 square foot teen center building, including site improvements to the building's surroundings. Construction Cost \$2,200,000.

**Pre-Fab Restroom Installation, Long Beach, CA:** Assistant Project Manager. The project involved the following: Plan check approval of the pre-engineered drawings for 4 public restrooms in the City of Long Beach, preparation of the scope of work and bid document for the demolition and site clearance, and preparation of plans detailing utility relocations/alterations. CBM provided Bid phase project management and construction management of the demolition and site clearance, and installation of the pre-engineered restrooms. Construction Cost \$1,200,000.

## PERSONAL REFERENCES

### **Nicolas Hsieh**

Sam Makar, *Senior Civil Engineer,*  
Elizabeth Overstreet, *Engineering Manager,*  
Andy Winje, *City Engineer,*

*City of La Habra, 562.905.9720*  
*City of Torrance, 310.618.3074*  
*City of Rancho Palos Verdes, 310.544.5249*

### **Chet Van Horn**

Sam Al-Jamal, PhD, PE,  
Wayne Ellenberger, SE, PE,  
Bruce Phillips, PE,  
Andrew Ronnau, PhD, PE,

*Michael Baker Jr., Inc./LPA Group, Inc., 919.628.6256*  
*Michael Baker Jr., Inc./LPA Group, Inc., 314.238.1321*  
*Pacific Advanced Civil Engineering, Inc. (PACE), 714.481.7300*  
*Pacific Advanced Civil Engineering, Inc. (PACE), 714.481.7300*

### **Christine Kaskara**

Sam Makar, *Senior Civil Engineer,*  
Kriss Casanova, *Economic Development Manager,*

*City of La Habra, 562.905.9720*  
*City of Culver City,*  
*310.253.5700, kriss.casanova@culvercity.org*

Kenneth Kim, *Project Manager,*

*City of Buena Park, 714.562.3688, kkim@buenapark.com*

## 4. Firm's Qualifications

### **City of La Habra Staff Assistance**

CBM serves as an extension of engineering staff for the Public Works Departments of the City of La Habra. Manage the design, bid, and construction of various CIP projects, including street, water, storm drain, and sewer projects with local, state, and federal funding.

Owner: City of La Habra

Contact: Sam Makar, Senior Civil Engineer, (562) 905-9720

Duration: 2003 - Present

### **City of Malibu Staff Assistance**

CBM provided staff assistance for various programs and projects including Capital Improvement Program (CIP), floodplain management, NPDES, Big Rock Storm Drain, and funding programs. Duties included project management, construction contract administration, funding programs administration, and public works inspection staff supervision. Developed requests for proposals, residential development plan checks for public works issues, issued encroachment and construction permits and interfaced with the public on public works issues.

Owner: City of Malibu

Contact: Claudio Sanchez, Acting City Engineer, (310) 456-2489

Duration: 2005

### **City of Torrance Staff Assistance**

CBM provided staff assistance to the City of Torrance for their Design and Capital Projects Division. General duties included oversight of design division, management of all capital projects including street, sewer, drainage, and traffic projects. Responsibilities included the day to day management of the division, extensive plan checking, preparation of City Council agenda items for all projects, preparation of final recommendations for contract awards, change orders, notices to proceed, etc.

Owner: City of Torrance

Contact: Beth Overstreet, Acting City Engineer, (310) 618-3074

Duration: 2000 - 2003

### **City of Rancho Cucamonga Staff Assistance**

CBM's responsibilities included the supervision and mentoring of two full-time employees in the Traffic Management Section of the City's Engineering Services Department, with a primarily focus on traffic safety and day-to-day traffic operations, as well as oversight and review of traffic improvement design and implementation efforts. Our efforts with the City of Rancho Cucamonga also included involvement in responding to traffic issues brought forth from the residents and businesses in Rancho Cucamonga from City officials, other City staff, and agencies in the surrounding area. CBM attended presentations and meeting in behalf of the City Engineer.

Owner: City of Rancho Cucamonga

Contact: Mark Steuer, Director of Engineering Services/City Engineer, (909) 477-2740

Duration: 2011-2012

**City of Culver City and Culver City Redevelopment Agency Staff Assistance**

CBM has a 14-year relationship providing staff assistance to the City of Culver City and Culver City Redevelopment Agency (CCRA). CBM has assisted with numerous projects providing complete Project Management, Construction Management, and Design Services. CBM's quality of work and high standards has allowed us to continuously receive requests to provide services to Culver City and the CCRA.

Owner: Culver City Redevelopment Agency

Contact: Todd Tipton, Redevelopment Project Specialist, (310) 253-5783

Duration: 2003 - 2011

**City of Rancho Palos Verdes Staff Assistance**

CBM is currently providing temporary part-time engineering staff services two to three days per week for the City of Rancho Palos Verdes while the City recruits to fill a vacant Senior Engineer position. Duties include coordinating and/or executing activities related to construction contract bidding and award; preparing RFPs, assisting in the negotiation of consultant fees, monitoring design progress and soliciting input from various City divisions, initiating progress payments, representing the City at project coordination meetings, compiling plans, specs and estimates.

Owner: City of Rancho Palos Verdes

Contact: Ray Holland, Interim Director of Public Works (310) 544-5252

Duration: February 2006 - Present

**City of Fullerton Staff Assistance**

CBM assisted the City of Fullerton for a period of six months while members of their regular engineering staff were out on disability leave. CBM provided continuity on existing projects and helped the engineering department maintain their heavy workload during this period of short staff by serving as an extension of engineering staff for the Public Works Department. The assistance provided included road, landscaping, park upgrade, and TI design projects.

Owner: City of Fullerton

Contact: Yelena Voronel, (714)738-6852

Duration: 2005

**City of La Canada Flintridge Staff Assistance**

CBM provided staff assistance to the City of La Canada Flintridge while the City was recruiting for full time engineering staff. Duties included field responses to public works issues that arose from members of the public, defining projects, put projects out to bid, acted as Project Manger, coordinated existing utility locations for inclusion in site survey, survey instructions and coordination, designed project and produced presentations for planning commission hearing, drew up specifications and bid sheet.

Owner: City of La Canada Flintridge

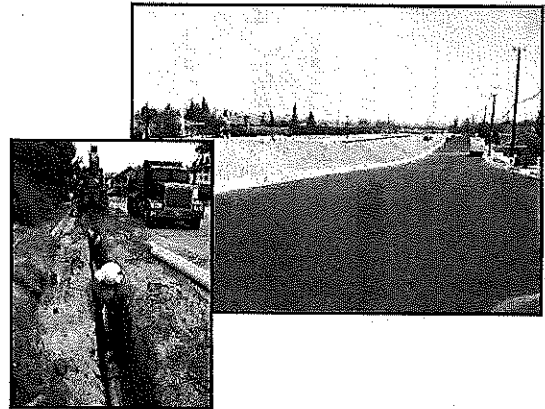
Contact: Steve Castellanos, Director of Public Works, (818) 790-8882

Duration: 2002

### La Habra Street Rehabilitation and Water Main Replacement Projects

La Habra, California

Construction Cost: ~\$3.5 million annually  
Owner: City of La Habra  
Contact: Sam Makar, P.E.  
Principal Civil Engineer  
562.905.9720  
Design Engineers: Chuck Stephan, P.E.  
Nicolas Hsieh, P.E.  
Christine Kaskara, P.E.  
Construction Observers: Nicolas Hsieh, P.E.  
Mauricio Zeledon, P.E.

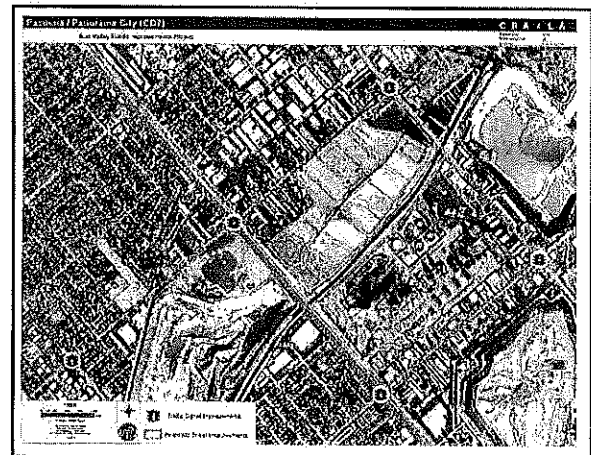


CBM has provided engineering design and project management services for the City of La Habra's annual street rehabilitation and water main replacement projects since 2005. The pavement rehabilitation scope of work includes a complete assessment of pavement condition, geotechnical investigation, analysis of rehabilitation options and cost tradeoffs, development of plans, specifications and estimate, and management of the project throughout construction. The water pipeline replacement scope of work includes a complete assessment of pipeline conditions and break history, valve condition, fire flow needs, fire hydrant spacing, pavement strategy, development of plans, specifications and estimate, and management of the project throughout construction. Work included removal and replacement of curb, gutter, sidewalk, and driveways; construction of ADA curb access ramps; replacement of water pipelines, valves, hydrants, and services; full depth asphalt, and asphalt overlay.

### Sun Valley EDA Public Improvement Project

Los Angeles, California

Consultant Cost: \$265,000  
Construction Cost: \$3 million  
Owner: Community Redevelopment  
Agency of Los Angeles  
Completion Date: July 2011  
Project Manager: Chuck Stephan, P.E.  
Design Engineers: Chuck Stephan, P.E.  
Nicolas Hsieh, P.E.  
Christine Kaskara, P.E.  
Contact: Dora Huerta  
Assistant Project Manager  
818.623.1060

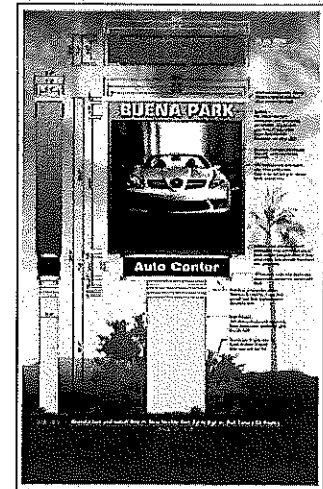


Engineering design services to develop Plans, Specifications, and Estimate (PS&E) for the repair and rehabilitation of 2 major arterial highways and 5 major intersections in the City of Los Angeles. Work included removal and replacement of failed AC and PCC pavement sections; reconstruction of driveways and curb access ramps to meet ADA requirements; milling and overlay of PCC and AC pavement; and complete reconstruction of intersections with cross gutters, grading, and paving.

### Auto Center Sign

City of Buena Park, California

Consultant Cost: \$25,000  
Construction Cost: \$250,000 est.  
Owner: City of Buena Park  
Completion Date: September 2011  
Project Manager: Chuck Stephan, P.E.  
Design Engineer: Chuck Stephan, P.E.  
Christine Kaskara, P.E.  
Contact: D. Scott Riordan  
City of Buena Park  
Economic Development Department  
714-562-3588



Prepared Plans, Specifications and Estimate (PS&E) for the installation of a new LED advertisement sign at the Auto Center in the City of Buena Park along the I-5 freeway. The sign was installed in an existing parking lot at the Nissan auto dealer location. Work included numerous conceptual layouts and coordination between the City and property owner. The final design included the removal of existing landscaping and irrigation, relocation of lights and trees, and construction of curb, gutter, pavement, landscaping, irrigation, and electrical and telecommunications services to the new sign.

### On-Call Parking Consulting Services

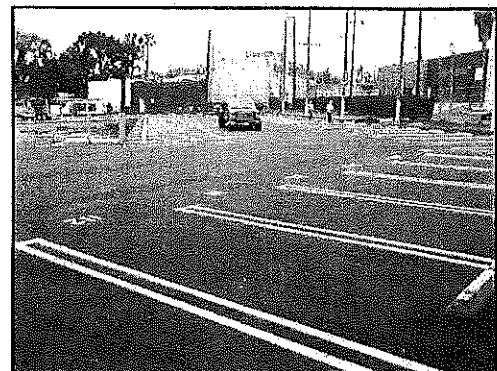
West Hollywood, California

Owner: City of West Hollywood  
Completion Date: Ongoing  
Contact: Oscar Delgado  
(323) 848-6374  
Project Manager: Alan Braatvedt  
Design Engineers: Nicolas Hsieh, P.E.  
Christine Kaskara, P.E.



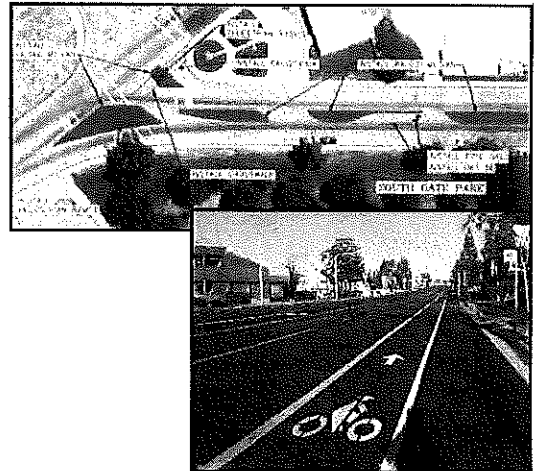
CBM provided consultant services to the Transportation Manager for the City of West Hollywood. CBM was retained on a multi-year contract for complete analysis of parking structure location options, including yield, cost, timing, and acquisition strategy. CBM is managing the subconsultant team, which includes International Parking Design, Inc. The team is providing architectural services, yield and rate analyses, and financing strategies.

- Park Ball Field Parking Lot
- Public Parking Lot at 8459 Sunset Blvd
- Orangegrove Parking Lot
- La Peer Parking Lot
- El Tovar Parking Lot
- Spaulding Parking Lot



**Safe Routes to School Cycle 8 & 9**  
South Gate CA

Consultant Cost: \$177,000  
Construction Cost \$1,200,000  
Owner: City of South Gate  
Completion Date: January 2013  
Project Manager: Frank Benavidez, P.E.  
Design Engineer: Christine Kaskara, P.E., QSD  
Contact: Kenneth Tang  
Senior Civil Engineer  
323.563.9574

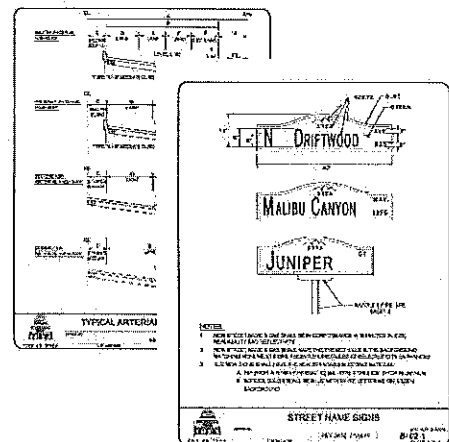


The City of South Gate sought to provide needed infrastructure improvements for pedestrian and cyclists. This is an important project to the City in that it provides safe walking and bicycling routes to school. The project required installation of 98 pedestrian countdown signal heads at various locations, installation of 17 solar powered speed awareness signs at various locations, construction of 6 speed humps with regulatory signage, flashing beacons installation at the intersection of Santa Ana St. and Madison Ave., Class I Bike Path construction along Southern Ave. from State St. to Burke Ave., Installation of 2,000 LF of Sidewalk on Tweedy Bl. From Hildreth St. to Pinehurst St., Raised Median Islands construction on Southern Ave. from Southern Pl. to Pinehurst Ave., and installation of 6,500 LF of Class II Bike Lane on Alexander Ave. from Abbot Rd. to Firestone Blvd.

CBM provided overall design management and prepared bid ready plans, specification and estimate for the project. Work included field review, photographs, documentation, topographic survey, traffic study; preparation of roadway plans, signing and striping plans and traffic signal plans. This project is in the final stages of design and has not yet been constructed.

**Brea Standard Drawings**  
Brea, California

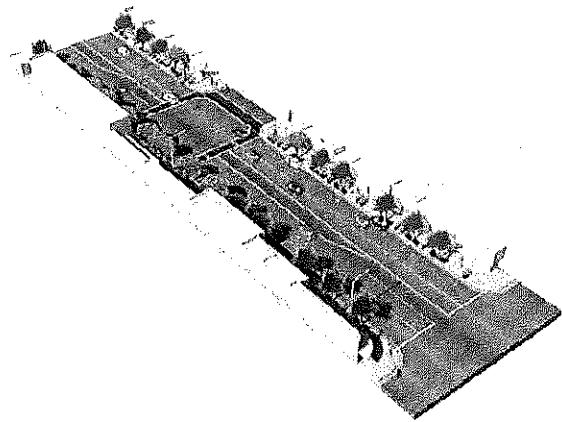
Consultant Cost: \$24,000  
Owner: City of Brea  
Completion Date: August 2011  
Design Engineers: Christine Kaskara, P.E.  
Contact: Delfino "Chino" Consunji, P.E.  
Deputy Director / City Engineer  
714.990.7657



Assisted the City of Brea in completely updating existing and developing new Standard Plans for public works construction. Standard plans included street, sewer, water, street lighting, traffic signals, landscaping, irrigation, and storm drain improvement details.

**Sepulveda Boulevard Pedestrian Improvements**  
Culver City, California

Consultant Cost: \$20,000  
Construction Cost: \$350,000  
Owner: City of Culver City  
Completion Date: July 2011  
Project Manager: Chuck Stephan, P.E.  
Design Engineer: Chuck Stephan, P.E.  
Nicolas Hsieh, P.E.  
Contact: Michael Pasternak,  
Management Analyst  
Redevelopment Agency  
310.253.5708

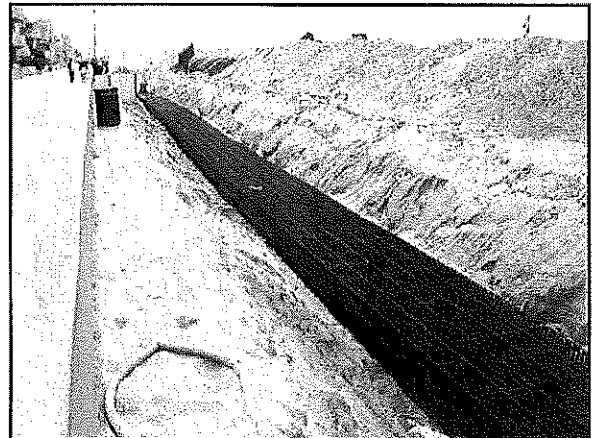


Prepared the Plans, Specifications, and Estimate (PS&E) for the enhancement of a ½ mile section of Sepulveda Blvd in a busy commercial area of Culver City. The project included the challenging installation of landscaped areas with trees, plants, benches, curb access ramps, and driveway and sidewalk replacements in a fully developed area with outdoor dining and retail shops.

**Strand Infiltration Trench Project**  
Hermosa Beach, California

*APWA Southern California Chapter Project of the Year 2010 – Water & Wastewater*

Construction Cost: \$500,000  
Owner: City of Hermosa Beach  
Construction Start: October 2009  
Completion Date: Spring 2010  
Contact: Rick Morgan, City Engineer  
Director of Public Works  
Project Manager: Derry MacMahon  
Construction Observers: Nicolas Hsieh, P.E.  
Funding: ARRA

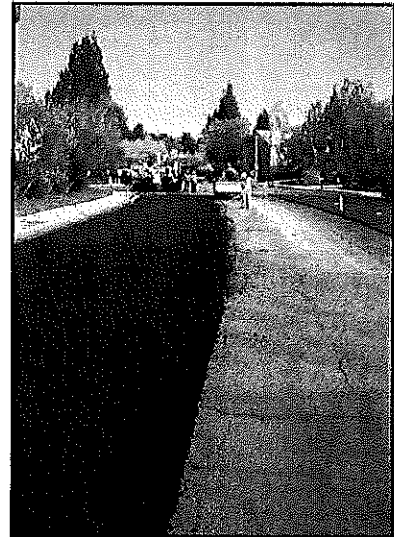


This project installed a diversion structure, pump station, and infiltration field to divert low-flow storm drain system runoff from beach areas to a subsurface percolation field. Construction took place in the developed area around the pier, requiring significant coordination with City staff, lifeguards, and businesses. Permittees include the City, Los Angeles County and the Coastal Commission. The project was financed with ARRA funding. CBM Consulting provided the construction project management and inspection services, as well as assistance for federal-aid funding requirements and reporting.



**Residential & Arterial Overlay 2011**  
Thousand Oaks, California

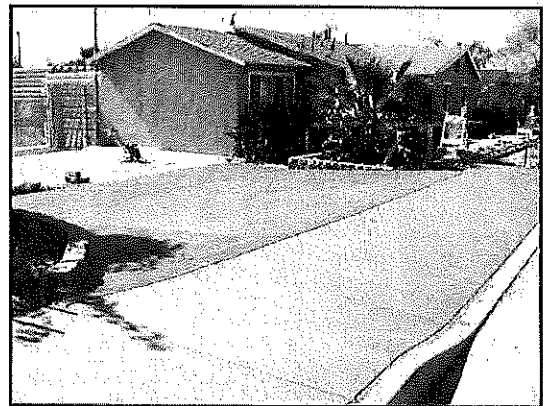
Consultant Cost: \$291,720  
Construction Cost: \$7 million  
Owner: City of Thousand Oaks  
Completion Date: May 2011  
Design Engineers: Chuck Stephan, P.E.  
Nicolas Hsieh, P.E.  
Christine Kaskara, P.E.  
Contact: Tom Pizza, P.E.  
(805) 449-2430



CBM Prepared Plans, Specifications and Estimate for the City's 3 year Pavement Rehabilitation Project. Work included field review, documentation, and photographing of all street sections and repair locations; determination of rehabilitation strategies; preparation of plans, specifications, and estimate for bid; and bid support. The project included 50,000 tons of asphalt pavement reconstruction and Asphalt Rubber Hot Mix overlay on 30 miles of local, collector, and arterial streets. All work was completed in a compressed time schedule of 4 weeks.

**Lambert Road Rehab Phase 2: Sidewalk Gap Closure Phase 2/  
Lambert Road Rehab, Beach Blvd to Idaho Street**  
La Habra, California

Construction Cost: \$2,000,000  
Owner: City of La Habra  
Completion Date: March 2008  
Contact: Sam Makar, P.E.  
Senior Civil Engineer  
(562) 905-9720  
Project Manager: Chuck Stephan, P.E.  
Design Engineer: Nicolas Hsieh, P.E.  
Funding Source: STPL



The Beach Boulevard and Lambert Road Widening, Project No. 5-TC-05, and Lambert Road Rehabilitation from Beach Boulevard to Idaho Street, Project No. 8-R-06, and Lambert Road Sidewalk Gap Closure Phase II, Project No. 4-R-06 improved the Beach Blvd/Lambert Road intersection by installing additional right and left turn lanes with associated signal pole relocations and ADA curb access ramps; completed curb & gutter improvements, repaired pavement surfaces and overlaid Lambert Road from Beach Blvd to Idaho Street; and completed the sidewalk system on Lambert Road from Beach Blvd to the easterly City limits. Because these projects had overlapping limits of work and required coordinated phasing, they were constructed in a single project to avoid construction conflicts. The project utilized pressure grout injection to stabilize subgrade soils for construction of the traffic signal foundations.

## 5. Fee Schedule

**For this assignment, in accordance with the Contract amount not-to-exceed three-hundred thousand (\$300,000), our proposed Engineer(s) will be billed at the rate of \$110/hour.**

### Hourly Billing Rates

#### Professional Engineering & Management Services

#### Hourly Billing Rate

◇ Principal-In-Charge/Program Director .....	\$160.00
◇ Senior Engineer.....	150.00
◇ QA/QC Manager.....	145.00
◇ Construction Manager.....	130.00
◇ Project Manager .....	130.00
◇ Project Engineer .....	120.00
◇ SWPPP Developer (QSD) .....	120.00
◇ Assistant Construction Manager .....	110.00
◇ <b>Design Engineer</b> .....	<b>110.00</b>
◇ Assistant Project Manager .....	110.00
◇ Associate Engineer.....	100.00
◇ Project Controls .....	100.00
◇ SWPPP Practitioner (QSP) .....	95.00
◇ Senior Construction Observer.....	90.00
◇ Construction Observer .....	85.00
◇ Construction Observer (non-prevailing wage).....	75.00
◇ Administrative & Clerical Support.....	70.00

The rates shown above may be negotiable for long-term, multi-classification contracts and/or assignments that utilize full-time staff exclusively at the Client's offices or project site.

These rates are dependant on Prevailing Wage rates as determined by the Director of the Department of Industrial Relations. Interim changes will negate these rates and an adjusted fee schedule will be issued, and shall apply should this occur.

Any work in excess of eight hours in one workday and any work in excess of 40 hours in one workweek and the first eight hours worked on the seventh day of work in any one workweek shall be at the rate of one and one-half times the regular rate of pay. Any work in excess of 12 hours in one day and any work in excess of eight hours on any seventh day of a workweek shall be paid no less than twice the regular rate of pay.

Rates are subject to an annual 5% adjustment.

January 1, 2014

## 6. Appendix

ADDENDUM NO. I

QSD/P CERTIFICATIONS

PROFESSIONAL ENGINEER REGISTRATIONS

**Addendum No. 1 to RFP for Engineering Staff Services  
KOA Corporation/CBM Consulting  
Page 2 of 2**

# ACKNOWLEDGMENT FOR ADDENDUM NO. 1

## **ADDENDUM No. 1 TO RFP FOR ENGINEERING STAFF SERVICES**

### STATEMENT:

I have received Addendum No. 1 to the **REQUEST FOR PROPOSAL FOR ENGINEERING STAFF SERVICES**, in the City of Garden Grove. The requirements of Addendum No. 1 are included in my proposal.

KOA Corporation / CBM Consulting

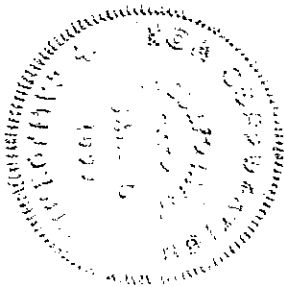
\_\_\_\_\_  
Company Name

Chuck Stephan

\_\_\_\_\_  
By

Vice President

\_\_\_\_\_  
Title



**Corporate Seal**

**CERTIFICATE OF TRAINING**  
CALIFORNIA CONSTRUCTION GENERAL PERMIT

QUALIFIED SWPPP DEVELOPER (QSD)  
AND  
QUALIFIED SWPPP PRACTITIONER (QSP)

**Nicolas Hsieh**

August 26, 2011 - August 26, 2013

*Certificate # 01323*



California Stormwater Quality Association and  
California Construction General Permit Training Team

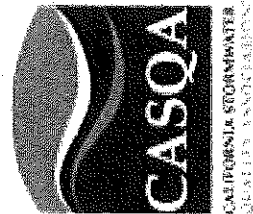
**CERTIFICATE OF TRAINING**  
CALIFORNIA CONSTRUCTION GENERAL PERMIT

QUALIFIED SWPPP DEVELOPER (QSD)  
AND  
QUALIFIED SWPPP PRACTITIONER (QSP)

**Chester Van horn**

Oct 28, 2011 - Oct 28, 2013

*Certificate # 21575*



California Stormwater Quality Association and  
California Construction General Permit Training Team

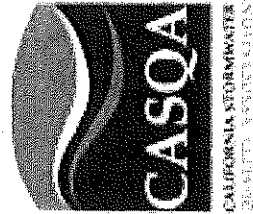
**CERTIFICATE OF TRAINING**  
CALIFORNIA CONSTRUCTION GENERAL PERMIT

QUALIFIED SWPPP DEVELOPER (QSD)  
AND  
QUALIFIED SWPPP PRACTITIONER (QSP)

**Christine Kaskara**

Aug 30, 2011 - Aug 30, 2013

*Certificate # 20336*



California Stormwater Quality Association and  
California Construction General Permit Training Team

Department of Consumer Affairs  
**Board for Professional Engineers, Land Surveyors,  
 and Geologists**

## BOARD FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS

<b>Licensee Name:</b>	HSIEH NICOLAS
<b>License Type:</b>	CIVIL ENGINEER
<b>License Number:</b>	76809
<b>License Status:</b>	<b>CLEAR Definition</b>
<b>Expiration Date:</b>	December 31, 2012
<b>Address:</b>	2379 WEYLAND CT
<b>City:</b>	SIMI VALLEY
<b>State:</b>	CA
<b>Zip:</b>	93065
<b>County:</b>	VENTURA
<b>Actions:</b>	No

Public Record Action(s)

**This information is updated Monday through Friday - Last updated: JUN-18-2012**

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Department of Consumer Affairs  
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and Geologists

## BOARD FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS

Licensee Name:	VAN HORN CHESTER PATRICK
License Type:	CIVIL ENGINEER
License Number:	74822
License Status:	<b>CLEAR Definition</b>
Expiration Date:	December 31, 2013
Address:	23 FLEURANCE ST
City:	LAGUNA NIGUEL
State:	CA
Zip:	92677
County:	ORANGE
Actions:	No

### Public Record Action(s)

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## BOARD FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS

Licensee Name:	KASKARA CHRISTINE
License Type:	CIVIL ENGINEER
License Number:	75585
License Status:	<b>CLEAR Definition</b>
Expiration Date:	June 30, 2014
Address:	PO BOX 6253
City:	ALHAMBRA
State:	CA
Zip:	91802
County:	LOS ANGELES
Actions:	No

### Public Record Action(s)

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