

PROFESSIONAL SERVICES CONTRACT BETWEEN
THE CITY OF HUNTINGTON BEACH AND
RAK DEVELOPMENT INC. DBA KREUZER CONSULTING GROUP
FOR
ON-CALL CIVIL ENGINEERING
& PROFESSIONAL CONSULTING SERVICES

THIS AGREEMENT ("Agreement") is made and entered into by and between the City of Huntington Beach, a municipal corporation of the State of California, hereinafter referred to as "CITY," and RAK DEVELOPMENT INC. DBA KREUZER CONSULTING GROUP, a California Corporation hereinafter referred to as "CONSULTANT."

WHEREAS, CITY desires to engage the services of a consultant to provide On-Call Civil Engineering & Professional Consulting Services; and

Pursuant to documentation on file in the office of the City Clerk, the provisions of the Huntington Beach Municipal Code, Chapter 3.03, relating to procurement of professional service contracts have been complied with; and

CONSULTANT has been selected to perform these services,

NOW, THEREFORE, it is agreed by CITY and CONSULTANT as follows:

1. SCOPE OF SERVICES

CONSULTANT shall provide all services as described in **Exhibit "A,"** which is attached hereto and incorporated into this Agreement by this reference. These services shall sometimes hereinafter be referred to as the "PROJECT."

CONSULTANT hereby designates Rick Kreuzer who shall represent it and be its sole contact and agent in all consultations with CITY during the performance of this Agreement.

2. CITY STAFF ASSISTANCE

CITY shall assign a staff coordinator to work directly with CONSULTANT in the performance of this Agreement.

3. TERM; TIME OF PERFORMANCE

Time is of the essence of this Agreement. The services of CONSULTANT are to commence on _____, 20____ (the "Commencement Date"). This Agreement shall automatically terminate three (3) years from the Commencement Date, unless extended or sooner terminated as provided herein. All tasks specified in **Exhibit "A"** shall be completed no later than three (3) years from the Commencement Date. The time for performance of the tasks identified in **Exhibit "A"** are generally to be shown in **Exhibit "A."** This schedule may be amended to benefit the PROJECT if mutually agreed to in writing by CITY and CONSULTANT.

In the event the Commencement Date precedes the Effective Date, CONSULTANT shall be bound by all terms and conditions as provided herein.

4. COMPENSATION

In consideration of the performance of the services described herein, CITY agrees to pay CONSULTANT on a time and materials basis at the rates specified in **Exhibit "B,"** which is attached hereto and incorporated by reference into this Agreement, a fee, including all costs and expenses, not to exceed Two Million Dollars (\$2,000,000.00).

5. EXTRA WORK

In the event CITY requires additional services not included in **Exhibit "A"** or changes in the scope of services described in **Exhibit "A,"** CONSULTANT will undertake such work only after receiving written authorization from CITY. Additional compensation for such extra work shall be allowed only if the prior written approval of CITY is obtained.

6. METHOD OF PAYMENT

CONSULTANT shall be paid pursuant to the terms of **Exhibit "B."**

7. DISPOSITION OF PLANS, ESTIMATES AND OTHER DOCUMENTS

CONSULTANT agrees that title to all materials prepared hereunder, including, without limitation, all original drawings, designs, reports, both field and office notices, calculations, computer code, language, data or programs, maps, memoranda, letters and other documents, shall belong to CITY, and CONSULTANT shall turn these materials over to CITY upon expiration or termination of this Agreement or upon PROJECT completion, whichever shall occur first. These materials may be used by CITY as it sees fit.

8. HOLD HARMLESS

A. CONSULTANT hereby agrees to protect, defend, indemnify and hold harmless CITY, its officers, elected or appointed officials, employees, agents and volunteers from and against any and all claims, damages, losses, expenses, judgments, demands and defense costs (including, without limitation, costs and fees of litigation of every nature or liability of any kind or nature) arising out of or in connection with CONSULTANT's (or CONSULTANT's subcontractors, if any) negligent (or alleged negligent) performance of this Agreement or its failure to comply with any of its obligations contained in this Agreement by CONSULTANT, its officers, agents or employees except such loss or damage which was caused by the sole negligence or willful misconduct of CITY. CONSULTANT will conduct all defense at its sole cost and expense and CITY shall approve selection of CONSULTANT's counsel. This indemnity shall apply to all claims and liability regardless of whether any insurance policies are applicable. The policy limits do not act as limitation upon the amount of indemnification to be provided by CONSULTANT.

B. To the extent that CONSULTANT performs "Design Professional Services" within the meaning of Civil Code Section 2782.8, then the following Hold Harmless provision applies in place of subsection A above:

“CONSULTANT hereby agrees to protect, defend, indemnify and hold harmless CITY and its officers, elected or appointed officials, employees, agents and volunteers, from and against any and all claims, damages, losses, expenses, demands and defense costs (including, without limitation, costs and fees of litigation of every nature or liability of any kind or nature) to the extent that the claims against CONSULTANT arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of CONSULTANT. In no event shall the cost to defend charged to CONSULTANT exceed CONSULTANT’s proportionate percentage of fault. However, notwithstanding the previous sentence, in the event one or more other defendants to the claims and/or litigation is unable to pay its share of defense costs due to bankruptcy or dissolution of the business, CONSULTANT shall meet and confer with CITY and other defendants regarding unpaid defense costs. The duty to indemnify, including the duty and the cost to defend, is limited as provided in California Civil Code Section 2782.8.

C. Regardless of whether subparagraph A or B applies, CITY shall be reimbursed by CONSULTANT for all costs and attorney’s fees incurred by CITY in enforcing this obligation. This indemnity shall apply to all claims and 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.

9. PROFESSIONAL LIABILITY INSURANCE

CONSULTANT shall obtain and furnish to CITY a professional liability insurance policy covering the work performed by it hereunder. This policy shall provide coverage for CONSULTANT’s professional liability in an amount not less than One Million Dollars (\$1,000,000.00) per occurrence and in the aggregate. The above-mentioned insurance shall not contain a self-insured retention without the express written consent of CITY; however an insurance

policy "deductible" of Ten Thousand Dollars (\$10,000.00) or less is permitted. A claims-made policy shall be acceptable if the policy further provides that:

- A. The policy retroactive date coincides with or precedes the initiation of the scope of work (including subsequent policies purchased as renewals or replacements).
- B. CONSULTANT shall notify CITY of circumstances or incidents that might give rise to future claims.

CONSULTANT will make every effort to maintain similar insurance during the required extended period of coverage following PROJECT completion. If insurance is terminated for any reason, CONSULTANT agrees to purchase an extended reporting provision of at least two (2) years to report claims arising from work performed in connection with this Agreement.

If CONSULTANT fails or refuses to produce or maintain the insurance required by this section or fails or refuses to furnish the CITY with required proof that insurance has been procured and is in force and paid for, the CITY shall have the right, at the CITY's election, to forthwith terminate this Agreement. Such termination shall not effect Consultant's right to be paid for its time and materials expended prior to notification of termination. CONSULTANT waives the right to receive compensation and agrees to indemnify the CITY for any work performed prior to approval of insurance by the CITY.

10. CERTIFICATE OF INSURANCE

Prior to commencing performance of the work hereunder, CONSULTANT shall furnish to CITY a certificate of insurance subject to approval of the City Attorney evidencing the foregoing insurance coverage as required by this Agreement; the certificate shall:

- A. provide the name and policy number of each carrier and policy;
- B. state that the policy is currently in force; and

C. shall promise that such policy shall not be suspended, voided or canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice; however, ten (10) days' prior written notice in the event of cancellation for nonpayment of premium.

CONSULTANT shall maintain the foregoing insurance coverage in force until the work under this Agreement is fully completed and accepted by CITY.

The requirement for carrying the foregoing insurance coverage shall not derogate from CONSULTANT's defense, hold harmless and indemnification obligations as set forth in this Agreement. CITY or its representative shall at all times have the right to demand the original or a copy of the policy of insurance. CONSULTANT shall pay, in a prompt and timely manner, the premiums on the insurance hereinabove required.

11. INDEPENDENT CONTRACTOR

CONSULTANT is, and shall be, acting at all times in the performance of this Agreement as an independent contractor herein and not as an employee of CITY. CONSULTANT shall secure at its own cost and expense, and be responsible for any and all payment of all taxes, social security, state disability insurance compensation, unemployment compensation and other payroll deductions for CONSULTANT and its officers, agents and employees and all business licenses, if any, in connection with the PROJECT and/or the services to be performed hereunder.

12. TERMINATION OF AGREEMENT

All work required hereunder shall be performed in a good and workmanlike manner. CITY may terminate CONSULTANT's services hereunder at any time with or without cause, and whether or not the PROJECT is fully complete. Any termination of this Agreement by CITY shall be made in writing, notice of which shall be delivered to CONSULTANT as provided herein. In the

event of termination, all finished and unfinished documents, exhibits, report, and evidence shall, at the option of CITY, become its property and shall be promptly delivered to it by CONSULTANT.

13. ASSIGNMENT AND DELEGATION

This Agreement is a personal service contract and the work hereunder shall not be assigned, delegated or subcontracted by CONSULTANT to any other person or entity without the prior express written consent of CITY. If an assignment, delegation or subcontract is approved, all approved assignees, delegates and subconsultants must satisfy the insurance requirements as set forth in Sections 9 and 10 hereinabove.

14. COPYRIGHTS/PATENTS

CITY shall own all rights to any patent or copyright on any work, item or material produced as a result of this Agreement.

15. CITY EMPLOYEES AND OFFICIALS

CONSULTANT shall employ no CITY official nor any regular CITY employee in the work performed pursuant to this Agreement. No officer or employee of CITY shall have any financial interest in this Agreement in violation of the applicable provisions of the California Government Code.

16. NOTICES

Any notices, certificates, or other communications hereunder shall be given either by personal delivery to CONSULTANT's agent (as designated in Section 1 hereinabove) or to CITY as the situation shall warrant, or by enclosing the same in a sealed envelope, postage prepaid, and depositing the same in the United States Postal Service, to the addresses specified below. CITY and CONSULTANT may designate different addresses to which subsequent notices, certificates or other communications will be sent by notifying the other party via personal delivery, a reputable overnight carrier or U. S. certified mail-return receipt requested:

TO CITY:

City of Huntington Beach
ATTN: Director of Public Works
2000 Main Street
Huntington Beach, CA 92648

TO CONSULTANT:

RAK Development Inc., dba Kreuzer
Consulting Group
Attn: Rick Kreuzer
18872 MacArthur Blvd., Suite 210
Irvine, CA 92612

17. CONSENT

When CITY's consent/approval is required under this Agreement, its consent/approval for one transaction or event shall not be deemed to be a consent/approval to any subsequent occurrence of the same or any other transaction or event.

18. MODIFICATION

No waiver or modification of any language in this Agreement shall be valid unless in writing and duly executed by both parties.

19. SECTION HEADINGS

The titles, captions, section, paragraph and subject headings, and descriptive phrases at the beginning of the various sections in this Agreement are merely descriptive and are included solely for convenience of reference only and are not representative of matters included or excluded from such provisions, and do not interpret, define, limit or describe, or construe the intent of the parties or affect the construction or interpretation of any provision of this Agreement.

20. INTERPRETATION OF THIS AGREEMENT

The language of all parts of this Agreement shall in all cases be construed as a whole, according to its fair meaning, and not strictly for or against any of the parties. If any provision of this Agreement is held by an arbitrator or court of competent jurisdiction to be unenforceable, void, illegal or invalid, such holding shall not invalidate or affect the remaining covenants and provisions of this Agreement. No covenant or provision shall be deemed dependent upon any other unless so expressly provided here. As used in this Agreement, the masculine or

neuter gender and singular or plural number shall be deemed to include the other whenever the context so indicates or requires. Nothing contained herein shall be construed so as to require the commission of any act contrary to law, and wherever there is any conflict between any provision contained herein and any present or future statute, law, ordinance or regulation contrary to which the parties have no right to contract, then the latter shall prevail, and the provision of this Agreement which is hereby affected shall be curtailed and limited only to the extent necessary to bring it within the requirements of the law.

21. DUPLICATE ORIGINAL

The original of this Agreement and one or more copies hereto have been prepared and signed in counterparts as duplicate originals, each of which so executed shall, irrespective of the date of its execution and delivery, be deemed an original. Each duplicate original shall be deemed an original instrument as against any party who has signed it.

22. IMMIGRATION

CONSULTANT shall be responsible for full compliance with the immigration and naturalization laws of the United States and shall, in particular, comply with the provisions of the United States Code regarding employment verification.

23. LEGAL SERVICES SUBCONTRACTING PROHIBITED

CONSULTANT and CITY agree that CITY is not liable for payment of any subcontractor work involving legal services, and that such legal services are expressly outside the scope of services contemplated hereunder. CONSULTANT understands that pursuant to *Huntington Beach City Charter* Section 309, the City Attorney is the exclusive legal counsel for CITY; and CITY shall not be liable for payment of any legal services expenses incurred by CONSULTANT.

24. ATTORNEY'S FEES

In the event suit is brought by either party to construe, interpret and/or enforce the terms and/or provisions of this Agreement or to secure the performance hereof, each party shall bear its own attorney's fees, such that the prevailing party shall not be entitled to recover its attorney's fees from the nonprevailing party.

25. SURVIVAL

Terms and conditions of this Agreement, which by their sense and context survive the expiration or termination of this Agreement, shall so survive.

26. GOVERNING LAW

This Agreement shall be governed and construed in accordance with the laws of the State of California.

27. SIGNATORIES

Each undersigned represents and warrants that its signature hereinbelow has the power, authority and right to bind their respective parties to each of the terms of this Agreement, and shall indemnify CITY fully for any injuries or damages to CITY in the event that such authority or power is not, in fact, held by the signatory or is withdrawn.

28. ENTIRETY

The parties acknowledge and agree that they are entering into this Agreement freely and voluntarily following extensive arm's length negotiation, and that each has had the opportunity to consult with legal counsel prior to executing this Agreement. The parties also acknowledge and agree that no representations, inducements, promises, agreements or warranties, oral or otherwise, have been made by that party or anyone acting on that party's behalf, which are not embodied in this Agreement, and that that party has not executed this Agreement in reliance on any representation, inducement, promise, agreement, warranty, fact or circumstance not expressly set forth in this

Agreement. This Agreement, and the attached exhibits, contain the entire agreement between the parties respecting the subject matter of this Agreement, and supersede all prior understandings and agreements whether oral or in writing between the parties respecting the subject matter hereof.

29. EFFECTIVE DATE

This Agreement shall be effective on the date of its approval by the City Council.

This Agreement shall expire when terminated as provided herein.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by and through their authorized officers.

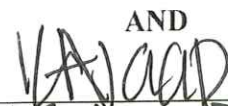
CONSULTANT,
RAK DEVELOPMENT INC. DBA
KREUZER CONSULTING GROUP

CITY OF HUNTINGTON BEACH, a
municipal corporation of the State of
California

By: 

Rick Kreuzer
print name

ITS: (circle one) Chairman President Vice President

AND
By: 

Kelsey Jaap
print name

ITS: (circle one) Secretary Chief Financial Officer/Asst.
Secretary - Treasurer

Mayor

City Clerk

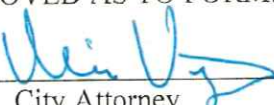
INITIATED AND APPROVED:

Director of Public Works

REVIEWED AND APPROVED:

City Manager

APPROVED AS TO FORM:



City Attorney *pe*

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CONSULTANT,
RAK DEVELOPMENT INC. DBA
KREUZER CONSULTING GROUP

CITY OF HUNTINGTON BEACH, a
municipal corporation of the State of
California

Mayor

By: _____

print name

ITS: (circle one) Chairman/President/Vice President

City Clerk

AND

INITIATED AND APPROVED:



Director of Public Works

By: _____

print name

ITS: (circle one) Secretary/Chief Financial Officer/Asst.
Secretary - Treasurer

REVIEWED AND APPROVED:

City Manager

APPROVED AS TO FORM:



City Attorney



EXHIBIT "A"

A. STATEMENT OF WORK: (Narrative of work to be performed)

Provide On-Call Civil Engineering and Professional Consulting Services. If Consultant chooses to assign different personnel to the project, Consultant must submit names and qualifications of these staff to City for approval before commencing work.

B. CONSULTANT'S DUTIES AND RESPONSIBILITIES:

See Attached Exhibit A

C. CITY'S DUTIES AND RESPONSIBILITIES:

1. Furnish Scope of Work and provide a request for proposal for each project.
2. City shall issue a task order for each project based upon scope of services, work schedule, and fee proposal submitted.

D. WORK PROGRAM/PROJECT SCHEDULE:

A project schedule will be developed for each project assigned by the City.

EXHIBIT A



KREUZER CONSULTING GROUP

March 13, 2025

City of Huntington Beach
Public Works Department
2000 Main Street
Huntington Beach, CA 92648

RE: Qualifications to Provide On-Call General Civil Engineering and Surveying Services

To whom it may concern,

The Kreuzer Consulting Group (KCG) appreciates the opportunity to present our qualifications for the subject on-call contract. Our firm is uniquely qualified for this assignment for two reasons. One, we are completely committed to the public works sector. We are a small company led by seasoned individuals that are completely devoted to providing quality planning and design services to Southern California municipalities; Two, we have significant experience serving as on-call consultants to Southern California municipalities. Currently, we have active on-call engineering with the following agencies: Huntington Beach, Irvine, Tustin, Gardena, Newport Beach, Stanton, San Juan Capistrano, Arcadia, San Clemente, Brea, Signal Hill and Culver City. We have formatted this proposal to address all of the items outlined in the RFQ and have limited our response to 20 pages, including the cover letter herein and excluding the enclosed forms, table of contents and appendix. We take no exceptions to the sample contract provided with the RFQ and can meet all insurance requirements outlined therein. All work will be completed in our Irvine office at the address denoted below.

These qualifications have been prepared in conformance with the RFQ dated February 4, 2025 and Questions and Answers dated February 20, 2025. Our proposed billing rates contained in the sepearae fee schedule shall remain valid for the duration of the on-call contract.

As the President and CEO of the firm, I am authorized to sign on behalf of the company. Thank you for the opportunity to submit these qualifications. If you have questions or require additional information please do not hesitate to call.

Respectfully Submitted,

Rick Kreuzer, P.E.

President

Disciplines of Civil Engineering Services Application Form

Circle all that apply

Civil Engineering Service Area	Bidding? Y/N (circle)
• Water/Sewer/Storm Water Engineering	Yes / <input checked="" type="radio"/> No
• General Civil Engineering	<input checked="" type="radio"/> Yes / No
• Ocean Engineering	Yes / <input checked="" type="radio"/> No
• Environmental/Water Quality	Yes / <input checked="" type="radio"/> No

REQUEST FOR PROPOSAL
VENDOR APPLICATION FORM

TYPE OF APPLICANT: ☐ NEW ☒ CURRENT VENDOR

Legal Contractual Name of Corporation: RAK Development Inc dba Kreuzer Consulting Group

Contact Person for Agreement: Rick Kreuzer, PE

Corporate Mailing Address: 18872 MacArthur Blvd., Suite 210

City, State and Zip Code: Irvine, CA 92612

E-Mail Address: rick@kreuzerconsulting.com

Phone: 714-656-0160 Fax: 714-656-0165

Contact Person for Proposals: Rick Kreuzer

Title: President E-Mail Address: rick@kreuzerconsulting.com

Business Telephone: 714-656-0160 Business Fax: 714-656-0165

Year Business was Established: _____

Is your business: (check one)

☐ NON PROFIT CORPORATION ☒ FOR PROFIT CORPORATION

Is your business: (check one)

<input checked="" type="checkbox"/> CORPORATION	<input type="checkbox"/> LIMITED LIABILITY PARTNERSHIP
<input type="checkbox"/> INDIVIDUAL	<input type="checkbox"/> SOLE PROPRIETORSHIP
<input type="checkbox"/> PARTNERSHIP	<input type="checkbox"/> UNINCORPORATED ASSOCIATION

Names & Titles of Corporate Board Members

(Also list Names & Titles of persons with written authorization/resolution to sign contracts)

Names	Title	Phone
Rick Kreuzer	President/CEO	714-656-0144
Kelsey Jaap	Secretary	714-656-0160

Federal Tax Identification Number: 68-0579985

City of Huntington Beach Business License Number: N/A
(If none, you must obtain a Huntington Beach Business License upon award of contract.)

City of Huntington Beach Business License Expiration Date: N/A

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SECTION A - BACKGROUND AND PROJECT SUMMARY

The Kreuzer Consulting Group (KCG) has been one of Huntington Beach's on-call civil engineering consultants since 2021. Over the last 4 years, we have completed the following projects for the City:

- ❖ Blufftop Park Pedestrian, Bike Trail and ADA Improvements
- ❖ Humboldt Bridge Civil Improvements
- ❖ Pacific Coast Highway Relinquishment Study
- ❖ Pacific Coast Highway Opportunity Plan
- ❖ Zone 1 Survey Monumentation Restoration
- ❖ Zone 2 Survey Monumentation Restoration

Our firm, and team of subconsultants, have the skills and expertise to address all of the technical elements under the General Civil Engineering Category in the RFQ, summarized as follows:

- *Street Widening Improvement Projects*
- *Street Rehabilitation Improvement Projects*
- *City Facility Projects including ADA Parking Lot and site grading Improvements*
- *All aspects of NPDES compliance, including WQMP's SWPPP's and field inspections*
- *Construction and Bidding Support*
- *Provision of Record Drawings*
- *Geotechnical Reports (Subconsultant)*
- *Landscape Architecture (subconsultant)*
- *Bridge Structural Design (subconsultant)*
- *Field Survey services including, but not limited to, horizontal/vertical control, topographic surveys, cross sections, aerial mapping control, boundary surveys, centerline surveys and ties, corner records, records of survey and construction staking*
- *Right of Way services including, but not limited to, legal descriptions and plats, tentative and final subdivision maps, and procurement and review of Preliminary and Final Title Reports*

KCG currently provides similar on-call engineering services to 12 agencies, including the City of Huntington Beach. We understand the nature of on-call contracts and the responsiveness and quality – focused approach required to deliver these projects in a timely, efficient manner.

SECTION B – METHODOLOGY

B1 – Firm Overview and Approach

The Kreuzer Consulting Group (KCG) is a firm comprised of individuals who have spent their entire professional careers serving the public sector in Southern California.

We are led by our President, Rick Kreuzer, who has 40+ years of experience in the Public Works engineering industry. Our firm is a small firm which can provide a broad range of services to our clients. We currently have active on-call engineering contracts with multiple departments in the City of Anaheim, as well as with the Cities of Long Beach, Tustin, Brea, San Juan Capistrano, San Clemente, Arcadia, Lake Forest, Newport Beach, Stanton, Gardena, Downey, Culver City and Huntington Beach.

We also maintain strong relationships with subconsulting support firms that share our philosophy of hands-on principal involvement on all projects. Depending on a particular project's needs, our team would include some, or all, of the following subconsultants:

- *Rende Consulting – Structural Engineering*
- *Clark & Green – Landscape Architecture*
- *Harrington Geotechnical – Geotechnical*

KCG has worked extensively with these firms on past projects with great success.

Our in-house staff are second to none. Their credentials as well as a detailed description of the wide range of projects we have delivered over the years are summarized in Sections C and D of these qualifications.

Our experience will translate to value for the City of Huntington Beach. Based upon our firm's extensive public works design experience, we believe the key issues for successful completion of on-call design projects center around the following key areas.

❖ *Effective Project Management*

There is no doubt that all proposing firms will tout their abilities to effectively "manage" a project. Unfortunately, many firms believe if they stay somewhat on schedule and submit their invoices on time they have been "effective" managers. We at KCG do not subscribe to this. Our core business philosophy is centered around effective management of all of our projects with the goal of making our clients' jobs easier. The cornerstone goal of this philosophy is to "get out and stay out in front of the issues" on each and every project. We feel very strongly that our clients hire us for an assignment; it is our obligation to bring it to a successful completion without having our hands held or being reliant on City staff to do our job for us. We know that cities have this hand-holding experience with consultants too frequently... KCG will not allow this to take place on this or any project. The way we achieve this objective is by providing seasoned engineers that are also effective managers, not only because they understand the project process but because they

understand the technical background of the design itself. We can anticipate issues faster than those managers who are reliant on younger design engineers to keep them informed. This disconnect cannot and will not happen at KCG because our Project Managers have hands on day to day involvement in the project design. Our Project Manager for the subject project will be Rick Kreuzer. Mr. Kreuzer is the President of KCG and has 40 years of experience managing and designing public works projects. Over the last 15 years, he has personally managed and/or designed over 50 roadway and public works infrastructure improvement projects for Southern California cities.

❖ ***Proactive Utility Coordination***

Utility coordination is an element that, if not properly addressed and managed, can significantly effect a project schedule and budget. This work task is much more than gathering record drawings and plotting them on the plans. The success of this task is proactively managing the relationship with all utility agencies involved. It certainly requires the establishment of the existing location of utilities as a first step but the real key is identifying the impacts to these facilities early on in the design process and coordinating proactively with the affected agency staff/service planners to mitigate those impacts and facilitate needed relocations. Overlooking or addressing utility impacts late in the design process usually results in schedule overruns and cost increases during construction.

❖ ***NPDES Expertise***

Water quality requirements have become a critical component of projects over the last decade. Successful delivery of a project requires a firm that understands this reality and can deliver the permits required. KCG's stormwater specialist, Chris Becker, has a thorough understanding of the City's plans for long-term pavement maintenance and rehabilitation, while maintaining strict compliance with today's stringent water quality regulatory environment. He is a seasoned stormwater compliance expert that specializes in the municipal sector. He is a California Certified/Qualified SWPPP Practitioner (QSP) and Qualified SWPPP Developer (QSD). KCG can turn-key all storm water compliance needs from site assessment, to report preparation, to site inspections and monitoring. We have a working knowledge of the complex California General Stormwater Permit for New Construction and are currently performing work for many cities, Caltrans and several developers and general contractors.

❖ ***Focus and Experience***

KCG's primary core business is civil design. Our staff has delivered successful street widening and rehabilitation and utility projects all around Southern California for the last two decades. We understand the design subtleties associated with public works design projects in urban settings. Moreover, we provide in house experience in the complementary functions, namely water quality and community outreach, that have become so integral to the successful delivery of projects in today's world. This experience and focus will translate to value, via cost effective design, to the City of Huntington Beach.

❖ ***On-Call Experience***

The nature of on-call contracts requires a firm to be nimble and responsive. We are a small firm that prides ourselves on providing these qualities to our clients. This is evidenced by the number of active on-call contracts we maintain with other public agencies.

❖ ***Project Quality and Delivery***

Simply put, the ultimate success of a project is determined by ***the delivery of a quality design delivered on schedule***. The following pages describe the tools and approaches KCG implements to insure that these objectives are achieved on all of our projects.

B2 – Project Controls and Project Delivery Process

Once a project is identified, the KCG Project Manager will meet with the City Project Manager or designated staff member responsible for the project to discuss the proposed scope of work, projected schedule, and estimated costs required to complete the detailed work. The KCG Team will not begin work on a project until a work order has been approved. Upon concurrence of all work order details, the City will issue the work order, and the KCG Team will begin the designated tasks.

The KCG Team, together with its supporting subconsultants, will provide the City with the resources necessary to successfully deliver the projects at hand. The following are the project controls we employ to deliver each project assignment.

- ❖ **Schedule Control:** KCG has extensive experience in managing projects through such automated scheduling tools such as Microsoft Project and Primavera. The KCG Project Manager will coordinate with the City Project Manager to determine the most appropriate scheduling software for this project. A monthly status of each project schedule will be provided and impacts to other project tasks will be noted if there are delays. Any delays or schedule modifications will be discussed with the City Project Manager and recommendations will be given for maintaining the overall schedule.
- ❖ **Cost Control:** KCG is committed to controlling costs through regular and timely discussions of work efforts and project accomplishments. KCG will utilize automated project accounting tools to ensure project completion within budget. Before the start of the project, a detailed scope of work will be established where tasks and subtasks are identified and a “per-task” budget will be estimated. Project team members will develop a scope of work that minimizes project cost, while ensuring a high-quality product. The KCG Team Project Manager will discuss with the City Project Manager key elements of the project budget and work scope before the project begins. In this way, unforeseen costs and potential delays will be minimized.

❖ **Resource Allocation Tracking:** Time spent on projects is recorded electronically on an integrated time sheet application for each work day and integrated into an automated tracking system. From the computerized system, the Project Manager can, at any time, obtain a detailed Project Progress Report that shows the amount of time spent per person, as well as the budget-per-task, year-to-date, and project-to-date. Expense sheets for professional services and expenses (from direct costs such as equipment, materials, and subcontractor services) are prepared weekly. These tools allow KCG to proactively manage the project delivery process and identify potential schedule and budget issues before they become a problem. We can also provide the City with a Work Breakdown Schedule (WBS) for both manhours and costs which assists us with managing the flow of work and provides the City with anticipated monthly project cash flows for the entire project duration

❖ **Quality Assurance/ Quality Control:** At KCG, we believe our “uniqueness” comes from our belief that quality control is rooted in the philosophy by which you conduct your business. It is true that quality can be monitored and controlled to some degree via checklists and independent reviews, but a true “quality” product comes from a firm’s commitment to excel for their clients. Do they care about their product? KCG does. Do they have experienced staff overseeing or doing the work every step of the way? KCG will. Do they want the next job? KCG does. Are they staying out in front of the issues and “leading” the project? KCG will. Quality is a culture within a company...you either have it or you don’t. This philosophy manifests itself in how we systematically approach QA/QC. This is a cornerstone element of KCG’s overall approach to the management and control of our work. The graphic on the following page depicts KCG’s approach to QA/QC on all of our projects.

All projects require a collaborative approach between our PM and team and the client. That said, we pride ourselves on being “low maintenance” and delivering successful projects with minimal supervision and oversight. This is the result of providing a solid team that is lead by a very experienced Project Manager. Typically, we will require the following assistance from City Staff regarding our work effort:

- *Provision of record drawings and as-builts*
- *Coordination support with other City departments, as needed*
- *Payment of outside permit fees (i.e. Caltrans)*
- *Timely review of project submittals*

At KCG, we pride ourselves on the quality of our work product. We encourage the City of Huntington Beach to contact our past and current clients regarding this claim.

KCG QA/QC APPROACH

Strong and Effective Management by the Project Manager

- Serve as the primary contact with Client and other agencies.
- Manage the consultant team. Enforce effective communication.
- Control the flow of communication.
- Exercise decision-making authority for the entire team.
- Meet and thoroughly fulfill all contractual and technical/professional requirements. Be responsible for product quality and timely delivery.
- Attend and/or chair all progress meetings.
- Be proactive.
- Encourage thinking outside the box.

Progress Status Monitoring

- Conduct Progress Meetings with Client and other external agencies at specified times as needed.
- Conduct team meetings:
 - Prepare monthly progress reports
 - Status summary exhibits on cost and schedule
 - Discussions on past/schedule activities
 - Status of meetings and action items
- Prepare meeting minutes and promptly distribute to all parties. Include:
 - List of attendees
 - Purpose and objectives of the meeting
 - Summary of the discussions
 - Decisions reached
 - Action items and the respective responsible entity/individual

Management & Control of the Work

Project Control

- Initiate project control system.
- Constantly monitor the overall project schedule as well as specific schedules of principal and critical activities.
- Constantly monitor internal labor and direct costs.
- Monitor subconsultant costs.
- Alert Client of potential impacts to cost and/or schedule and propose solutions.
- Furnish invoices in a timely manner to Client. Monitor subconsultant invoices.
- Monitor project record keeping (project files, meeting minutes, etc.).

Quality Assurance / Quality Control

- Documents will be comprehensively checked at one or more milestones before they are completed.
- A senior person not associated with the project will check all documents before they are submitted.
- One person will check all critical dimensions.
- The person responsible for the drawings will review the text, and the writer will review the drawings, insuring adequate cross checking.
- The Project Manager will review all documents produced by other contributors to insure overall project coordination.
- Apply TQM principles - DO IT RIGHT THE FIRST TIME.
- Conduct Independent Reviews, as warranted.

SECTION C - STAFFING

Our team organization is depicted on Exhibit A below. KCG's president, Rick Kreuzer, PE, will be the Project Manager as well as the Principal in Charge. He will be the single point of contact with the City of Huntington Beach, and will have the authority to act on behalf of the firm regarding all contractual, project performance and quality matters.

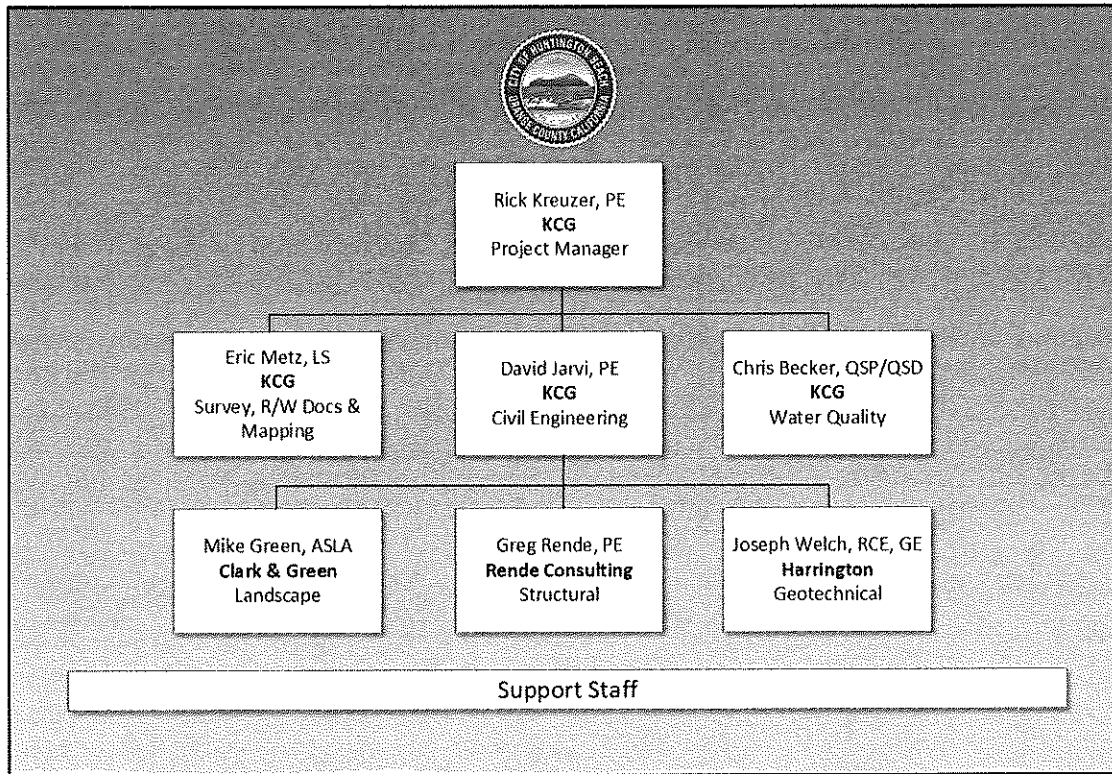


Exhibit A – KCG Team

Mr. Kreuzer is a registered civil engineer in the State of California with 40+ years of professional experience. The unique aspect of Mr. Kreuzer's experience is that he has spent his entire professional career as an owner of (or working for) small firms which means he has been, and continues to be, a very involved and hands-on Project Manager. He is not a delegator or glorified principal but is "on the boards" and intimately involved with the day to day design aspects of his projects. We believe this attribute is a real value to our clients and is the cornerstone operating philosophy of our company.

Assisting Mr. Kreuzer with the day to day design of the project will be **Mr. David Jarvi**. Mr. Jarvi has been Mr. Kreuzer's right hand man for the last two decades including all of the on-call assignments referenced herein. He is a registered Civil Engineer with 24 years of experience. He is proficient with the use of AutoCAD software and has a thorough understanding of City standards, design criteria and plan formatting requirements. He is also well versed with Civil 3D design software.

Chris Becker, QSP is KCG's Storm Water Quality expert. Mr. Becker has 31 years of professional experience in the public works industry. He is a Qualified SWPP Developer and Practitioner (QSD/QSP), Certified Professional in Erosion and Sediment Control and Certified Sediment and Storm Water Quality Management Plans (WQMP), Storm Water Pollution Prevention Plans (SWPPP) and Caltrans Storm Water Data Reports (SDR).

The strength of our on-call team will be further enhanced by our subconsultants. These individuals/firms were handpicked based upon two key criteria. One, KCG staff had worked cooperatively and successfully with them in the past; and two, they employ KCG's philosophy of providing hands on principle involvement on their projects. The following provides a brief summary of the qualifications for our key subconsultant personnel.

Subconsultants

KCG utilizes the same subconsultant firms on all of our projects. These firms share our philosophy of hands-on principal involvement on all projects. Depending on the needs of a particular project or assignment, KCG would utilize the services of some or all of the following subconsultants:

Greg Rende, PE
Rende Consulting
Structural

- ☒ Current Projects with KCG
- ☒ Past Projects with KCG

Mr. Rende is KCG's structural engineer. He has 30 years of experience on all aspects of structural design including pedestrian highway and roadway bridge structures, building modifications, retaining walls and flood control structures.

Mike Green, ASLA
Clark & Green Associates
Landscape Architecture

- ☒ Current Projects with KCG
- ☒ Past Projects with KCG

Mr. Green has 43 years of experience. During his career, Mr. Green has worked with the City of Westminster Planning Department and the Port Authority for the City of Long Beach in Environmental Impact Research Preparation and Risk Management Assessment. In 1986, he and his partner, Bob Clark, formed Clark & Green Associates. Mr. Green has specialized in community residential projects and public streetscapes with an emphasis on water management, conservation and sustainable landscape design. He has received multiple ASLA awards for his design work over the years. Mr. Green has multiple roadway widening projects with KCG, including the Brookhurst Street and Orangewood Avenue Improvements in the City of Anaheim.

Joseph Welch, PE, GE
Harrington Geotechnical
Geotechnical

- ☒ Current Projects with KCG
- ☒ Past Projects with KCG

Joseph Welch, PE, GE, Geotechnical Engineer, is a registered civil and geotechnical engineer in California with 45 years of experience. Mr. Welch is a graduate of West Point and holds a master's degree in civil engineering from George Washington University. His responsibilities include geotechnical engineering, laboratory management, and expert witness.

Table 1 below provides a synopsis of the KCG team's key personnel registrations, experience and overall project availability.

TABLE 1 – TEAM MEMBER QUALIFICATIONS / AVAILABILITY SYNOPSIS							
Name	Firm	Project Responsibility	Years of Experience	Education	California License Type/No	Experience Working on Similar Projects	% Available
Rick Kreuzer	KCG	Project Manager	41	BS	PE/42407	✓	40%
David Jarvi	KCG	Project Engineer	24	BS	PE/66792	✓	50%
Chris Becker	KCG	Water Quality	31	BS	QSP/24431	✓	30%
Eric Metz	KCG	Survey & R/W	23	AA	LS/9198	✓	25%
Greg Rende	RCG	Structural	30	BS	PE/54529	✓	30%
Mike Green	C&G	Landscape Architecture	43	BS/MS	RLA/2311	✓	20%
Joseph Welch	Harrington	Geotechnical	45	BS/MS	RGE/2239 RCE/04023 6	✓	20%

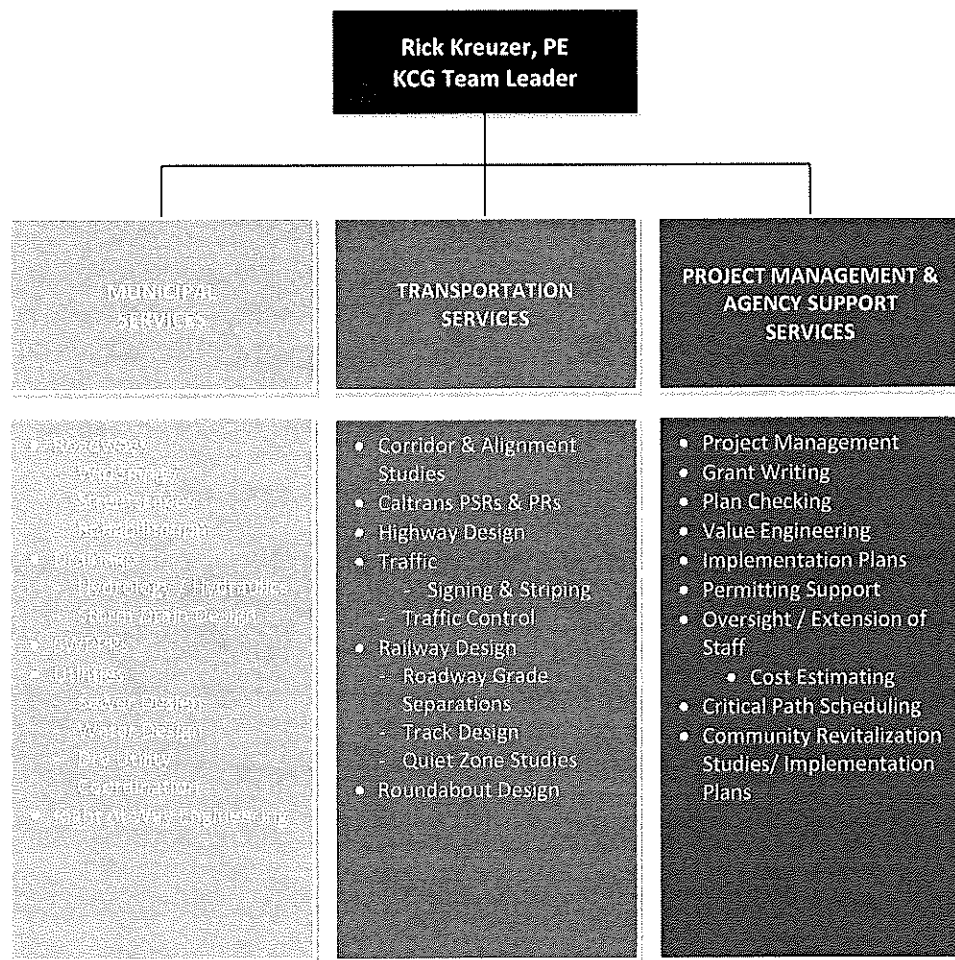
Our approach to delivering projects will be the one we have used with a multitude of cities for the past 25 years which consists of providing an experienced Project Manager who is "hands-on" with the day to day design elements of the project and who proactively manages a team of subconsultants who share the same commitment of providing seasoned firm principals to direct and manage their work. All of the subconsultants on our team have worked extensively with KCG on past projects. We know what to expect of each other and are fully committed to delivering quality work.

Personal resumes for these KCG team members are included in the Appendix to these qualifications.

SECTION D - QUALIFICATIONS

BACKGROUND: The Kreuzer Consulting Group (KCG) is a California corporation. We were formed on July 1, 2004 by our president and founder, Rick Kreuzer. Mr. Kreuzer has spent his entire 40+ year professional career as a civil engineering design consultant serving the public sector. We are based in Irvine, California and maintain a staff size of 12.

SERVICES: Municipalities, counties, and public agencies as a whole, face diverse challenges when planning and implementing improvements to public infrastructure. Public planning issues, environmental constraints, and the concerns of local residents all have the potential to impact a project's bottom line. KCG has created a network of resources, both in-house and through long-standing relationships with quality subconsultants, to provide clients with "one-stop shopping" in all of the technical disciplines necessary to address these issues. Services provided by the KCG team include:



KCG staff have worked extremely hard over the years to establish the firm's reputation as engineers who will "go the extra mile" for our clients. We are proud of this reputation.

RELEVANT EXPERIENCE: A big part of our firms practice includes the provision of design services through on-call engineering contracts. The following summarizes our current on-call design services contracts:

- | | |
|-----------------------------------|--------------------------------------|
| ❖ <i>City of Huntington Beach</i> | ❖ <i>City of Tustin</i> |
| ❖ <i>City of Gardena</i> | ❖ <i>City of Brea</i> |
| ❖ <i>City of Anaheim</i> | ❖ <i>City of San Juan Capistrano</i> |
| ❖ <i>City of Culver City</i> | ❖ <i>City of Newport Beach</i> |
| ❖ <i>City of San Clemente</i> | ❖ <i>City of Lake Forest</i> |
| ❖ <i>City of Stanton</i> | ❖ <i>City of Signal Hill</i> |
| ❖ <i>City of Arcadia</i> | ❖ <i>City of Irvine</i> |

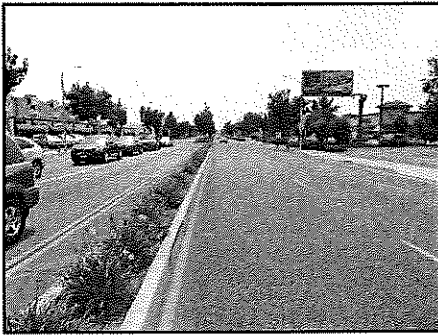
We are familiar with the nature of on-call contracts. We are flexible, and through the team proposed herein, will provide a design team that is customized and has the resource capabilities to handle any project assignment put before us.

KCG is proposing to provide on call services for the range of service and technical elements summarized in the RFQ for the General Civil Engineering discipline. The following pages provide a broad range of recent and ongoing KCG projects that included all of these technical elements. Each of the referenced projects includes a brief overview along with the additional project details.

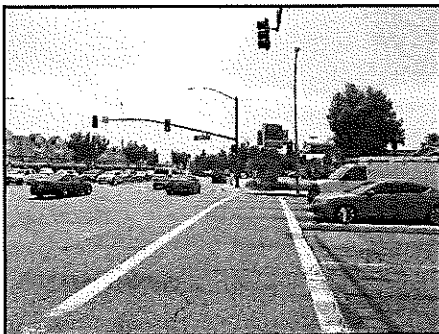
Our summary of five references are included on the required References Form contained in the Appendix of these qualifications.

IMPERIAL AND PARAMOUNT INTERSECTION IMPROVEMENTS

Downey, CA



Prime Consultant: Kreuzer Consulting Group
Project Manager: Rick Kreuzer, PE
Firm Role: Project Management & Civil Engineering
Support Staff: David Jarvi, PE
KCG Contract Value: \$300 K
Construction Value: \$4 M
Design Completed: Ongoing (2025)
Construction Completed: Pending (2026)
Construction CO: N/A
Contracting Agency: City of Downey
References: Ed Norris-Deputy Director of Public Works
(562) 904-7110



This project includes the design of the following improvements at the Imperial/Paramount intersection:

- Dual left turns southbound on Paramount
- Dual left turns westbound on Imperial
- Widening the southwest corner to allow for northbound U-turns on Paramount

In addition to the roadway geometry required for these widening improvements, the project also includes the following other enhancements:

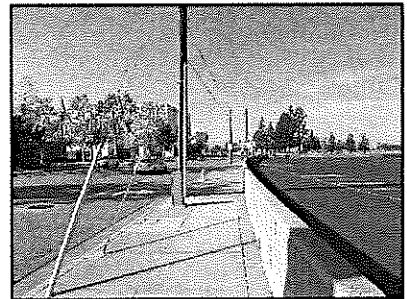
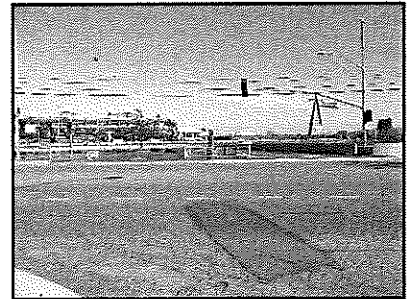
- *Reconstruction of all 4 legs of the intersection with concrete pavement. The limits of concrete will be approximately 300 feet for intersection approaches and 50 feet for departures.*
- *Reconstruction of the entire intersection with concrete pavement*
- *Construction of decorative crosswalks*
- *Reconstruction of all access ramps, sidewalk and driveways to meet ADA standards*
- *Implementation of custom City bus shelters*
- *Modifications to the existing traffic signal*
- *New signing and striping*
- *Utility adjustments and relocations*
- *Minor modifications to existing landscaping and irrigation*

The project also required partial right of way acquisition and TCE's for four (4) adjacent properties.

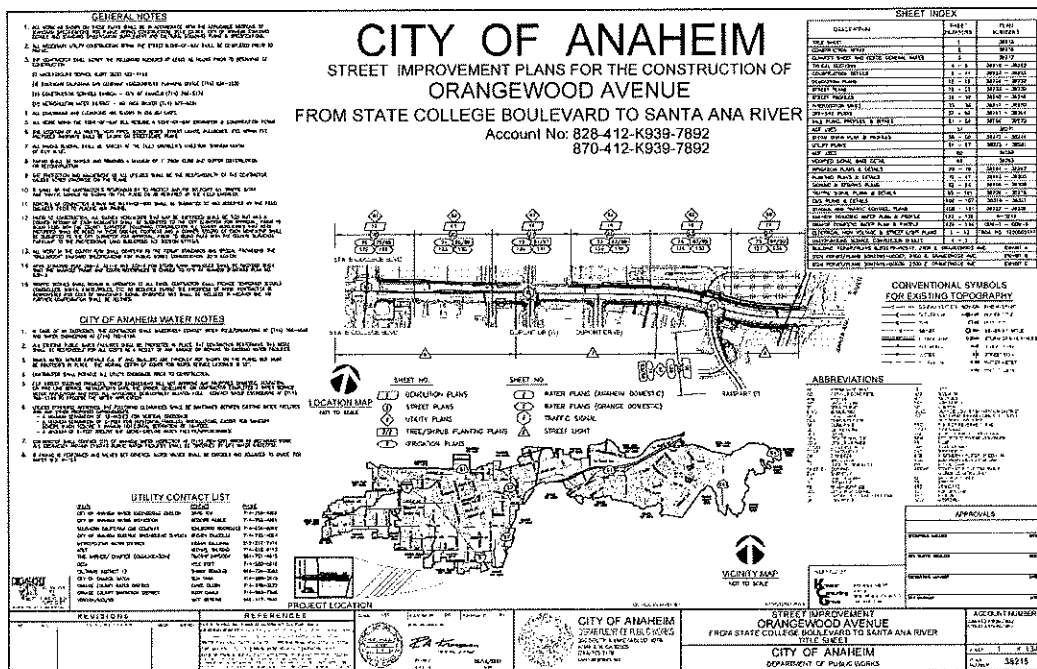
ORANGEWOOD AVENUE IMPROVEMENTS

Anaheim, CA

Prime Consultant: Kreuzer Consulting Group
Project Manager: Rick Kreuzer, PE
Support Staff: David Jarvi, PE & Daniel Perez
Firm Role: Project Management & Civil Engineering
KCG Contract Value: \$700,000
Construction Value: \$14M (Bid \$13.8 M)
Final Construction Cost: N/A
Construction CO: None to Date
Design Completed: 2022
Construction Completed: Ongoing (2025)
Contracting Agency: City of Anaheim, CA
References: Edgar Garcia 714-765-4433



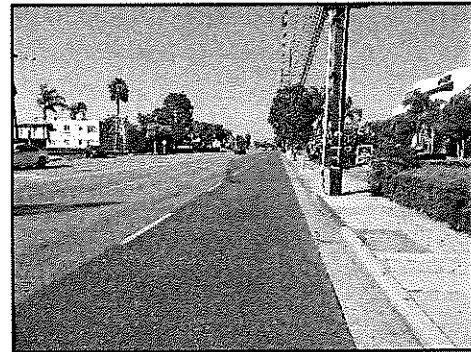
KCG completed the final design for the widening of Orangetown Avenue from State College Boulevard to the Santa Ana River, a distance of approximately 3,000 lineal feet. This project includes roadway widening, structural retaining walls, new landscaping and extensive utility design including new storm drains and domestic and recycled water lines, significant off-site improvements and partial right of way acquisition from ten (10) properties. This project also required extensive traffic control plans and the preparation of a comprehensive Water Quality Management Plan (WQMP).



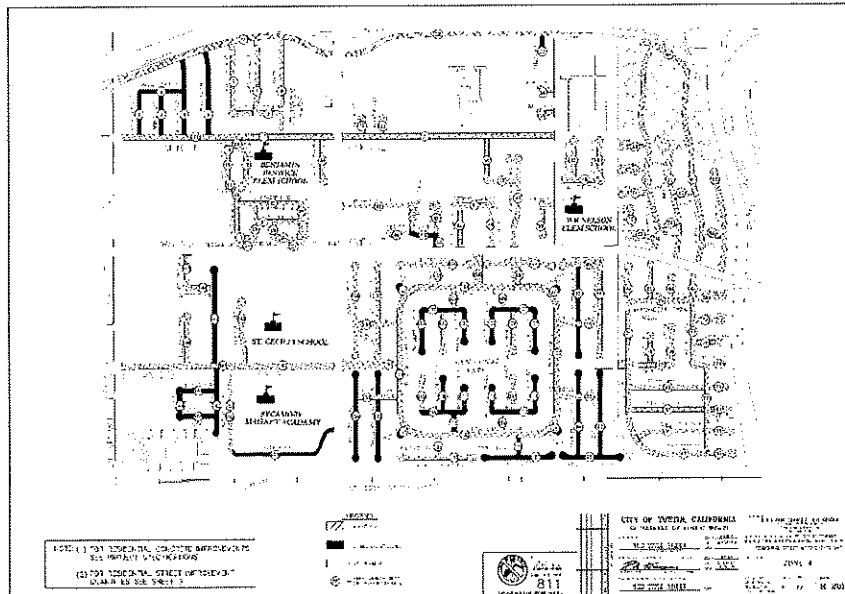
TUSTIN ZONE 4 STREET IMPROVEMENTS

Tustin, CA

Prime Consultant: Kreuzer Consulting Group
Project Manager: Rick Kreuzer, PE
Support Staff: Leo Joson
Firm Role: Project Management & Design
KCG Contract Value: \$120,000
Construction Value: \$5.3M (Bid = \$5.2 M)
Final Construction Cost: \$5.3M
Construction CO: None
Design Completed: 2023
Construction Completed: 2024
Contracting Agency: City of Tustin
References: Eric Johnson
 Principal Engineer
 (714) 573-3320
 ejohnson@tustinca.org

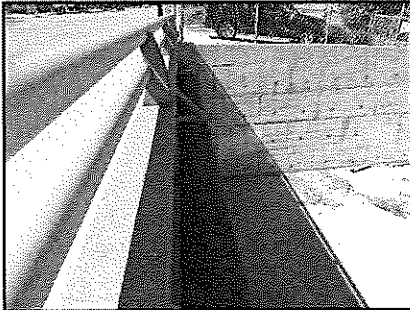


Zone 4 is an area bounded by Nisson Road on the north, Tustin Ranch Road on the East, Edinger Avenue on the south and Newport Avenue on the west. Within this zone there are 9 miles of residential and arterial streets. KCG completed design for these streets which included a variety of treatments including slurry seals, mill and overlays and full reconstruction. The project also included a complete field review of all streets to identify removal and replacement of damaged curb and gutter, sidewalk and driveways. KCG also completed an assessment of all existing curb access ramps for ADA compliance and provided design details for all ramps that required reconstruction.

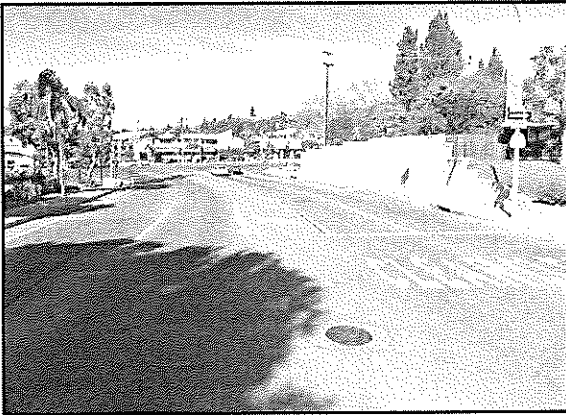


CENTRAL AVENUE STREET AND WATER LINE IMPROVEMENTS

Brea, CA



Prime Consultant: Kreuzer Consulting Group
Project Manager: Rick Kreuzer, PE
Support Staff: David Jarvi, PE
Firm Role: Project Management & Civil Engineering
KCG Contract Value: \$350 K
Construction Value: \$7 M
Design Completed: 2024
Construction Completed: Pending/ 2026
Construction CO: N/A
Contracting Agency: City of Brea
References: Ryan Chapman
City Engineer
(714) 990-7763
ryanch@ci.brea.ca.us



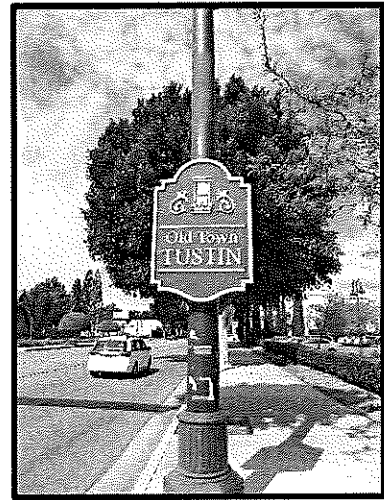
The project includes the design of a new 12" water line on Central Avenue between Roscoe Street and Blossom Place, a distance of approximately 8,600 lineal feet. The project will also include coordination with and permitting through the City of La Habra and the County of Orange. These water line improvements plans will be packaged and bid along with street improvement plans KCG is designing for Central Avenue between Palm Street and Lambert Road, a total distance of approximately 14,000 lineal feet. Together these project improvements will consist of the following improvements:

- *8,600 feet of new 12" C900 PVC water line*
- *New water line cross connections at 6 intersections*
- *Abandonment and/or removal of approximately 9,000 feet of existing cast iron water pipe*
- *Suspension of new water line from Brea Canyon Channel bridge structure*
- *Rehabilitation of approximately 2.6 miles of existing roadway consisting of a combination of mill/overlay and total reconstruction*
- *Reconstruction of damaged curb, gutter and sidewalk*
- *Reconstruction of eighteen (18) access ramps for ADA compliance*
- *Pavement striping and markings*
- *Full traffic control to facilitate construction of the improvements above*

DOWNTOWN TUSTIN STREETScape ENHANCEMENTS

Tustin, CA

Prime Consultant: Kreuzer Consulting Group
Project Manager: Rick Kreuzer, PE
Support Staff: David Jarvi, PE & Robbie Kreuzer
Firm Role: Project Management & Civil Engineering
Contract Value: N/A
Construction Value: \$12 M (Estimate)
Design Completed: 2024
Construction Completed: Pending (2026)
Contracting Agency: City of Tustin
References: Eric Johnson
Principal Engineer
(714) 573-3320
ejohnson@tustinca.org

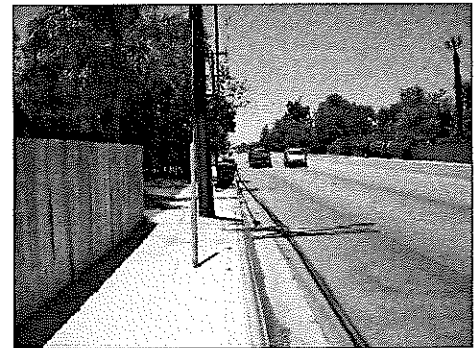


KCG is completing preliminary and final design for improvements in the Old Town Historic District in the City of Tustin. These improvements including the narrowing of Main Street to implement a more “complete street” consisting of a more balanced vehicular/pedestrian/bicycle facility on main street and the construction of a series of “parklets” along El Camino Real to provide additional open space and facilitate the expansion of outdoor dining venues for local restaurants.

BROOKHURST STREET WIDENING PHASE 1

Anaheim, California

Prime Consultant: Kreuzer Consulting Group
Project Manager: Rick Kreuzer, PE
Support Staff: David Jarvi, PE
Firm Role: Project Management & Civil Engineering
Contract Value: \$600 K
Construction Value: \$ 18 M
Final Construction Cost: \$17.8 M
Design Completed: 2018
Construction Completed: 2020
Contracting Agency: City of Anaheim
References: Edgar Garcia
Principal Engineer
714-765-4433
egarcia2@anaheim.net



KCG completed preliminary engineering, environmental clearance, project report and final PS&E for this one mile long widening project in the City of Anaheim. This project involved the widening of Brookhurst Street from 4 to 6 lanes between Katella Avenue and Ball Road, a distance of 1 mile. This project included the acquisition of 21 residential properties and 3 part takes of commercial property. This project included extensive sound wall improvements which were designed as CIDH pile foundation walls along the entire east side of the alignment. The project also included extensive storm drain design and utility coordination efforts and interfacing with Union Pacific Railroad (at-grade crossing improvements) and the County of Orange.

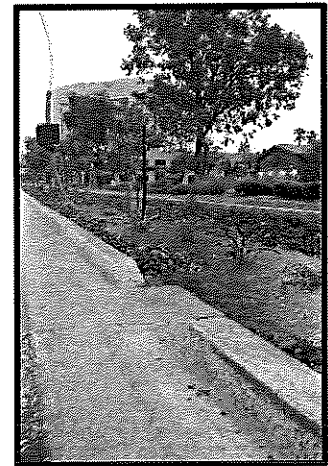
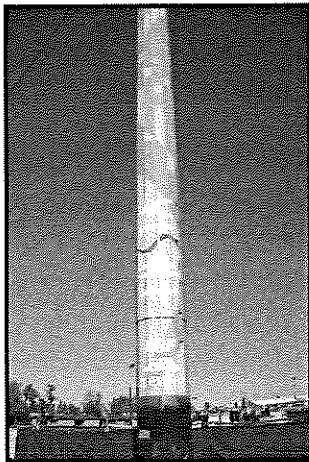
SOUTHERN AVENUE STREETScape IMPROVEMENTS

Mesa, Arizona



KCG was the prime consultant for the final design of corridor improvements to Southern Avenue from Alma School Road to Sycamore Street, a distance of approximately 1.2 miles. This project's construction was completed using the CMAR process. This project included narrowing Southern Avenue from 6 to 4 lanes and construction of wider pedestrian parkways along with drainage, traffic signal and utility undergrounding improvements. KCG was assisted by J2 Engineering (landscape/ hardscape), Wright Engineering (lighting and traffic signals), MakPro (public outreach), and RAMM (geotechnical) on the project design. As depicted below, the KCG Team received an excellent rating in 13 of 14 categories and an overall rating of 98% for our performance of this project by the City of Mesa. In addition, the KCG Team received the ACEC "Project of the Year Award" for Arizona in 2020.

Prime Consultant: Kreuzer Consulting Group
Project Manager: Rick Kreuzer, PE
Support Staff: Chris Scott, PE & Robbie Kreuzer
Firm Role: Project Management & Civil Engineering
Contract Value: \$600,000
General Contractor: Haydon Corp.
Delivery Method: Construction Management @ Risk (CMAR)
Construction Value: \$20 M
Final Construction Cost: \$20 M (on budget)
Design Completed: June 2016
Construction Completed: March 2019
Contracting Agency: City of Mesa, AZ.
References: Marc Ahlstrom- Deputy City Engineer
(480)644-4622
marc.Ahlstrom@mesaaz.gov



BLUFFTOP PARK TRAIL IMPROVEMENTS

Huntington Beach, CA

Prime Consultant: Kreuzer Consulting Group
Project Manager: Rick Kreuzer, PE
Support Staff: Daniel Perez
Firm Role: Project Management & Civil Engineering
Contract Value: N/A
Construction Value: \$5 M
Design Completed: 2022
Construction Completed: 2023
Contracting Agency: City of Huntington Beach
References: Tom Herbel
City Engineer
(714) 375-5077
Tom.herbel@surfcity-hb.org

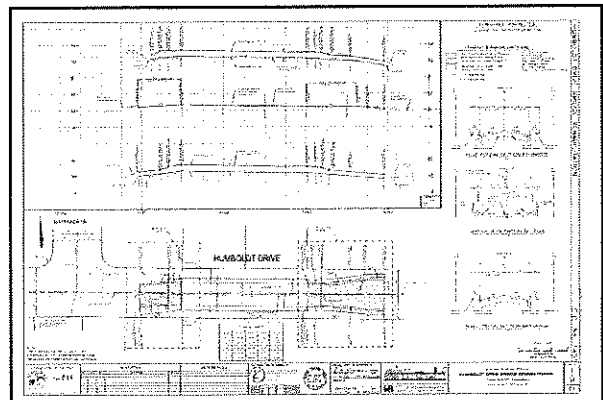


KCG completed design for the reconstruction of the beach trail along the bluff top west of PCH between Seapoint Street to 11th Street. The project included setting the trail alignment and preparation of trail, grading and striping plans as well as details for ADA compliant ramp connections at various location. The project also included coordination and permitting with Caltrans District 12 for the implementation of curbside sidewalk on the west side of Pacific Coast Highway.

Humboldt Bridge Improvements

Huntington Beach, CA

Prime Consultant: Kreuzer Consulting Group
Project Manager: Rick Kreuzer, PE
Support Staff: David Jarvi, PE
Firm Role: Civil Engineering
Contract Value: \$30 K
Construction Value: \$5 M (Estimate)
Design Completed: 2023
Construction Completed: Pending
Contracting Agency: City of Huntington Beach
References: Eduardo Cerda
Senior Civil Engineer
(714) 374-1750
Eduardo.cerda@surfcity-hb.org



KCG completed the street design and utility coordination for the replacement of the Humboldt Street Bridge over the canal in Huntington Harbor. This project included the development of plan and profile drawings, phasing plans, construction details and close coordination with City staff and the bridge engineering design consultant.

In addition to the featured projects above, KCG has completed street and a variety of public works infrastructure projects totaling in excess of **\$50 M** in construction value over the last 5 years, some of which are summarized as follows:

Project	Agency	Construction Cost
Balboa Peninsula Streets	Newport Beach	\$2 M
Duarte Road	Arcadia	\$1.1 M
State College Boulevard	Brea	\$1.0 M
Pioneer Street	Norwalk	\$900 K
Lambert Road	Brea	\$1.2 M
Lincoln Avenue	Anaheim	\$1.3 M
Del Amo Boulevard	Long Beach	\$1.5 M
Pacific Coast Highway	Dana Point	\$1.7 M
Main Street	Tustin	\$2.0 M
Huntington Drive	Arcadia	\$1.7 M
Santa Anita Road	Arcadia	\$500 K
Santa Clara Road	Arcadia	\$300 K
Jeffrey Road	Irvine	\$1.5 M
Main Street Improvements	Tustin	\$3.0 M
Ball Road	Anaheim	\$1.5 M
Williams Street	Tustin	\$600 K
Main Street	Tustin	\$3 M
Sabina Area	Anaheim	\$7 M
FY 19-20 Rehabs	Downey	\$2.6 M
Newport Ave	Tustin	\$1.6 M
Downtown Streets	Arcadia	\$3.4 M

Appendix

- ◇ Reference Form
- ◇ KCG Team Resumes

References of Work Performed Form

(List 5 Local References)

Company Name: Kreuzer Consulting Group

1. Name of Reference: City of Tustin

Address: 300 Centennial Way, Tustin, CA 92780

Contact Name: Eric Johson Phone Number: 714-573-3320

Email: ejohnson@tustinca.gov

Dates of Business: 2012-Present

2. Name of Reference: City of Brea

Address: 1 Civic Center Circle, Brea, CA 92821

Contact Name: Ryan Chapman Phone Number: 714-990-7763

Email: ryanch@ci.brea.ca.us

Dates of Business: 2015-Present

3. Name of Reference: City of Arcadia

Address: 240 W. Huntington Dr., Arcadia, CA 91107

Contact Name: Kevin Merrill Phone Number: 626-574-5481

Email: kmerrill@arcadiaca.gov

Dates of Business: 2015 - Present

4. Name of Reference: City of Anaheim

Address: 200 S. Anaheim Blvd., Anaheim, CA 92805

Contact Name: David Mori Phone Number: 714-765-5148

Email: dmori@anaheim.net

Dates of Business: 2004- Present

5. Name of Reference: City of Downey

Address: 11111 Brookshire Ave., Downey, CA 90241

Contact Name: Fabian Aoun Phone Number: 951-743-5208

Email: faoun@downeyca.org

Dates of Business: 2017-Present



KREUZER CONSULTING GROUP

RICK KREUZER, P.E.



*University of California, Irvine,
1983*

*Certificate Program in
Construction Management,
American Society of Civil
Engineers, 1987*

AFFILIATION:

*American Society of Civil
Engineers*

*Institute of Transportation
Engineers*

REGISTRATION:

*Registered Civil Engineer
(California & Arizona)*

*Registered Civil Engineer
(Arizona)*

Mr. Kreuzer, the founder and President of KCG, has 40 years of experience managing complex transportation and civil projects. His strength is managing multi-disciplined teams on projects which require innovative solutions and hands-on principal involvement. He is the President of the Kreuzer Consulting Group (KCG).

PROJECT EXPERIENCE:

Project Manager for on-call contracts with the following agencies:

- ❖ City of Anaheim
- ❖ City of Irvine
- ❖ City of Tustin
- ❖ City of Lake Forest
- ❖ City of Brea
- ❖ City of Long Beach
- ❖ City of Newport Beach
- ❖ City of San Juan Capistrano
- ❖ City of Gardena
- ❖ City of Culver City
- ❖ City of Downey
- ❖ City of San Clemente
- ❖ City of Huntington Beach
- ❖ City of Stanton

City of Huntington Beach Projects: Mr. Kreuzer has served or is currently serving as the Project Manager for the following City Projects:

- On-Call Services
- Humbolt Bridge Civil Design
- Survey Monumentation Phase 1
- Survey Monumentation Phase 2
- Blufftop Park Bike/Pedestrian Trail
- Pacific Coast Highway Relinquishment Study
- Pacific Coast Highway Opportunity Plan

Disneyland Resort Area Improvements: Mr. Kreuzer has been involved with the transformation of the Disneyland Resort Area in the City of Anaheim for the last decade in various capacities. He was involved with the initial planning efforts which established the vision for the 800 acre Resort Area including significant outreach activities with local residents and business owners. From there, Mr. Kreuzer managed the Preliminary and Final Design efforts for the construction of the two main backbone arterial streets in the Resort District, namely Katella Avenue and Harbor Boulevard. These projects included significant streetscape and landscape enhancements to make the Resort Area a more attractive destination.

Katella Avenue Smart Street Phases 1 & 2: Project Manager of an alignment study and final design for the widening of three miles of Katella Avenue along the Disneyland and Anaheim Convention Center frontages. This included widening of four major intersections. Total construction value of Phases 1 and 2 was approximately \$35 million. The project included the design of street, storm drain, sewer, water, landscape, streetscape and traffic signal improvements. In addition right of way acquisition documents in the form of legal descriptions and plans were prepared by KCG staff for approximately 120 partial takes of existing parcels. This project also included coordination

with Caltrans with regard to I-5 improvements at the east end of the project.

Brookhurst Street Widening: KCG recently completed preliminary and final design services for the widening of Brookhurst Street between Katella Avenue and Ball Road in the City of Anaheim. This project will include roadway, drainage, utility, landscaping, and traffic signal improvements.

Platinum Triangle Backbone Infrastructure Implementation Plan: The Platinum Triangle is located in the City of Anaheim at the confluence of the I-5 and SR-57 freeways. The Platinum Triangle is approximately 820 acres in size. It is traversed by a major intercity/commuter railroad line and encompasses Angel Stadium of Anaheim, as well as the Arrowhead Pond of Anaheim.

The Platinum Triangle project will be a mixed-use development with a dynamic mix of uses including upscale, high density urban housing integrated by a carefully planned network of pedestrian walkways, streetscape improvements and recreation spaces.

For this project, Mr. Kreuzer managed the completion of the *Platinum Triangle Implementation Plan for Backbone Public Works Facilities*. This plan served to define the:

- required arterial roadway, streetscape and landscape improvements
- required sewer system improvements
- required storm drain system improvements
- required water system improvements
- required electrical system improvements
- right of way acquisition required to construct all backbone infrastructure improvements
- breakdown of project segments for implementation
- cost estimates for all project segments
- schedule for implementation of the program
- cash flow estimate for the implementation of the program

This plan is currently being used as the basis for establishment of a \$200 million Community Facilities District (CFD) to finance all required backbone infrastructure improvements needed to support development in the Platinum Triangle project area.

Katella Avenue Widening: Final PS&E for the first arterial improvement project in the Platinum Triangle project area. This project consists of widening of Katella Avenue between Lewis Street and State College Boulevard to accommodate 4 lanes of traffic in each direction. New parkway and median landscaping will be constructed along with upgraded streetscape furnishings consisting of light poles, bus shelters, and traffic signs.

Brookhurst Street Widening: Final PS&E for the widening of Brookhurst Street from I-5 to SR-91 in the City of Anaheim. This project includes widening the existing 4 lane roadway to 6 lanes as well as the construction of a new 54 inch mainline storm drain and extensive landscaping in the medians and parkways.

Imperial Highway Smart Street: Completed Project Report, Alignment Study and Implementation Plan for the widening of Imperial Highway from the Los Angeles County line to Rose Drive, a distance of 8.5 miles.

Arizona Avenue Streetscape Improvements: Planning and design for the downtown revitalization of Arizona Avenue in Chandler, Arizona.

Southern Avenue Phase 2 Streetscape Improvements, Mesa, Arizona: Mr. Kreuzer is the Project Manager for the final design of the 2nd phase of the Southern Avenue Improvements in the Fiesta District from Sycamore to the west City limit at the Tempe Canal. This project is a natural extension of the Phase 1 improvements that were recently constructed. This project includes street narrowing, landscape and streetscape improvements, drainage, lighting and traffic signal improvements. The project will also require the preparation of right of way acquisition documents and coordination with the City's real estate staff as well as the public and other stakeholders.



KREUZER CONSULTING GROUP

David Jarvi, PE



Mr. Jarvi has over 23 years of experience in General Civil and Transportation Engineering. He specializes in local roadway planning and design projects with experience in design engineering with a focus on civil and transportation projects. His extensive knowledge of roadway layout, reconstruction, and rehabilitation are evident by a growing list of local agencies that seek his street improvement involvement (Los Alamitos, Cypress, Anaheim, Stanton, Long Beach, Downey, Costa Mesa, Industry, Yorba Linda, Newport Beach, Orange, Dana Point, Irvine, Mission Viejo, San Clemente, Lake Forest, San Juan Capistrano, and Laguna Niguel). Mr. Jarvi has been responsible for the preparation of street plans, cross sections and details for a wide range of roadways from single intersections to miles of large arterial highways.

EDUCATION:

*B.S., Civil Engineering,
California State University,
Chico*

SOFTWARE SKILLS:

*AutoTURN, Microsoft Excel,
Bentley Inroads, Microstation,
Autodesk Civil 3D*

REGISTRATION:

*Professional Engineer,
California, No. 66792*

PROJECT EXPERIENCE:

City of Huntington Beach Projects: Mr. Jarvi has served or is currently serving as the Project Engineer for the following Downey Projects:

- On-Call Services
- Humbolt Bridge Civil Design
- Survey Monumentation Phase 1
- Survey Monumentation Phase 2
- Blufftop Park Bike/Pedestrian Trail
- Pacific Coast Highway Relinquishment Study
- Pacific Coast Highway Opportunity Plan

Atlantic Avenue / Pacific Coast Highway Intersection Improvements, City of Long Beach, Long Beach, CA – Project Engineer for the rehabilitation of over two

miles of Atlantic Avenue in the City of Long Beach. Tetra Tech prepared the preliminary and final PS&E for roadway rehabilitation, right turn pocket widening, storm drain inlet upgrades and pipe reconstruction, utility relocations, traffic signal, traffic control, and parking lot improvements at the Atlantic Avenue and Pacific Coast Highway intersection in the City of Long Beach. Since the widening portion of the project impacted the adjacent high school parking lot, our Team effectively coordinated with the school district to complete the required work within the schedule. In addition, our work included obtaining an encroachment permit from Caltrans for construction within the state highway system.

Lakewood Boulevard Improvements Phase 3A, City of Downey, Downey, CA – Project Engineer for the design of streetscape and roadway improvements on Lakewood Boulevard in the City of Downey. Tetra Tech prepared preliminary and final plans for streetscape and engineering improvements for the 4,000 foot segment of Lakewood Boulevard from 5th Street to Florence Avenue in the City of Downey. The project included additional through lanes, extensive median and parkway improvements, decorative lighting, street furniture and both potable and recycled water improvements. Great care was taken to minimize impacts to private development and to provide a seamless transition between old and new areas. The project created an aesthetically pleasing corridor, while decreasing construction cost savings of over \$500,000 through the use of recycled pavement.

La Palma Avenue / Kraemer Boulevard Intersection, City of Anaheim, Anaheim, CA – Project Engineer for the \$2.4 million widening of La Palma and Kraemer Intersection for the City of Anaheim Orange County, including right-of-way engineering and utility coordination. Tetra Tech prepared plans, specifications and cost estimates for the widening of this key arterial intersection in the City of Anaheim. The project involved the development of a Precise Alignment Plan, Landscape Concept Plan, and legal descriptions for 8 parcels. The project included the design of a

raised, landscaped median, parkway landscaping in both the City area as well as a large slope in Caltrans right-of-way, and significant redesign of private property improvements impacted by the roadway widening. The approval process included obtaining an easement and encroachment permit from the County of Orange as well as an encroachment permit from Caltrans. Other elements of the project included the design of a traffic signal, traffic control, a MSE retaining wall, and utility improvements.

Firestone Boulevard Rehabilitation Old River School Road to Lakewood Boulevard, City of Downey, Downey, CA – Project Engineer for the construction of sidewalk and pavement rehabilitation of an over one mile reach of Old River School Road in the City of Downey. The project includes pavement reconstruction and rehabilitation, reconstruction of curb ramps per current ADA criteria, and signing and striping.

Chapman Avenue Widening, City of Orange, Orange CA – Project Engineer for the alignment study for a one mile segment of Chapman Avenue. Responsibilities include the development of base plans and cross sections for the purpose of alignment analysis and the completion of a summary report outlining roadway widening costs and right-of-way impacts for various alignment alternatives. Tetra Tech completed alignment plans and is designing final PS&E for a 1 mile widening of Main Street from Palmyra Avenue to Chapman Avenue. This project included design of roadway, water line, drainage, utility, landscape, and lighting improvements. Project also included traffic control plans, signing and striping plans and traffic signal modification plans. Parking lot modifications were also involved on the project.

Katella Avenue Smart Street Improvements, Orange County, CA – Project Engineer for sections of the Katella Avenue Smart Street running through the cities of Los Alamitos, Cypress, Anaheim and Stanton. Responsibilities included the preparation of street plans, cross sections, utility coordination, water vault design and the preparation of legal plats and descriptions.

Bus Stop Improvement Projects, City of Santa Clarita, Santa Clarita, CA- Project Engineer for the improvement of 23 selected bus stop locations throughout the City of Santa Clarita. The design of each bus stop addressed the safety and accessibility needs of the rider, passenger with disabilities, driver, pedestrians, cyclists, motoring public, and people living and working near the stops. Each site specific bus stop safety improvements included the sidewalk access, concrete pads, shelter and amenities, adequate right-of-way, grading/separating walls, signage, bus approach zones, future needs, and existing site constraints including utility features and covers. Mr. Jarvi also provided utility research, data collection, conceptual design report, and final plan, specifications and estimate. The project met all federal guidelines and requirements, City procedures and guidelines, and Transit Agency regulations.

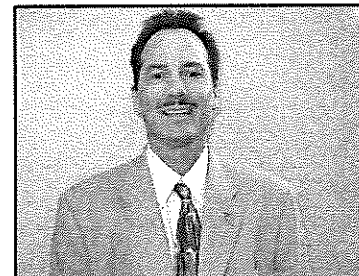
Orangethorpe Avenue Widening, City of Buena Park, Buena Park, CA- Project Engineer for the widening of the south side of Orangethorpe Avenue from Stanton Avenue to Thomas Street. Topographic survey of 50-foot cross sections were completed and site investigation and research of the crown elevation and gutter lip elevations were provided. Additional detail collected at each location where new ADA curb ramps, and cross gutters were constructed.



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CHRISTOPHER BECKER, QSD/QSP

Mr. Becker has 31 years of outstanding success in delivering complicated public and private construction, infrastructure, real estate and transportation projects from inception to completion. His background includes all phases of project coordination including feasibility, technical writing, conceptual planning, environmental clearance, final design, entitlement processing, obtaining agency approvals and construction management.



Over the last 15 years, he has specialized in comprehensive storm water compliance services for design and construction clients. As a State Certified QSD/QSP; Certified Professional in Erosion and Sediment Control; Certified Erosion, Sediment and Stormwater Inspector, he has provided the following services:

- Prepare bid estimates and develop proposals and marketing materials.
- Prepare Water Pollution Control Programs/SWPPPs
- Water Quality Management Plans
- Storm Water Data Reports
- Provide Qualified SWPPP Practitioner inspection services
- Design Water Pollution Control Drawings
- Establish cost effective Best Management Practices
- Perform QSP services for approximately 20 projects per quarter including being the Water Pollution Control Manager of record for several Caltrans projects

Recent project experience includes:

- WQMP for Williams Street Roadway and Storm Drain Improvements in Tustin.
- WQMP for Valencia Avenue Street Improvements in the City of Brea.
- WQMP for Imperial Highway Greenbelt Improvements in the City of Brea.
- WQMP for the Anaheim Convention Center Grand Plaza in the City of Anaheim.
- WQMP and SWDR for SR-1/Old Newport Boulevard Intersection Improvements in the City of Newport Beach.
- WQMP and SWDR for SR-1/Broadway Road Intersection Improvements in the City of Laguna Beach.
- Numerous SWPPP's for various construction contractors in Southern California.

EDUCATION:

B.S. in Urban Planning California State Polytechnic University, Pomona

AFFILIATION:

*Construction Management Association of America
Project Management Institute*

REGISTRATION:

Qualified SWPPP Developer and Practitioner (QSD/QSP) #24331

Certified Professional in Erosion and Sediment Control #7408

*Certified Erosion, Sediment and Stormwater Inspector #3080
OSHA 10 and 30 Safety Certified*



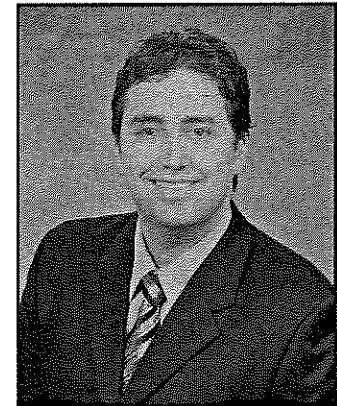
KREUZER CONSULTING GROUP

ERIC W METZ, PLS

Mr. Metz has over 23 years of professional experience in land surveying and engineering work for government organizations, public agencies, and the private sector. His experience includes preparation of Records of Surveys, Tract Maps, topographic surveying, boundary surveys, aerial control, GPS control surveys, right-of-way mapping, ALTA surveying, and construction staking. Mr. Metz also has extensive knowledge in AutoCAD Civil 3D, Revit and Navisworks BIM software.

Project Experience:

- **Orangethorpe Ave Widening Phase 1 & 2, City of Buena Park, Buena Park, CA**
Project Surveyor responsible for topographic survey, right-of-way survey, property research, legal descriptions and plats for right of way acquisitions and temporary construction easements required by the city. In addition, provided construction staking support for the project.
- **Bus Stop Improvement Projects, City of Santa Clarita, Santa Clarita, CA**
Project Surveyor responsible for topographic survey, survey control plans, utility research, legal descriptions and plats for right-of-way acquisitions and temporary construction easements to meet city requirements.
- **Lakewood Stormwater and Runoff Capture Project, City of Lakewood, Lakewood, CA**
Project Surveyor responsible for topographic survey and cross sections of the flood control channels. Legal descriptions and plats were prepared for proposed city storm drain easements across county land.
- **Waste Management (Southern California Sites)**
Project Surveyor responsible for topographic survey, right-of-way survey, property research and construction staking support for eight sites across Southern California.
- **USPS Redevelopment, Pacific Industrial, Long Beach, CA**
Project Surveyor responsible for topographic survey, right-of-way survey, property research and ALTA survey of the United States Postal Service 10 acre sorting facility.
- **Limekiln Creek Restoration Project, City of Los Angeles Bureau of Engineering, Los Angeles, CA**
Project Surveyor responsible for topographic survey, cross-sections of the flood channels and site utility research.
- **Houghton Park Community Center, City of Long Beach, Long Beach, CA**
Project Surveyor responsible for topographic survey, cross-sections and profile survey, preparation of horizontal control plans, and preparation of existing conditions base map.
- **Los Angeles Bureau of Sanitation Monitoring Station, Gardena, CA**
Project Surveyor responsible for utility research and topographic survey of the Dominguez Channel from right-of-way to right-of-way for approximately 1,000 feet at the West 135th Street bridge.
- **Riverside Drive near Zoo Drive Bridge over Los Angeles River, Bridge No. 53C-1298, City of Los Angeles, Los Angeles, CA**
Project Surveyor responsible for topographic survey to support the bridge widening and retrofit. Ongoing construction staking support.
- **El Paseo Drive Pedestrian Overcrossing Replacement, City of Santa Clarita, Santa Clarita, CA**
Project Surveyor responsible for topographic survey, survey control plans and construction staking support.
- **Surveying and Mapping at Marine Corps Recruit Depot (MCRD) NAVFAC SW, San Diego, CA**
Project Surveyor responsible for topographic cross section survey of all roadways within the MCRD base boundary as well as project aerial control.



Education:

Santiago Canyon College,
Survey/Mapping Sciences

Registrations/Certifications:

Professional Land Surveyor,
California No. 9198

Trimble Business Center,
Project Specialist

OPUS,
Projects Manager's Training

Professional Affiliations:

California Land Surveyors
Association

Orange County Land Surveyors
Association

Society of American Military
Engineers

Registration:

1995, Civil Engineer, CA, 54529

2001, Civil Engineer, AZ, 36034

Years of Experience: 33

Associate Bridge Engineer, Caltrans
1992-1996

Senior Associate, RBF Consulting
(now Michael Baker, Int'l)
1996-2006

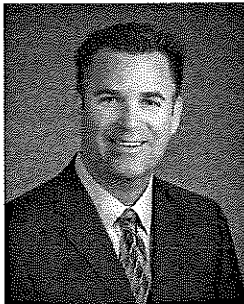
Founder, President and Principal
Engineer of Rende Consulting Group,
Inc. since 2006

Education:

B.S., 1991, Civil Engineering,
University of California, Berkeley

1994 Graduate of the Caltrans
Bridge Design Academy,
Sacramento, CA

1995 Graduate of the Caltrans
Resident Engineer's Academy,
Santa Ana, CA



Qualifications and Experience:

Mr. Rende has 33 years of experience in all phases of project development for major highway and public works structures projects. As a consultant to both public and private-sector clients, Mr. Rende has provided project management, preliminary and final engineering design, plan-preparation, specification writing, agency permit processing, plan-checking, and construction engineering in a wide variety of projects.

In 2006, Mr. Rende founded Rende Consulting Group (RCG) and serves as RCG's President and Principal Engineer.

The following is a list of some of the types of structures for which Mr. Rende has been directly involved in the preliminary and/or final structures design:

Highway & Railway Bridges (more than 100)

- Cast-in-Place Prestressed Concrete Box Girder
- Pre-Cast Concrete I-Girder / Box Girder / Slab
- Widening, Seismic Retrofits, Staged Replacements
- >20 Structure Type Selection Approvals by Caltrans
- >80 Bridges over Major Regional Drainage Facilities and Environmentally-Sensitive Habitat Areas

Non-Standard Retaining Walls

- Cast-in-Place Concrete Cantilever Retaining Walls
- Tieback Retaining Walls
- Soldier Pile Retaining Walls
- Sheet Pile Retaining Walls
- Mechanically-Stabilized Embankment (MSE) Walls

Pedestrian Bridges

- Cast-in-Place Prestressed Concrete Box Girder
- Pre-Fabricated Steel Through-Truss
- Rolled Wide-Flange Beam Deck-Girder

Flood Control / Water Quality Structures

- Open-Channels / Transitions / Drop Structures
- Single and Multi-Cell RCB Culverts
- Detention Basin Intake Towers / Outlet Structures
- Non-Standard Junction Structures
- Stormwater Pump Stations

Wildlife Undercrossings / Tunnels

Mr. Rende was among the first in the consultant community to implement Caltrans' Seismic Design Criteria (S.D.C.) and has obtained Caltrans Type Selection and PS&E approvals of numerous major highway bridge projects on California's Highway System. Mr. Rende also has extensive experience in bridge construction engineering and inspection gained while working at Caltrans Division of Structures from 1992 to 1996. Additional construction experience includes work for the County of Orange Department of Public Works (Construction Division) as an Engineering Assistant from 1987 to 1991 while attending college. The following is a listing of some of Mr. Rende's project experience:

Recent Projects:

Ethanac Road Bridge over the San Jacinto River (Riverside County, CA) 2024 – Principal Engineer preparing the final structural design calculations and PS&E for a new 450-foot long 3-span cast-in-place pre-stressed concrete box girder structure. All structural calculations were performed in accordance with the AASHTO LRFD Bridge Design Specifications with Caltrans Amendments.

Limonite Avenue Bridge over Cucamonga Creek Channel (Eastvale, CA) 2023 – Principal Engineer preparing the final structural design calculations and PS&E for a new 320-foot long 3-span precast prestressed concrete "Wide-Flange" girder bridge. All structural calculations were performed in accordance with the AASHTO LRFD Bridge Design Specifications with Caltrans Amendments.

Pierson Boulevard Bridge over Mission Creek (Riverside County, CA) 2023 – Principal Engineer developing the structural concept and preparing the final structural design and PS&E for the repair of this existing 220-foot long 3-span reinforced concrete T-girder structure which was damaged during a major debris flow and boulder impact resulting from a severe tropical storm in August 2023.

Bridge Maintenance & Rehabilitation Design of City of Irvine Bridges (Irvine, CA) 2023 – Principal Engineer providing the structural design and preparation of the PS&E for bridge maintenance and rehabilitation of 6 City-owned large arterial highway vehicular bridges carrying heavy traffic volumes. Five of these bridges span environmentally-sensitive creeks operated by the Orange County Flood Control District, and one of them spans the Metrolink Railroad.

Sterling Avenue Bridge over City Creek (San Bernardino, CA) 2023 – Principal Engineer preparing the structure type selection, final structural design calculations and PS&E for a new 68'-long single-span pre-cast prestressed concrete box girder bridge. All structural calculations were performed in accordance with the AASHTO LRFD Bridge Design Specifications with Caltrans Amendments.

Inspection of City of Irvine Bridges (Irvine, CA) 2022 – Principal Engineer providing the inspection of 46 City-owned bridges, including preparation of a Bridge Inspection report in accordance with the criteria set forth in the Bridge Inspector's Reference Manual (BIRM) published by the National Highway Institute and Caltrans' Element Level Inspection Manual (ELIM). The bridges inspected included a wide variety of structure types: cast-in-place prestressed concrete box girders, single and multi-cell reinforced concrete box culverts and pedestrian underpasses, multi-span reinforced concrete slab bridges, metal multi-plate arch culverts and pedestrian underpasses, and various steel truss pedestrian bridges.

MICHAEL A. GREEN ASLA

Senior Principal

EDUCATION

Master of Landscape Architecture,
California State Polytechnic University,
Pomona, 1981

REGISTRATIONS

Landscape Architect, CA #2311
Landscape Architect, AZ #19864
Landscape Architect, CO #508
Landscape Architect, FL #6666965
Landscape Architect, GA #1535
Landscape Architect, HI #15118
Landscape Architect, ID #16574
Landscape Architect, NV #857
Landscape Architect, OK #0336
Landscape Architect, OR #456
Landscape Architect, TX #02138
Landscape Architect, UT #99-368388-5301
Landscape Architect, WA #1801

AFFILIATIONS

American Society of Landscape Architects

BIOGRAPHY

As Principal of Clark & Green Associates with over 30 years of experience, Michael Green oversees project management and design for the firm.

Mr. Green graduated from California State Polytechnic University, Pomona in 1982 with a master's degree in landscape architecture and formed Clark & Green Associates in 1987.

During his career, Mr. Green has worked with the City of Westminster Planning Department and the Port Authority for the City of Long Beach in Environmental Impact Research Preparation and Risk Management Assessment. He also is an ASLA award winner.

Mr. Green has specialized in community residential projects and streetscapes with an emphasis on water management, conservation and sustainable landscape design.

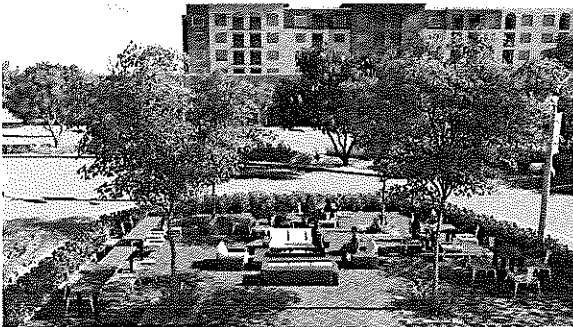
ANALOGOUS PROJECTS

Disney Resort/Platinum Triangle
Streetscapes, Anaheim

Brookhurst Avenue, Greenbelt/Streetscape
Improvements, Anaheim

Jeffrey/Alton and University/Ridgeline
Streetscape Improvements, Irvine, CA

Old Town Revitalization, Tustin



Alfresco dining and seating, Glendora Avenue,
West Covina

CURRICULUM VITAE

Joseph L. Welch, R.C.E., G.E.

1590 North Brian Street
Orange, CA 92867-3406

Phone: 714-637-3093
joe@harringtongeotechnical.com

PROFESSIONAL LICENCES

Registered Geotechnical Engineer (CA #2239)
Registered Civil Engineer (CA #040236)

EDUCATION

MASTERS OF SCIENCE, CIVIL ENGINEERING
George Washington University, Washington DC, 1977

BACHELOR OF SCIENCE, CIVIL ENGINEERING
U.S. Military Academy, West Point, NY, 1966

CAREER OVERVIEW

Mr. Welch is an expert in the field of geotechnical engineering. His 38-year career in civil and geotechnical engineering together with his advanced education has led him to senior responsibilities for large scale construction projects. His duties include acting as the City of Yorba Linda's geotechnical expert responsible for review of geotechnical engineering reports submitted to the City. Mr. Welch is the acting Laboratory Manager for HGEI's AMRL Accredited Geotechnical Engineering Laboratory.

He has overseen large civil engineering projects acting as the geotechnical engineer of record; responsible for project management and geotechnical engineering from the preliminary investigation through review of the civil engineering plan to earthwork design and construction; coordinating with clients, municipalities, review agencies, and contractors; responsible charge of field investigations and laboratory testing programs; in addition to preparation of analysis and technical reports.

His technical skills include Seismic Hazard Evaluation, Hydrology, Settlement Analysis, Pavement Design, Foundation Design, Slope-Stability Analysis, Liquefaction Analysis, and Grading Review.

EXHIBIT "B"

Payment Schedule (Hourly Payment)

A. Hourly Rate

CONSULTANT'S fees for such services shall be based upon the following hourly rate and cost schedule:

SEE ATTACHED EXHIBIT B

B. Travel Charges for time during travel are not reimbursable.

C. Billing

1. All billing shall be done monthly in fifteen (15) minute increments and matched to an appropriate breakdown of the time that was taken to perform that work and who performed it.
2. Each month's bill should include a total to date. That total should provide, at a glance, the total fees and costs incurred to date for the project.
3. A copy of memoranda, letters, reports, calculations and other documentation prepared by CONSULTANT may be required to be submitted to CITY to demonstrate progress toward completion of tasks. In the event CITY rejects or has comments on any such product, CITY shall identify specific requirements for satisfactory completion.
4. CONSULTANT shall submit to CITY an invoice for each monthly payment due. Such invoice shall:
 - A) Reference this Agreement;
 - B) Describe the services performed;
 - C) Show the total amount of the payment due;
 - D) Include a certification by a principal member of CONSULTANT's firm that the work has been performed in accordance with the provisions of this Agreement; and
 - E) For all payments include an estimate of the percentage of work completed.

Upon submission of any such invoice, if CITY is satisfied that CONSULTANT is making satisfactory progress toward completion of tasks in accordance with this Agreement, CITY shall approve the invoice, in which event payment shall be made within thirty (30) days of receipt of the invoice by CITY. Such approval shall not be unreasonably withheld. If CITY does not approve an invoice, CITY shall notify CONSULTANT in writing of the reasons for non-approval and the schedule of performance set forth in **Exhibit "A"** may at the option of CITY be suspended until the parties agree that past performance by CONSULTANT is in, or has been brought into compliance, or until this Agreement has expired or is terminated as provided herein.

5. Any billings for extra work or additional services authorized in advance and in writing by CITY shall be invoiced separately to CITY. Such invoice shall contain all of the information required above, and in addition shall list the hours expended and hourly rate charged for such time. Such invoices shall be approved by CITY if the work performed is in accordance with the extra work or additional services requested, and if CITY is satisfied that the statement of hours worked and costs incurred is accurate. Such approval shall not be unreasonably withheld. Any dispute between the parties concerning payment of such an invoice shall be treated as separate and apart from the ongoing performance of the remainder of this Agreement.

EXHIBIT "B"

FEE PROPOSAL



KREUZER CONSULTING GROUP

Office Personnel:

Typists, Word Processors	\$50
Technician	\$75
Design Engineer / CADD	\$125
Project Engineer	\$150
Principal / Project Manager	\$220

Support & Miscellaneous Costs:

Copies – Black & White	\$0.10/pg.
Copies – Color	\$0.50/pg.
Plotting – Black & White	\$2.00/ft ²
Plotting – Color	\$4.00/ft ²
Two-Man Survey Party, including Truck and Equipment	\$215

RENDE CONSULTING GROUP

Principal Engineer	\$200
Senior Engineer	\$180
Project Engineer	\$160
CADD Technician	\$150
Vehicle Mileage	\$\$0.60/mile



Harrington
Geotechnical
Engineering, Inc. _____

Principal	\$230	Principal Engineer / Geologist	\$207
Project Director/Senior Associate	\$170	Senior Engineer / Geologist	\$161
Senior Project Manager	\$135	Supervisor	\$103
Project Manager	\$110	Geotechnical Aide	\$97
Design Draftsperson	\$95	Senior Technician (Soil, Concrete, Asphalt Concrete)	\$102
Draftsperson	\$80	Technician (Soil, Concrete, Asphalt Concrete)	\$97
Senior Clerical	\$70	Special Inspector (Grading)	\$121
Clerical	\$50	Special Inspector (Building Construction)	\$97
		Draftsperson	\$79
		Administrative Assistant	\$92